

## CHAPTER IX

### MEMBERSHIP

#### LIST OF ADHERING ORGANIZATIONS

(Countries in italics are *Associate Members*, as opposed to Full Members)

☎: Telephone - ☎: Fax

<b>Year of Adherence</b>		<b>Members</b>
1988	<b>Algeria</b> CRAAG BP 63 Bouzareah Alger ☎: 213 2 79 14 43/79 16 06 ☎: 213 2 79 14 43	3
1927	<b>Argentina</b> CONICET Rivadavia 1917 1033 Buenos Aires ☎: 54 1 953 72 30/72 34 ☎: 54 1 953 43 45	90
1935/1994	<b>Armenia</b> President, Armenian National Academy of Sciences Marshal Baghramian av. 24 375019 Yerevan ☎: 3742 52 70 31 ☎: 3742 50 06 867	31
1939	<b>Australia</b> Australian Academy of Sciences Ian Potter House Gordon St G.P.O. Box 783 Canberra ACT 2601 ☎: 61 6 247 57 77 ☎: 61 6 257 46 20	191

- 1955 **Austria** 31  
 Die österreichische Akademie  
 der Wissenschaften  
 Dr-Ignaz-Seipel-Platz 2  
 A 1010 Wien  
 ☎: 43 1 52 15 86  
 ☎: 43 1 52 15 85 35
- 1935/1993 **Azerbaijan** 8  
 Azerbaijan Academy of Sciences  
 10 Kommunisticheskaja St  
 Baku 37061  
 ☎: 994 12 92 35 29  
 ☎: 994 12 92 56 99
- 1920 **Belgium** 88  
 Chef du service "Activités Internationales"  
 Affaires scientifiques, techniques et culturelles  
 8, rue de la Science  
 B 1000 Brussels  
 ☎: 32 2 238 34 11  
 ☎: 32 2 230 59 12
- 1998 **Bolivia** -  
 Academia Nacional de Ciencias de Bolivia  
 Av. 16 de Julio No. 1732  
 La Paz  
 ☎: 591 2 86 89 90  
 ☎: 591 2 37 96 81
- 1961 **Brazil** 109  
 CNPq  
 Av W3 Norte Quadra 507 B  
 Caixa Postal 11-1142  
 70740 Brasilia DF  
 ☎: 55 61 274 11 55  
 ☎: 55 61 274 19 50
- 1957 **Bulgaria** 50  
 Bulgarian Science Academy  
 15 Noemvri Street 1  
 BG 1040 Sofia  
 ☎: 359 2 87 7087  
 ☎: 359 2 80 30 23
- 1957 **Canada** 201  
 NRC, International Affairs  
 Montreal Road  
 Ottawa ON K1A OR6  
 ☎: 1 613 990 60 91  
 ☎: 1 613 952 99 07

	<b>MEMBERSHIP</b>	301
1947	<b>Chile</b> Chilean Academy of Science CONICYT Casilla 297 V Santiago de Chile ☎: 56 2 74 45 37 ☎: 56 2 49 67 29	45
1935	<b>China Beijing</b> Chinese Astronomical Society Purple Mountian Academia Cinica Nanjing 210008 ☎: 86 25 63 75 51 ☎: 86 25 30 27 28	369
1959	<b>China Taipei</b> Academica Sinica Taiwan Taipei 11529 ☎: 886 2 782 42 04 ☎: 886 2 785 38 52	23
1935/1994	<b>Croatia</b> CASA Hrvatsko Astronomsko Drustvo Kaciceva 26 41000 Zagreb Hrvatska ☎: 38 41 442 600 ☎: 38 41 445 410	13
1922/1993	<b>Czech Rep</b> Academy of Sciences of the Czech Republic Narodni tr 3 111 42 Praha 1 ☎: 42 2 242 40 531 ☎: 42 2 243 40 513	71
1922	<b>Denmark</b> Kongelige Danske Videnskabernes Selskab H.C. Andersen Blvd 35 DK 1553 Copenhagen V ☎: 45 33 11 32 40 ☎: 45 33 91 07 36	50
1925	<b>Egypt</b> ASRT 101 Kasr El-Einy Street Cairo ☎: 20 2 354 83 63 ☎: 20 2 356 28 20	39
1935/1992	<b>Estonia</b> Tartu Observatory Toeravere EE 2444 Tartumaa ☎: 372 7 410 265 ☎: 372 7 41 02 05	22

- 1948 **Finland** 37  
 Secretary General  
 Deleg Finnish Acad Sci/Letters  
 Mariankatu 5  
 SF 00170 Helsinki  
 ☎: 358 9 63 30 05  
 ☎: 358 9 66 10 65  
 📠:
- 1920 **France** 608  
 Academie des Sciences  
 COFUSI  
 23, quai Conti  
 F 75006 Paris  
 ☎: 33 1 44 41 43 99  
 ☎: 33 1 44 41 44 04  
 📠:
- 1935/1994 **Georgia** 19  
 Georgian Academy of Sciences  
 52 Rustaveli Avenue  
 Tbilisi 380060  
 ☎: 995 32 37 52 26  
 ☎: 995 32 98 70 00  
 📠:
- 1951 **Germany** 490  
 Deutsche Forschungsgemeinschaft  
 Kennedyallee 40  
 D 53170 Bonn  
 ☎: 49 228 665 23 46  
 ☎: 49 228 885 2550
- 1920 **Greece** 89  
 Dpt Ministry of Development  
 International Organisations  
 General Secretariat for Research and Technology  
 14-18 Athens P.O. Box 14631  
 GR 10679 Athens  
 ☎: 30 1 360 0207/362 67 17  
 ☎: 30 1 363 48 06
- 1947 **Hungary** 41  
 Hungarian Academy of Sciences  
 Nador Street 7  
 H 1051 Budapest  
 ☎: 36 1 117 25 75  
 ☎: 36 1 117 25 75/62 15
- 1988 **Iceland** 4  
 Icelandic Ministry of Education  
 c/o The Icelandic Astronomical Society  
 Raunvisindastofnunin, Dunhaga 3  
 IS 107 Reykjavik  
 ☎: 354 525 48 09  
 ☎: 354 552 88 01/89 11

## MEMBERSHIP

303

- 1964 **India** 226  
 Indian National Science Academy  
 Bahadur Shah Zafar Marg  
 New Delhi 110 002  
 ☎: 91 11 323 20 66/323 20 75/323 10 38  
 ☎: 91 11 323 56 48
- 1979 **Indonesia** 12  
 Indonesian Institute of Sciences (LIPI)  
 Gedung Widya Graha  
 Jl. Jenderal Gatot Subroto 10  
 Jakarta 12710  
 ☎: 62 21 525 57 11/525 15 42  
 ☎: 62 21 520 72 26
- 1969 **Iran** 15  
 University of Tehran  
 Office of International Relations  
 Enghlab Ave  
 Tehran  
 ☎: 98 21 646 98 07  
 ☎: 98 21 640 93 48
- 1947 **Ireland** 33  
 The Royal Irish Academy  
 19 Dawson Street  
 Dublin 2  
 ☎: 353 1 676 25 70/42 22  
 ☎: 353 1 676 23 46
- 1954 **Israel** 44  
 Israel Academy of Sciences and Humanities  
 43 Jabotinsky Street  
 P.O. Box 4040  
 91040 Jerusalem  
 ☎: 972 2 63 62 11/62 14  
 ☎: 972 2 66 60 59
- 1920 **Italy** 408  
 Consiglio Nazionale delle Ricerche  
 Servizio Relazioni Internazionali  
 Piazzale Aldo Moro 7  
 I 00100 Roma  
 ☎: 39 6 4993 33 49  
 ☎: 39 6 446 98 33
- 1920 **Japan** 446  
 Official Science Information and International Affairs Division  
 Science Council of Japan  
 22-34, Roppongi 7 chome  
 Tokyo 106  
 ☎: 81 3 3403 62 91  
 ☎: 81 3 3403 19 82

- 1973 **Korea Rep** 51  
 Korean Astronomical Society  
 Dpt of Astron Coll Ntl Science  
 Seoul National University  
 Seoul 151 742  
 ☎: 82 2 880 6621  
 ☎: 82 2 887 1435
- 1996 **Latvia** 8  
 Latvian Academy of Sciences  
 Turgeneva iela 19  
 Riga LV 1524  
 ☎: 371 2 22 15 24  
 ☎: 371 2 2 22 87 84/371 782 11 53
- 1935/1993 **Lithuania** 11  
 Lithuanian Academy of Sciences  
 MTP-1  
 Gedimino Prospekt 3  
 232600 Vilnius  
 ☎: 370 61 40 41  
 ☎: 370 61 84 64
- 1988 **Malaysia** 6  
 Space Science Studies Division  
 Ministry of Science, Technology and Environment, Planetarium Negara  
 Lot 53 Jalan Perdana  
 50480 Kuala Lumpur  
 ☎: 60 03 273 54 84/5/6  
 ☎: 60 03 273 54 88
- 1921 **Mexico** 82  
 Instituto de Astronomia  
 Universidad Nacional Autonoma de Mexico  
 Apdo Postal 70 264 Cd. Universitaria  
 Mexico 04510 DF  
 ☎: 525 616 2601/2726/1412  
 ☎: 525 616 0653
- 1922 **Netherlands** 165  
 Koninklijke Nederlandse Akademie  
 van Wetenschappen  
 Kloveniersburgwal 29 Box 19121  
 NL 1000 GC Amsterdam  
 ☎: 31 20 551 07 00  
 ☎: 31 20 620 49 41
- 1964 **New Zealand** 27  
 Royal Society of New Zealand  
 P.O. Box 598  
 Wellington  
 ☎: 64 4 472 74 21  
 ☎: 64 4 473 18 41

- 1922 **Norway** 21  
 Norske Videnskaps-Akademi  
 Drammensveien 78  
 N 0271 Oslo 2  
 ☎: 47 22 44 42 96  
 ☎: 47 22 56 26 56
- 1988 **Peru** 1  
 CONCYTEC  
 Parque Universitario s/n  
 Apdo Postal 1984  
 Lima 100  
 ☎:  
 ☎: 51 1 22 42947
- 1922 **Poland** 117  
 Polish Academy of Sciences  
 Palac Kultury i Nauki  
 Room 22-03  
 PL 00 901 Warsaw  
 ☎: 48 22 65 62 89  
 ☎: 48 22 65 22 567
- 1924 **Portugal** 17  
 SPUIAGG  
 Inst Portugues de Cartografia e Cadastro  
 Rua da Artilharia 1 No. 107  
 P 1070 Lisboa  
 ☎: 351 1 381 96 00  
 ☎: 351 1 381 96 99
- 1992 **Romania** 36  
 Romanian Academy  
 Astronomical Institute  
 Ul. Cutitul de Argint 5  
 RO 75212 Bucuresti  
 ☎: 40 1 312 33 91  
 ☎: 40 1 312 33 91/52 24
- 1935/1992 **Russian Federation** 341  
 Russian Academy of Sciences  
 Foreign Relations Dpt  
 Leninskij Prospekt 14  
 117071 Moscow  
 ☎: 7 095 237 28 22  
 ☎: 7 095 237 91 07/230 27 41
- 1988 **Saudi Arabia** 10  
 International Cooperation Department  
 KACS  
 Box 6086  
 Riyadh 11442  
 ☎: 966 1 488 35 55/34 44  
 ☎: 966 1 488 37 44

- 1922/1993 **Slovak Rep** 27  
 Scientific Secretary  
 Slovak Academy of Sciences  
 Stefanikova 49  
 81438 Bratislava  
 ☎: 42 7 492 75 19  
 ☎: 42 7 496 849
- 1938 **South Africa** 46  
 South African ICSU Secretariat  
 Foundation for Research Development  
 Box 2600  
 Pretoria 0001  
 ☎: 27 12 481 40 93/40 28/41 10  
 ☎: 27 12 481 40 07
- 1922 **Spain** 205  
 Comision Nacional de Astronomia  
 Instituto Geografico/Cadastral  
 General Ibanez de Ibero 3  
 E 28003 Madrid  
 ☎: 34 91 533 31 21  
 ☎: 34 91 554 67 43
- 1925 **Sweden** 95  
 The Foreign Secretary  
 Royal Swedish Academy of Sciences  
 Box 50005  
 S 10405 Stockholm  
 ☎: 46 8 673 95 00  
 ☎: 46 8 15 56 70
- 1923 **Switzerland** 69  
 Schweizerische Akademie der Naturwissenschaft  
 Baerenplatz 2  
 CH 3011 Bern  
 ☎: 41 31 312 33 75  
 ☎: 41 31 312 32 91
- 1993 **Tadjikistan** 7  
 Tajik Academy of Sciences  
 Prospect Lenine 33  
 Dushanbe 734025  
 ☎: 37 72 22 68 51  
 ☎: 37 72 22 50 17
- 1961 **Turkey** 53  
 Turkish Astronomical Society  
 Science Faculty  
 Department of Astronomy and Space Sciences  
 06100 Tandogan Ankara  
 ☎: 90 312 212 67 20/13 12  
 ☎: 90 312 223 23 95



- 1961 **UK** 535  
 The Royal Society  
 6 Carlton House Terrace  
 London SW1Y 5AG  
 ☎: 44 171 839 55 61  
 ☎: 44 171 980 21 70
- 1935/1993 **Ukraine** 119  
 Science Academy of Ukraine  
 Ulitza Volodimirskaya 54  
 252601 Kiev  
 ☎: 7 44 225 63 66/221 64 44  
 ☎: 7 44 224 32 43
- 1970 **Uruguay** 3  
 CONICYT  
 Avenida 18 de Julio 1082  
 Casilla de Correo 1869 CP 11 100  
 Montevideo  
 ☎: 598 2 91 25 25/26, 90 59 39  
 ☎: 598 2 92 48 70
- 1920 **USA** 2232  
 National Research Council  
 Committee on International Organizations and Programs  
 2101 Constitution Avenue NW  
 Washington DC 20418  
 ☎: 1 202 334 28 07  
 ☎: 1 202 334 22 31
- 1932 **Vatican City State** 5  
 Governatorato Citta del Vaticano  
 V 00120 Citta del Vaticano  
 ☎: 39 6 69 88 31 95/34 51/54 16  
 ☎: 39 6 69 88 52 18
- 1953 **Venezuela** 11  
 CIDA  
 Apartado Postal 264  
 Merida 5101 A  
 ☎: 58 74 79 18 993  
 ☎: 58 74 71 24 59

## COMMISSION MEMBERSHIP

## Composition of Commission 4

## Ephemerides/Ephémérides

**President:** Standish E Myles  
**Vice-President:** Chapront Jean  
**Secretary:** Hohenkerk Catherine  
**Organizing Committee:**

Schwan Heiner  
 Abalakin Victor K  
 Arlot Jean-Eudes  
 Fukushima Toshio

He Miaofu  
 Kaplan George H  
 Kinoshita Hiroshi  
 Krasinsky George A

Lieske Jay H  
 Seidelmann P Kenneth

**Members:**

Aoki Shinko  
 Bandyopadhyay A  
 Bec-Borsenberger Annick  
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 Bhatnagar Ashok Kumar  
 Bretagnon Pierre  
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 Chollet Fernand  
 Coma Juan Carlos  
 Davies Merton E  
 de Castro Angel  
 de Greiff J Arias  
 Deprit Andre  
 Di Xiaohua  
 Dickey Jean O'Brien  
 Duncombe Raynor L  
 Dunham David W  
 Eroshkin Georgiy I  
 Fiala Alan D  
 Fominov Alexandr M  
 Fursenko Margarita A  
 Glebova Nina I

Gondolatsch Friedrich  
 Harper David  
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 King Robert Wilson  
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 Kolaczek Barbara  
 Kubo Yoshio  
 Lara Martin  
 Laskar Jacques  
 Lederle Trudpert  
 Lehmann Marek  
 Li Gi Man  
 Li Hyok Ho  
 Li Neng-Yao  
 Liu Bao-Lin  
 Majid Abdul Bin A H  
 Morrison Leslie V  
 Mueller Ivan I  
 Newhall X X  
 Nguyen Mau Tung  
 O'Handley Douglas A

Oesterwinter Claus  
 Reasenber Robert D  
 Romero Perez M Pilar  
 Rossello Gaspar  
 Salazar Antonio  
 Shapiro Irwin I  
 Shiryayev Alexander A  
 Simon Jean-Louis  
 Sinzi Akira M  
 Sochilina Alla S  
 Soma Mitsuru  
 Thuillot William  
 Ting Yeou-Tswen  
 Tong Fu  
 Van Flandern Tom  
 Wielen Roland  
 Wilkins George A  
 Williams Carol A  
 Williams James G  
 Winkler Gernot M R  
 Wytryszczak Iwona  
 Xian Ding-Zhang  
 Yallop Bernard D  
 Yamazaki Akira  
 Zambrano Alejandro

## Composition of Commission 5

## Documentation and Astronomical Data/Documentation et données astronomiques

**President:** Dluzhnevskaya Olga B

**Vice-President:** Genova Francoise

**Organizing Committee:**

Bessell Michael S  
Boyce Peter B  
Dickel Helene R  
Hauck Bernard  
Hearn Anthony G

Jenkner Helmut  
Murtagh Fionn  
Nakajima Koichi  
Ochsenbein Francois  
Piskunov Anatoly E

Raimond Ernst  
Riegler Guenter R  
Wells Donald C  
Wielen Roland  
Zhao Yongheng

**Members:**

A'Hearn Michael F  
Abalakin Victor K  
Abt Helmut A  
Aizenman Morris L  
Albrecht Miguel A  
Alvarez Pedro  
Andernach Heinz  
Baker Norman H  
Benacchio Leopoldo  
Benn Chris R  
Bouska Jiri  
Chu Yaoquan  
Cogan Bruce C  
Coluzzi Regina  
Creze Michel  
Davis Morris S  
Davis Robert J  
de Boer Klaas Sjoerds  
Dewhirst David W  
Dixon Robert S  
Dubois Pascal  
Ducati Jorge Ricardo  
Duncombe Raynor L  
Egret Daniel  
Garstang Roy H  
Green David  
Griffin Roger F  
Grosbol Preben Johnson  
Guibert Jean  
Guo Hongfeng  
Hanisch Robert J

Harvel Christopher Alvin  
Heck Andre  
Hefele Herbert  
Heinrich Inge  
Heintz Wulff D  
Helou George  
Huang Bi-kun  
Jascek Carlos O R  
Kadla Zdenka I  
Kalberla Peter  
Kaplan George H  
Kharin Arkadiy S  
Kleczeck Josip  
Kuin Nicolaas Paulus M  
Lantos Pierre  
Lederle Trudpert  
Lequeux James  
Lesteven Soizick  
Li Qibin  
Linde Peter  
Liu Jinming  
Lonsdale Carol J  
Lortet Marie-Claire  
Malkov Oleg Yu  
Matz Steven Micheal  
McLean Brian J  
McNally Derek  
Mcnamara Delbert H  
Mead Jaylee Montague  
Meadows A Jack  
Mein Pierre

Mermilliod Jean-Claude  
Mitton Simon  
Nishimura Shiro Emer  
Pamyatnikh Alexsey A  
Pasian Fabio  
Pasinetti Laura E  
Paturel Georges  
Pecker Jean-Claude  
Philip A G Davis  
Pizzichini Graziella  
Polechova Pavla  
Pucillo Mauro  
Quintana Hernan  
Ratnatunga Kavan U  
Remy Battiau Liliane G A  
Renson P F M  
Roessiger Siegfried  
Roman Nancy Grace  
Rots Arnold H  
Russo Guido  
Sarasso Maria  
Schilbach Elena  
Schlesinger Barry M  
Schlueter A  
Schmadel Lutz D  
Schmidt K H  
Schneider Jean  
Serrano Alfonso  
Shakeshaft John R  
Shcherbina-Samojlova I  
Sokolsky Andrej G

Spite Francois M  
Terashita Yoichi  
Teuben Peter J  
Tritton Susan Barbara  
Tsvetkov Milcho K  
Turner Kenneth C

Uesugi Akira  
Wallace Patrick T  
Warren Wayne H  
Wayman Patrick A  
Weidemann Volker  
Wenger Marc

Westerhout Gart  
White Richard Allan  
Wilkins George A  
Worley Charles E  
Wright Alan E  
Wu Zhiren

## Composition of Commission 6

## Astronomical Telegrams/Télégrammes astronomiques

**President:** West Richard M

**Vice-President:** Marsden Brian G

**Organizing Committee:**

Aksnes Kaare

Nakano Makoto

Roemer Elizabeth

**Members:**

Biraud Francois

Isobe Syuzo

Rosino Leonida

Filippenko Alexei V

Liu Jinming

Sharov A S

Gilmore Alan C

Mathieu Robert D

Tholen David J

Green Daniel William E

Nakano Syuichi

West Richard M

Grindlay Jonathan E

Phillips Mark M

Hers Jan

Pounds Kenneth A

## Composition of Commission 7

## Celestial Mechanics and Dynamical Astronomy/Mécanique céleste &amp; astronomie dynamique

**President:** Froeschle Claude  
**Vice-President:** Hadjidemetriou John D  
**Secretary:** Lemaitre Anne  
**Organizing Committee:**

Dvorak Rudolf	Heggie Douglas C	Moons Michele B M M
Ferraz-Mello Sylvio	Knezevic Zoran	Muzzio Juan C
Fukushima Toshio	Lieske Jay H	Soffel Michael
Gerasimov Igor A	Milani Andrea	Sun Yisui

**Members:**

Abad Alberto J	Chapront Jean	Giacaglia Giorgio E
Abalakin Victor K	Chapront-Touze Michelle	Goldreich Peter
Ahmed Mostafa Kamal	Chen Zhen	Gomes Rodney D S
Akim Efraim L	Choi Kyu-Hong	Gonzalez Camacho Antonio
Aksnes Kaare	Cid Palacios Rafael	Goudas Constantine L
Alexander Murray E	Contopoulos George	Grebenikov Evgenij A
Altavista Carlos A	Cook Alan H	Greenberg Richard
Anosova Joanna	Counselman Charles C	Groushinsky Nikolai P
Antonacopoulos Greg	Cui Douxing	Hamid S El Din
Aoki Shinko	Danby J M Anthony	Hanslmeier Arnold
Balmino Georges G	Davis Morris S	He Miaofu
Barberis Bruno	Deprit Andre	Helali Yhya E
Barbosu Mihail	Dikova Smiliana D	Henon Michel C
Batrakov Yuri V	Dormand John Richard	Henrard Jacques
Beauge Christian	Dourneau Gerard	Hori Genichiro
Bec-Borsenberger Annick	Drozyner Andrzej	Huang Cheng
Benest Daniel	Duncombe Raynor L	Huang Tianyi
Bettis Dale G	Duriez Luc	Hut Piet
Beutler Gerhard	Edelman Colette	Ivanova Violeta
Bhatnagar K B	Eichhorn Heinrich K	Izvekov Vladimir A
Bois Eric	El Bakkali Larbi	Janiczek Paul M
Borderies Nicole	Elipe Sanchez Antonio	Jefferys William H
Boss Alan P	Emelianov Nikolaj V	Journet Alain
Bozis George	Erdi B	Jovanovic Bozidar
Branham Richard L	Farinella Paolo	Jupp Alan H
Bretagnon Pierre	Fernandez Silvia M	Kammeyer Peter C
Brieva Eduardo	Ferrer Martinez Sebastian	Kaula William M
Brookes Clive J	Fiala Alan D	Kholshevnikov Konstatin V
Broucke Roger	Floria Luis	King-Hele Desmond G
Brumberg Victor A	Fong Chugang	Kinoshita Hiroshi
Brunini Adrian	Galibina Irini V	Klokocnik Jaroslav
Calame Odile	Galletto Dionigi	Kovalevsky Jean
Caranicolas Nicholas	Gaposchkin Edward M	Kozai Yoshihide
Carpino Mario	Garfinkel Boris	Krasinsky George A
Cefola Paul J	Gaska Stanislaw	Krivov Alexander

Kustaanheimo Paul E  
 Lala Petr  
 Laskar Jacques  
 Lazovic Jovan P  
 Liao Xinhao  
 Lin Douglas N C  
 Lissauer Jack J  
 Lu Benkui  
 Lundquist Charles A  
 Maciejewski Andrzej J  
 Magnaradze Nina G  
 Makhlouf Amar  
 Marchal Christian  
 Markellos Vassilis V  
 Marsden Brian G  
 Martinet Louis  
 Matas Vladimir R  
 Mavraganis A G  
 Meire Raphael  
 Melbourne William G  
 Merman G A  
 Message Philip J  
 Mignard Francois  
 Mikkola Seppo  
 Mioc Vasile  
 Morbidelli Alessandro  
 Mulholland J Derral  
 Musen Peter  
 Myachin Vladimir F  
 Nacozy Paul E  
 Nahon Fernand  
 Nobili Anna M  
 Noskov Boris N  
 Novoselov Victor S  
 O'Handley Douglas A  
 Oesterwinter Claus  
 Ollongren A  
 Omarov Tuken B  
 Orellana Rosa Beatriz  
 Orus Juan J  
 Osorio Isabel Maria T V P  
 Osorio Jose J S P

Pal Arpad  
 Parv Bazil  
 Pauwels Thierry  
 Peale Stanton J  
 Petit Jean-Marc  
 Petrovskaya Margarita S  
 Pierce A Keith  
 Robinson William J  
 Rodriguez-Eillamil R  
 Roy Archie E  
 Ryabov Yu A  
 Sansaturio Maria E  
 Sato Massae  
 Scholl Hans  
 Schubart Joachim  
 Sconzo Pasquale  
 Segan Stevo  
 Sehnal Ladislav  
 Seidelmann P Kenneth  
 Sein-Echaluce M Luisa  
 Sessin Wagner  
 Shapiro Irwin I  
 Sharaf Sh G  
 Sidlichovsky Milos  
 Sima Zdislav  
 Simon Jean-Louis  
 Sinclair Andrew T  
 Siry Joseph W  
 Skripnichenko Vladimir  
 Sokolov Viktor G  
 Sokolsky Andrej G  
 Sorokin Nikolai A  
 Souchay Jean  
 Standish E Myles  
 Stellmacher Irene  
 Steves Bonita Alice  
 Sultanov G F  
 Szebehely Victor G  
 Taborda Jose Rosa  
 Tatevyan S K  
 Tawadros Maher Jacoub  
 Taylor Donald Boggia

Thiry Yves R  
 Thuillot William  
 Tong Fu  
 Tremaine Scott Duncan  
 Tsuchida Masayoshi  
 Valsecchi Giovanni B  
 Valtonen Mauri J  
 Varvoglis H  
 Vashkov'Yak Sof-Ya N  
 Vassiliev Nikolay N  
 Veillet Christian  
 Vieira Martins Roberto  
 Vienne Alain  
 Vilhena De Moraes R  
 Vondrak Jan  
 Walch Jean-Jacques  
 Walker Ian Walter  
 Watanabe Noriaki  
 Whipple Arthur L  
 Williams Carol A  
 Winter Othon Cabo  
 Wnuk Edwin  
 Wu Lianda  
 Wytrzyszczak Iwona  
 Xu Jihong  
 Xu Pinxin  
 Yarov-Yarovoj M S  
 Yi Zhaohua  
 Yokoyama Tadashi  
 Yoshida Haruo  
 Yoshida Junzo  
 Yuasa Manabu  
 Zafiroopoulos Basil  
 Zare Khalil  
 Zhang Zheng-Pan  
 Zhao Changyin  
 Zhdanov Valery  
 Zheng Jia-Qing  
 Zheng Xuetao  
 Zhou Hongnan  
 Zhu Wenyao

## Composition of Commission 8

## Positional astronomy/Astronomie de position

<b>President:</b>	Schwan Heiner	
<b>Vice-President:</b>	Jin Wenjing	
<b>Organizing Committee:</b>		
Corbin Thomas Elbert	Morrison Leslie V	Polozhentsev Dimitrij D
Kovalevsky Jean	Noel Fernando	Stone Ronald Cecil
Lopez Jose A	Pinigin Gennadij I	Xu Jiayan
<b>Members:</b>		
Andronova Anna A	Djurovic Dragutin M	Kaplan George H
Anguita Claudio	Dravskikh Alexander F	Kharin Arkadij S
Argyle Robert William	Duma Dmitrij P	Klock B L
Arias Elisa Felicitas	Duncombe Raynor L	Kokurin Yurij L
Bacchus Pierre	Eichhorn Heinrich K	Kosin Gennadij S
Backer Donald Ch	Einicke Ole H	Kurzynska Krystyna
Bagildinskij Bronislav K	Fabricius Claus V	Kuzmin Andrei V
Bakry Abdel-aziz	Fan Yu	Laclare Francis
Bem Jerzy	Feissel Martine	Lattanzi Mario G
Benevides Soares P	Fomin Valery A	Lederle Trudpert
Bernstein Hans Heinrich	Froeschle Michel	Lehmann Marek
Bien Reinhold	Fujishita Mitsumi	Lenhardt Helmut
Bougard Mireille L	Gao Buxi	Li Dongming
Brouw W N	Gauss F Stephen	Li Neng-Yao
Bucciarelli Beatrice	Gontcharov Gueorgui A	Li Qi
Bykov Mikle F	Grudler Pierre	Li Zhengxing
Carrasco Guillermo	Gubanov Vadim S	Li Zhifang
Catalan Manuel	Gulyaev Albert P	Li Zhigang
Cha Du Jin	Guseva Irina S	Lindgren Lennart
Chamberlain Joseph M	Heintz Wulff D	Loyola Patricio
Chiumiento Giuseppe	Helmer Leif	Lu Chunlin
Chlistovsky Franca	Hemenway Paul D	Luo Dingjiang
Chollet Fernand	Hering Roland	Manrique Walter T
Costa Edgardo	Hoeg Erik	Mao Wei
Counselman Charles C	Hu Ning-Sheng	Mavridis L N
Crifo Francoise	Hua Yingmin	Melchior Paul J
de Vegt Chr	Ilin Alexei E	Mitic Ljubisa A
Debarbat Suzanne V	Jackson Paul	Miyamoto Masanori
Dejaiffe Rene J	Jiang Chongguo	Molotaj Olexandr
Delmas Christian	Johnston Kenneth J	Muinos Jose L
Devyatkin Alexander V	Jordi Carne	Murray C Andrew
Dick Steven J	Journet Alain	Nakajima Koichi



Nefedeva Antonina I  
 Nikoloff Ivan  
 Ohnishi Kouji  
 Olsen Fogh H J  
 Osorio Jose J S P  
 Pakvor Ivan  
 Perryman Michael A C  
 Petrov G M  
 Pham-Van Jacqueline  
 Polnitzky Gerhard  
 Poma Angelo  
 Proverbio Edoardo  
 Pugliano Antonio  
 Qi Guanrong  
 Qian Zhihan  
 Rafferty Theodore J  
 Raimond Ernst  
 Reiz Anders  
 Requieme Yves  
 Reynolds John  
 Roeser Siegfried  
 Rousseau Jean-Michel  
 Russell Jane L  
 Rusu I

Sadzakov Sofija  
 Saletic Dusan  
 Sanchez Manuel  
 Sarasso Maria  
 Sato Koichi  
 Schildknecht Thomas  
 Schmeidler F  
 Schwekendiek Peter  
 Sevarlic Branislav M  
 Shen Kaixian  
 Shi Guang-Chen  
 Sims Kenneth P  
 Soderhjelm Staffan  
 Solaric Nikola  
 Soma Mitsuru  
 Spoelstra T A Th  
 Stange Lothar  
 Stavinschi Magdalena  
 Taff Laurence G  
 Tan Detong  
 Teixeira Ramachrisna  
 Telnyuk-Adamchuk V  
 Thoburn Christine  
 Thomas David V

Turon Catherine  
 Urban Sean Eugene  
 Vallejo Miguel  
 van Altena William F  
 van Leeuwen Floor  
 Volyanskaya Margarita Yu  
 Wallace Patrick T  
 Walter Hans G  
 Westerhout Gart  
 Wielen Roland  
 Xia Yifei  
 Xie Liangyun  
 Xu Bang-Xin  
 Xu Tong-Qi  
 Yamazaki Akira  
 Yan Haojian  
 Yasuda Haruo  
 Yatskiv Ya S  
 Ye Shuhua  
 Yoshizawa Masanori  
 Yu Kyung-Loh  
 Zacharias Norbert  
 Zhang Hui  
 Zhu Zi

## Composition of Commission 9

## Insturments/Instruments et techniques

<b>President:</b>	McLean Ian S	
<b>Vice-President:</b>	Su Dingqiang	
<b>Organizing Committee:</b>		
Cullum Martin	Lelievre Gerard	Tango WilliamJ
Dennefeld Michel	Nishimura Shiro Emer	
Jacoby GeorgeH	Saxena AK	
<b>Members:</b>		
Abdul Aziz Ahmad Zaharim	Bonanno Giovanni	Dravins Dainis
Ables Harold D	Bonneau Daniel	Dreher John W
Ai GuoxiangAime Claude	Borgnino Julien	Duchesne Maurice
Albrecht Rudolf	Boyce Peter B	Dunkelman Lawrence
Alvarez Pedro	Brault James W	Edwin Roger P
Andreic Zeljko	Breckinridge James B	Engels Dieter
Aparici Juan	Brejdo Izabella I	Engvold Oddbjoern
Arnaud Jean Paul	Bridgeland Michael	Fabricant Daniel G
Arp Halton	Burton W Butler	Fehrenbach Charles
Ashley Michael	Cao Changxin	Felenbok Paul
Ashok N M	Carter Bradley Darren	Fletcher J Murray
Assus Pierre	Chang Jin	Fomenko Alexandr F
Atherton Paul David	Chelli Alain	Ford jr W Kent
Baba Naoshi	Choudary Debi Prasad	Fort Bernard P
Babcock Horace W	Christy James Walter	Foy Renaud
Baffa Carlo	Citterio Oberto	Fu Delian
Bao Keren	Clarke David	Galan Maximino J
Baranne Andre	Cohen Richard S	Gao Bilie
Barbieri Cesare	Cooke John Alan	Gauss F Stephen
Barcia Alberto	Cornejo Alejandro A	Gay Jean
Barden Samuel Charles	Crawford David L	Gibson David Michael
Barroso JR Jair	Currie Douglas G	Gillanders Gerard
Baruch John	Dall-Oglio Giorgio	Gillingham Peter
Barwig Heinz	Dan Xhixiang	Glass Ian Stewart
Baum William A	Davis John	Gong Shou-shen
Becklin Eric E	Denishchik Yurii	Gray Peter Murray
Beer Reinhard	Desai Jyotindra N	Griffiths Richard E
Bensammar Slimane	Didkovsky Lionid	Grigorjev Victor M
Bhattacharyya J C	Diego Francisco	Grosbol Preben Johnson
Bingham Richard G	Dobronravin Peter	Guibert Jean
Blitzstein William	Dokuchaeva Olga D	Gunji Shuichi
Bonanno Giovanni	Douglas Nigel	Gutcke Dietrich

- Hadley Brian W  
 Hallam Kenneth L  
 Hammerschlag Robert H  
 Hanisch Robert J  
 Hao Yunxiang  
 Harmer Charles F W  
 Harmer Dianne L  
 Heckathorn Harry M  
 Henden Arne Anthon  
 Heudier Jean-Louis  
 Hewitt Anthony V  
 Hilliard Ron  
 Hodapp Klaus-Werner  
 Honeycutt R Kent  
 Hough James  
 Hu Jingyao  
 Hu Ning-Sheng  
 Huang Tieqin  
 Humphries Colin M  
 Hutter Donald John  
 Hysom Edmund J  
 Ilyas Mohammad  
 Irbah Abdanour  
 Ivchenko Vasily  
 Iyengar Srinivasan Rama  
 Jayarajan A P  
 Jeffers Stanley  
 Jenkner Helmut  
 Jiang Shengtao  
 Jiang Shi-Yang  
 Jones Barbara  
 Jordan Carole  
 Joseph Charles Lynn  
 Karachentsev Igor D  
 Karpinskij Vadim N  
 Kentischer Thomas  
 Kipper Tonu  
 Kissell Kenneth E  
 Klock B L  
 Klocok Lubomir  
 Koechlin Laurent  
 Koehler H  
 Koehler Peter  
 Kopylov Ivan M  
 Korovyakovskij Yuriy P  
 Kovachev B J  
 Kreidl Tobias J N  
 Kuehne Christoph F  
 Kulkarni Prabhakar V  
 Labeyrie Antoine  
 Laques Pierre  
 Lasker Barry M  
 Lemaitre Gerard R  
 Li Depei  
 Li Ting  
 Li Zhigang  
 Livingston William C  
 Lochman Jan  
 Lu Ruwei  
 Lynch David K  
 Mack Peter  
 Madau Piero  
 Mahra H S  
 Maillard Jean-Pierre  
 Major John  
 Malin David F  
 Malkamaeki Lauri J  
 Mariotti Jean Marie  
 Martins Donald Henry  
 Matz Steven Micheal  
 McGregor Peter John  
 McMullan Dennis  
 Megevand Denis  
 Meng Xinmin  
 Merkle Fritz  
 Mertz Lawrence N  
 Mikhelson Nikolaj N  
 Millikan Allan G  
 Minarovjeh Milan  
 Mitchell Peter  
 Morgan Brian Lealan  
 Morris Michael C  
 Morton Donald C  
 Murray Stephen S  
 Nakai Yoshihiro  
 Nakajima Tadashi  
 Nelson Jerry E  
 Newton Gavin  
 Niemi Aimo  
 Nishikawa Jun  
 Noumaru Junichi  
 Nunes Rogerio S de sousa  
 O'Byrne John  
 O'Dell Charles R  
 O'Sullivan Creidhe  
 Odgers Graham J  
 Ohtsubo Junji  
 Parker Neil  
 Pasion Fabio  
 Pati A K  
 Penny Alan John  
 Perryman Michael A C  
 Petford A David  
 Petrov Peter P  
 Picat Jean-Pierre  
 Povel Hanspeter  
 Pritchett Christopher J  
 Prokofeva Valentina V  
 Pucillo Mauro  
 Qiu Puzhang  
 Quelez Didier  
 Racine Rene  
 Rakos Karl D  
 Ramsey Lawrence W  
 Reay Newrick K  
 Redfern Michael R  
 Richardson E Harvey  
 Ring James  
 Robertson Norna  
 Robinson Lloyd B  
 Roddier Claude  
 Roddier Francois  
 Rosch Jean  
 Rountree Janet  
 Ruder Hanns  
 Rupprecht Gero  
 Rusconi Luigia  
 Saha Swapan Kumar  
 Sault Robert  
 Schneider Nicholas M  
 Schroeder Daniel J  
 Schultz Alfred Bernard  
 Schultz G V  
 Schumann Joerg Dieter  
 Sedmak Giorgio  
 Seifert Walter  
 Servan Bernard  
 Shakhbazyan Yuriy L  
 Shcheglov P V  
 Shen Changjun  
 Shen Parnan  
 Shi Shengcai  
 Shivanandan Kandiah  
 Shortridge Keith  
 Sim Mary E  
 Slovak Mark Haines  
 Smyth Michael J  
 Snezhko Leonid I  
 Soltau Dirk  
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 Storey John W V  
 Swings Jean-Pierre  
 Tapde Suresh Chandra  
 Title Alan Morton  
 Traub Wesley Arthur  
 Tsvetkov Milcho K  
 Tueg Helmut  
 Tull Robert G  
 Ueno Munetaka  
 Ulich Bobby Lee  
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 Valnicek Boris  
 Valtonen Mauri J  
 van Citters Gordon W  
 Velkov Kiril

Vladimirov Simeon  
Vrba Frederick J  
Walker Alistair Robin  
Walker David Douglas  
Walker Gordon A H  
Walker Merle F  
Wallace Patrick T  
Wampler E Joseph  
Wang Chuanjin  
Wang Lan-Juan  
Wang Ya'nan  
Wang Yiming  
Wang Yong

Wang Zhengming  
Ward Henry  
Watson Frederick Garnett  
Weber Joseph  
Weiss Werner W  
West Richard M  
Westphal James A  
Windhorst Rogier A  
Wlerick Gerard  
Woehl Hubertus  
Worden Simon P  
Worswick Susan  
Wu Linxiang

Wyller Arne A  
Yang Shijie  
Yao Zhengqiu  
Ye Binxun  
Yin Xinhui  
Zacharov Igor  
Zealey William J  
Zhang Xiuzhong  
Zhang Youyi  
Zhao Zhaowang  
Zhou Bifang  
Zhu Nenghong

## Composition of Commission 10

## Solar Activity/Activité solaire

**President:** Ai Guoxiang  
**Vice-President:** Benz Arnold O  
**Secretary:** Dere Kenneth Paul  
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Engvold Oddbojern  
 Gopalswamy N  
 Hammer Reiner  
 Hood Alan

Jackson Bernard V  
 Kim Iraida S  
 Martens Petrus C  
 Poletto Giannina

Rozelot Jean-Pierre  
 Sanchez Almeida Jorge  
 Shibata Kazunari  
 van Driel Gesztzlyi L

**Members:**

Abbasov Alik R  
 Abdelatif Toufik  
 Abouadarham Jean  
 Abramenko Valentina  
 Abrami Alberto  
 Ahluwalia Harjit Singh  
 Alissandrakis C  
 Almleaky Yasseen  
 Altmock Richard C  
 Altschuler Martin D  
 Aly Jean Jacques  
 Amari Tahar  
 Ambastha A K  
 Ambroz Pavel  
 Anderson Kinsey A  
 Antalova Anna  
 Antiochos Spiro Kosta  
 Antonucci Ester  
 Anzer Ulrich  
 Aschwanden Markus  
 Atac Tamer  
 Athay R Grant  
 Aurass Henry  
 Avignon Yvette  
 Babin Arthur  
 Babin Valerij G  
 Bagare S P  
 Ballester Jose Luis  
 Balli Edibe  
 Baranovsky Edward A

Barrow Colin H  
 Batchelor David Allen  
 Beckers Jacques M  
 Bedding Timothy  
 Beebe Herbert A  
 Bell Barbara  
 Belvedere Gaetano  
 Berger Mitchell  
 Bergeron Jacqueline A  
 Berrilli Francesco  
 Bhatnagar Arvind  
 Bocchia Romeo  
 Bohn Horst-Ulrich  
 Bommier Veronique  
 Bondal Krishna Raj  
 Bornmann Patricia L  
 Bougeret Jean Louis  
 Boyer Rene  
 Brajsa Roman  
 Brandenburg Axel  
 Brandt Peter N  
 Braun Douglas Clifford  
 Bray Robert J  
 Brekke Pal Ording lie  
 Brosius Jeffrey William  
 Brown John C  
 Browning Philippa  
 Brueckner Guenter E  
 Bruner Marilyn E  
 Bruns Andrey V

Bruzek Anton  
 Buecher Alain  
 Buechner Joerg  
 Bumba Vaclav  
 Buyukliev Georgi  
 Cadez Vladimir  
 Cally Paul S  
 Cane Hilary Vivien  
 Cargill Peter J  
 Carlqvist Per A  
 Cauzzi Gianna  
 Chambe Gilbert  
 Chandra Suresh  
 Chaoudhuri Arnab  
 Chapman Gary A  
 Charbonneau Paul  
 Chen Zhencheng  
 Cheng Chung-chieh  
 Chernov Gennadij P  
 Chertok Iliia M  
 Chertoprud Vladim E  
 Chiuderi-Drago Franca Pr  
 Chiueh Tzihong  
 Choudary Debi Prasad  
 Choudhuri Arnab Rai  
 Chupp Edward L  
 Cliver Edward W  
 Coffey Helen E  
 Collados Manuel  
 Cook John W

- Correia Emilia  
 Costa Joaquim E R  
 Coutrez Raymond A J  
 Covington Arthur E  
 Craig Ian Jonathan D  
 Cramer Neil  
 Crannell Carol Jo  
 Csada Imre K  
 Culhane Leonard  
 Datlowe Dayton  
 Davila Joseph  
 de Groot T  
 de Jager Cornelis  
 Del Toro Iniesta Jose  
 Demoulin Pascal  
 Dennis Brian Roy  
 Dermendjiev Vladimir  
 Deubner Franz-Ludwig  
 Dezso Lorant  
 Dialetris Dimitris  
 Ding Mingde  
 Ding Youji  
 Dinulescu Simona  
 Dizer Muammer  
 Dollfus Audouin  
 Dryer Murray  
 Dubau Jacques  
 Dubois Marc A  
 Duldig Marcus Leslie  
 Dulk George A  
 Dumitrache Christana  
 Duncan Robert A  
 Dunn Richard B  
 Dwivedi Bhola Nath  
 Dzubenko Nikolai  
 Eddy John A  
 Elste Gunther H  
 Elwert Gerhard  
 Emslie A Gordon  
 Enome Shinzo  
 Falchi Ambretta  
 Falciani Roberto  
 Fang Cheng  
 Farnik Frantisek  
 Feibelman Walter A  
 Feng Kejia  
 Ferriz-Mas Antonio  
 Fisher George Hewitt  
 Foing Bernard H  
 Fontenla Juan Manuel  
 Forbes Terry G  
 Fortini Teresa  
 Fossat Eric  
 Friedman Herbert  
 Fu Qijun  
 Gabriel Alan H  
 Gaizauskas Victor  
 Galal A A  
 Galloway David  
 Galsgaard Klaus  
 Gan Weiqun  
 Garcia Howard A  
 Garcia Jose I de la rosa  
 Gary Gilmer Allen  
 Gelfreikh Georgij B  
 Gergely Tomas Esteban  
 Ghizaru Mihai  
 Gibson David Michael  
 Gilliland Ronald Lynn  
 Gilman Peter A  
 Glatzmaier Gary A  
 Godoli Giovanni  
 Goedbloed Johan P  
 Gokhale Moreshwar Hari  
 Goossens Marcel  
 Gopasyuk S I  
 Grandpierre Attila  
 Gray Norman  
 Gu Xiaoma  
 Guhathakurta Madhulika  
 Gurman Joseph B  
 Gyori Lajos  
 Hagen John P  
 Hagyard Mona June  
 Hanaoka Yoichiro  
 Hanasz Jan  
 Hansen Richard T  
 Hansmeier Arnold  
 Harrison Richard A  
 Harvey John W  
 Hasan Saiyid Strajul  
 Hathaway David H  
 Hayward John  
 Heinzl Petr  
 Henoux Jean-Claude  
 Hermans Dirk  
 Hiei Eijiro  
 Hildebrandt Joachim  
 Hildner Ernest  
 Hirayama Tadashi  
 Hoeksema Jon Todd  
 Hohenkerk Catherine  
 Hollweg Joseph V  
 Holman Gordon D  
 Holzer Thomas Edward  
 Hong Hyon Ik  
 Hood Alan  
 Houdebine Eric  
 Howard Robert F  
 Hoyng Peter  
 Huang Youran  
 Hudson Hugh S  
 Hurford Gordon James  
 Hyder C L  
 Ioshpa Boris A  
 Ireland Jack  
 Isliker Heinz  
 Ivanchuk Victor I  
 Ivanov Evgeny I  
 Ivchenko Vasily  
 Jain Rajmal  
 Jakimiec Jerzy  
 Jardine Moira Mary  
 Jiang Yaotiao  
 Jimenez Mancebo A J  
 Jockers Klaus  
 Jones Harrison Price  
 Jordan Stuart D  
 Joselyn Jo Ann c  
 Jovanovic Bozidar  
 Kaburaki Osamu  
 Kahler Stephen W  
 Kalman Bela  
 Kane Sharad R  
 Kang Jin Sok  
 Karlicky Marian  
 Karpen Judith T  
 Kaufmann Pierre  
 Keppens Rony  
 Kim Kap-sung  
 Kiplinger Alan L  
 Kitai Reizaburo  
 Kjeldseth-Moe Olav  
 Kleczek Josip  
 Klein Karl Ludwig  
 Kliem Bernhard  
 Klimchuk James A  
 Klvana Miroslav  
 Knoska Stefan  
 Kopecky Miloslav  
 Kostik Roman I  
 Kotrc Pavel  
 Koutchmy Serge  
 Kovacs Agnes  
 Krivsky Ladislav  
 Krueger Albrecht  
 Kryvodubskij Valery  
 Kubota Jun  
 Kucera Ales  
 Kuenzel Horst  
 Kuklin Georgly V  
 Kundu Mukul R  
 Kuperus Max  
 Kurochka L N  
 Kurokawa Hiroki

- Landman Donald Alan  
 Lang Kenneth R  
 Lantos Pierre  
 Lawrence John Keeler  
 Leibacher John  
 Leroy Bernard  
 Leroy Jean-Louis  
 Li Chun-Sheng  
 Li Hui  
 Li Kejun  
 Li Son Jae  
 Li Wei  
 Li Weibao  
 Lin Yuanzhang  
 Liritzis Ioannis  
 Liu Xiping  
 Livshits Mikhail A  
 Longbottom Aaron  
 Low Boon Chye  
 Lozitskij Vsevolod  
 Lundstedt Henrik  
 Luo Baorong  
 Luo Xianhan  
 Lustig Guenter  
 Machado Marcos  
 MacKinnon Alexander L  
 MacQueen Robert M  
 Makarov Valentine I  
 Makita Mitsugu  
 Malherbe Jean Marie  
 Malitson Harriet H  
 Maltby Per  
 Malville J Mckim  
 Manabe Seiji  
 Mandrini Cristina Hemilse  
 Mann Gottfried  
 Maris Georgeta  
 Mariska John Thomas  
 Martres Marie-Josephe  
 Mason Glenn M  
 Masuda Satoshi  
 Matsuura Oscar T  
 Mattig W  
 Maxwell Alan  
 McCabe Marie K  
 McIntosh Patrick S  
 McKenna Lawlor Susan  
 McLean Donald J  
 Meerson Baruch  
 Mein Pierre  
 Melrose Donald B  
 Mendes Da Costa Aracy  
 Messerotti Mauro  
 Michalitsianos Andrew  
 Mogilevskij Eh I  
 Moiseev I G  
 Moreno-Insertis Fernando  
 Moreton G E  
 Moriyama Fumio  
 Morozhenko N N  
 Motta Santo  
 Muller Richard  
 Musatenko Sergij  
 Musielak Zdzislaw E  
 Nakagawa Yoshinari  
 Nakajima Hiroshi  
 Nakariakov Valery  
 Namba Osamu  
 Narain Udit  
 Neidig Donald F  
 Nelson Graham John  
 Neukirch Thomas  
 Neupert Werner M  
 Nishi Keizo  
 Nocera Luigi  
 Noens Jacques-Clair  
 Noyes Robert W  
 Nussbaumer Harry  
 Obridko Vladimir N  
 Oekten Adnan  
 Ofman Leon  
 Ohki Kenichiro  
 Ozguc Atila  
 Padmanabhan Janardhan  
 Paletou Frederic  
 Pallavicini Roberto  
 Palle Pere-Lluis  
 Palus Pavel  
 Pan Liande  
 Pap Judit  
 Parfinenko Leonid D  
 Park Young-Deuk  
 Parkinson John H  
 Parkinson William H  
 Pasachoff Jay M  
 Paterno Lucio  
 Pedersen Bent M  
 Peres Giovanni  
 Petrosian Vahe  
 Petrovay Kristof  
 Pevtsov Alexei A  
 Pflug Klaus  
 Phillips Kenneth J H  
 Pick Monique  
 Piddington Jack H Res Fel  
 Pneuman Gerald W  
 Poedts Stefaan  
 Poland Arthur I  
 Poquerusse Michel  
 Porter Jason G  
 Preka-Papadema P  
 Priest Eric R  
 Prokakis Theodore J  
 Raadu Michael A  
 Rabin Douglas Mark  
 Rao A Pramesh  
 Raoult Antoinette  
 Rayrole Jean R  
 Rees David Elwyn  
 Reeves Edmond M  
 Reeves Hubert  
 Regulo Clara  
 Rieger Erich  
 Rijnbeek Richard  
 Robinson Richard D  
 Roca Cortes Teodoro  
 Roemer Max  
 Romanchuk Pavel R  
 Rompolt Bogdan  
 Rosa Dragan  
 Rosch Jean  
 Roudier Thierry  
 Rovira Marta Graciela  
 Roxburgh Ian W  
 Ruediger Guenther  
 Rusin Vojtech  
 Rust David M  
 Ruzdjak Vladimir  
 Ruzickova-Topolova B  
 Rybansky Milan  
 Ryutova Margarita P  
 Saemundson Thorsteinn  
 Sahal-Brechet Sylvie  
 Saito Kuniji  
 Sakao Taro  
 Sakurai Kunitomo  
 Sakurai Takashi  
 Saniga Metod  
 Sawyer Constance B  
 Schatten Kenneth H  
 Schindler Karl  
 Schlueter A  
 Schmahl Edward J  
 Schmelz Joan T  
 Schmidt H U  
 Schmieder Brigitte  
 Schober Hans J  
 Schrijver C J  
 Schroeter Egon H  
 Schuessler Manfred  
 Semel Meir  
 Shapley Alan H  
 Shea Margaret A  
 Sheeley Neil R  
 Shi Zhongxian

- Shibasaki Kiyoto  
 Shine Richard A  
 Silberberg Rein  
 Simnett George M  
 Simon Guy  
 Sinha K  
 Sitnik G F  
 Slonim E M  
 Smaldone Luigi Antonio  
 Smith Dean F  
 Smol-Kov Gennadij Ya  
 Sobotka Michal  
 Solanki Sami K  
 Soliman Mohamed Ahmed  
 Somov Boris V  
 Sotirovski Pascal  
 Spadaro Daniele  
 Spicer Daniel Shields  
 Spruit Henk C  
 Steiner Oskar  
 Stellmacher Goetz  
 Stenflo Jan O  
 Stepanian N N  
 Stepanov Alexander V  
 Steshenko N V  
 Stewart Ronald T  
 Stix Michael  
 Stoker Pieter H  
 Strong Keith T  
 Sturrock Peter A  
 Subramanian K R  
 Sukartadiredja Darsa  
 Sun Kai  
 Svestka Zdenek  
 Sykora Julius  
 Sylwester Barbara  
 Sylwester Janusz  
 Szalay Alex  
 Takakura Tatsuo Emer  
 Takano Toshiaki  
 Talon Raoul  
 Tamenaga Tatsuo  
 Tandberg-Hanssen Einar A  
 Tandon Jagdish Narain  
 Tang Yuhua  
 Tapping Kenneth F  
 Ternullo Maurizio  
 Teske Richard G  
 Thomas John H  
 Thomas Roger J  
 Tifrea Emilia  
 Tlamicha Antonin  
 Tomczak Michal  
 Trellis Michel  
 Treumann Rudolf A  
 Tritakis Basil P  
 Trotter Gerard  
 Tsinganos Kanaris  
 Tsubaki Tokio  
 Tsubota Yukimasa  
 Tsuneta Saku  
 Tuominen Ilkka V  
 Underwood James H  
 Urpo Seppo I  
 Valnicek Boris  
 van Allen James A  
 van den Oord Bert H J  
 van der Linden Ronald  
 van Hoven Gerard  
 van't Veer Frans  
 Vaughan Arthur H  
 Veck Nicholas  
 Vekstein Gregory  
 Velkov Kiril  
 Velli Marco  
 Velli Marco  
 Venkatesan Doraswamy  
 Ventura Rita  
 Vergez Madeleine  
 Verheest Frank  
 Verma V K  
 Vial Jean-Claude  
 Vilmer Nicole  
 Vinluan Renato  
 Vinod S Krishan  
 Vitinskij Yurij I  
 Vrsnak Bojan  
 Vyalshin Gennadij F  
 Waldmeier Max  
 Walsh Robert  
 Wang Haimin  
 Wang Jia-Long  
 Wang Jingxiu  
 Wang Yi-ming  
 Webb David F  
 Wentzel Donat G  
 White Stephen Mark  
 Wiehr Eberhard  
 Wild John Paul  
 Wilson Peter R  
 Wittmann Axel D  
 Woehl Hubertus  
 Wolfson Richard  
 Woltjer Lodewijk  
 Wu Hong'ao  
 Wu Linxiang  
 Wu Mingchan  
 Wu Shi Tsan  
 Xu Aoao  
 Xu Zhentao  
 Yao Jinxing  
 Ye Shi-hui  
 Yeh Tyan  
 Yoshimura Hirokazu  
 You Jianqi  
 Yun Hong-Sik  
 Zachariadis Theodosios  
 Zappala Rosario Aldo  
 Zelenka Antoine  
 Zhang Bairong  
 Zhang Heqi  
 Zhang Zhenda  
 Zhao Renyang  
 Zharkova Valentina  
 Zhelyazkov Ivan  
 Zhong Hongqi  
 Zhou Aihua  
 Zhou Daoqi  
 Zhugzhda Yuzef D  
 Zirin Harold  
 Zlobec Paolo  
 Zou Yixin  
 Zwaan Cornelis



## Composition of Commission 12

## Solar Radiation and Structure/Radiation et structure solaires

**President:** Foukal Peter V  
**Vice-President:** Solanki Sami K  
**Secretary:** Mariska John Thomas  
**Organizing Committee:**

Baliunas Sallie L	Gaizauskas Victor	Stix Michael
Deubner Franz-Ludwig	Heinzel Petr	Suematsu Yoshinori
Dravins Dainis	Kononovich Edward V	
Duvall Thomas L	Koutchmy Serge	
Fang Cheng	Melrose Donald B	

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Acton Loren W	Bommier Veronique	Collados Manuel
Adam Madge G	Bonnet Roger M	Cook John W
Ai Guoxiang	Book David L	Cox Arthur N
Aime Claude	Bornmann Patricia L	Craig Ian Jonathan D
Alissandrakis C	Bougeret Jean Louis	Cram Lawrence Edward
Altrock Richard C	Brandt Peter N	Cramer Neil
Altschuler Martin D	Brault James W	Dara Helen
Ansari S M Razaullah	Bray Robert J	de Jager Cornelis
Antia H M	Breckinridge James B	Degenhardt Detlev
Arnaud Jean Paul	Brosius Jeffrey William	Del Toro Iniesta Jose
Artzner Guy	Brueckner Guenter E	Delbouille Luc
Athay R Grant	Bruner Marilyn E	Deliyannis Jean
Ayres Thomas R	Bruning David H	Demarque Pierre
Balthasar Horst	Bruzek Anton	Deming Leo Drake
Beard David B	Bumba Vaclav	Dezso Lorant
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Bhattacharyya J C	Chen Biao	Dzubenko Nikolai
Billings Donald E	Cheng Chung-chieh	Ehgamberdiev Shurat
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Boehm Karl-Heinz	Chvojkova Woyk E	Epstein Gabriel Leo
Boehm-Vitense Erika	Clark Thomas Alan	Esser Ruth

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Feldman Uri	Karlicky Marian	Meyer Friedrich
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Fontenla Juan Manuel	Kawaguchi Ichiro	Moore Ronald L
Fossat Eric	Keil Stephen L	Moreno-Insertis Fernando
Frazier Edward N	Khetsuriani Tsiala S	Moriyama Fumio
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Froehlich Claus	Klein Karl Ludwig	Muller Richard
Gabriel Alan H	Kncer Franz	Munro Richard H
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Garcia-Berro Enrique	Kopecky Miloslav	Neckel Heinz
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Godoli Giovanni	Kotrc Pavel	Nicolas Kenneth Robert
Gokdogan Nuzhet	Koyama Shin	Nishi Keizo
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Gulyaev Albert P	Kurochka L N	Parkinson William H
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Hammer Reiner	Labs Dietrich	Pecker Jean-Claude
Harvey John W	Landi Degl-Innocenti E	Petrovay Kristof
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Hejna Ladislav	Landolfi Marco	Pflug Klaus
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Jones Harrison Price	Martinez Pillet Valentin	Rovira Marta Graciela
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Severino Giuseppe	Tripathi B M	Wyller Arne A
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## Composition of Commission 14

## Atomic and Molecular Data/Données atomiques et moléculaires

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Aggarwal Kanti Mal

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Arduini-Malinovsky Monique

Artru Marie-Christine

Barnbaum Cecilia

Barrow Richard F

Bartaya R A

Bely-Dubau Francoise

Biemont Emile

Black John Harry

Boechat-Roberty Heloisa M

Bommier Veronique

Branscomb L M

Brault James W

Bromage Gordon E

Burgess Alan

Carbon Duane F

Carroll P Kevin

Carver John H

Chance Kelly V

Cook Alan H

Corliss C H

Cornille Marguerite

Czyzak Stanley J

d'Hendecourt Louis

Dalgarno Alexander

Davis Sumner P

de Frees Douglas J

Delsemme Armand H

Desesquelles Jean

Diercksen Geerd H F

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Dressler Kurt

Dubau Jacques

Dufay Maurice

Edlen Bengt

Eidelsberg Michele

Epstein Gabriel Leo

Faucher Paul

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Federman Steven Robert

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Flower David R

Fuhr Jeffrey Robert

Gabriel Alan H

Gallagher Jean W

Gargaud Muriel

Garstang Roy H

Garton W R S

Glagolevskij Juri V

Goldbach Claudine Mme

Grant Ian P

Green Louis C

Heddle Douglas W O

Herold Heinz

Herzberg Gerhard

Hesser James E

Hoang Binh Dy

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Kroto Harold

Kurucz Robert L

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Langhoff Stephen Robert

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 Lovas Francis John  
 Lutz Barry L  
 Maillard Jean-Pierre  
 McWhirter R W Peter  
 Mewe R  
 Mickelson Michael E  
 Mumma Michael Jon  
 Newsom Gerald H  
 Nicholls Ralph W  
 Nollez Gerard  
 Nussbaumer Harry  
 Obi Shinya  
 Oetken L  
 Oka Takeshi  
 Omont Alain  
 Orton Glenn S  
 Ozeki Hiroyuki  
 Peach Gillian  
 Pei Chunchuan  
 Petrini Daniel  
 Petropoulos Basil Ch  
 Pettini Marco  
 Pfennig Hans H

Phillips John G  
 Piacentini Ruben  
 Pradhan Anil  
 Querci Francois R  
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 Richter Johannes  
 Rogers Forrest J  
 Roncin Jean-Yves  
 Ross John E R  
 Roueff Evelyne M A  
 Ruder Hanns  
 Rudzikas Zenonas B  
 Sahal-Brechet Sylvie  
 Savanov Igor S  
 Schrijver Johannes  
 Seaton Michael J  
 Sharp Christopher  
 Shore Bruce W  
 Sinha K  
 Smith Geoffrey  
 Smith Wm Hayden  
 Somerville William B  
 Sorensen Gunnar  
 Spielfiedel Annie  
 Stark Glen  
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 Stehle Chantal  
 Strachan Leonard

Strelnitski Vladimir  
 Summers Hugh P  
 Swings Jean-Pierre  
 Takayanagi Kazuo  
 Tatum Jeremy B  
 Tozzi Gian Paolo  
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 Trefftz Eleonore E  
 van Dishoeck Ewine F  
 van Regemorter Henri  
 van Rensbergen Walter  
 Varshalovich Dimitrij  
 Voelk Heinrich J  
 Volonte Sergio  
 Vujnovic Vladis  
 Weniger Schame  
 Wiese Wolfgang L  
 Wilson Robert  
 Winnewisser Gisbert  
 Wunner Guenter  
 Yoshino Kouichi  
 Young Louise Gray  
 Yu Yan  
 Zeippen Claude  
 Zeng Qin  
 Zirin Harold

## Composition of Commission 15

Physical Study of Comets, Minor Planets and meteorites/  
 Etude physique des comètes des petites planètes & des météorites

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**Vice-President:** Keller Horst Uwe  
**Secretary:** Muinonen Karri  
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Fernandez Julio A  
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Tedesco Edward F  
 Watanabe Jun-ichi  
 West Richard M

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 Arnold James R  
 Arpigny Claude  
 Axford W Ian  
 Babadzhanyan Pulat B  
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 Barriot Jean-Pierre  
 Barucci Maria A  
 Beard David B  
 Bell Jeffrey F  
 Belton Michael J S  
 Birch Peter  
 Blamont Jacques Emile  
 Bockelee-Morvan Dominique  
 Boehnhardt Hermann  
 Boice Daniel Craig  
 Bonev Tanyu  
 Bouska Jiri  
 Bowell Edward L G  
 Brandt John C  
 Brecher Aviva  
 Brown Robert Hamilton  
 Brownlee Donald E  
 Brunk William E  
 Buie Marc W  
 Buratti Bonnie J  
 Burlaga Leonard F  
 Burns Joseph A  
 Campins Humberto  
 Capaccioni Fabrizio  
 Carruthers George R  
 Carsenty Uri

Carusi Andrea  
 Cellino Alberto  
 Cepelcha Zdenek  
 Cerroni Priscilla  
 Chandrasekhar T  
 Chapman Clark R  
 Chapman Robert D  
 Chen Daohan  
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 Chernykh N S  
 Clairemidi Jacques  
 Clayton Geoffrey C  
 Clayton Robert N  
 Clube S V M  
 Cochran Anita L  
 Cochran William David  
 Combi Michael R  
 Consolmagno Guy Joseph  
 Cosmovici Batalli C  
 Cristescu Cornelia G  
 Crovisier Jacques  
 Cruikshank Dale P  
 Cuypers Jan  
 Danks Anthony C  
 de Almeida Amaury A  
 de Pater Imke  
 de Sanctis Giovanni  
 Debehogne Henri Sc  
 Delsemme Armand H  
 Dermott Stanley F  
 Deutschman William A  
 Di Martino Mario  
 Donn Bertram D  
 Dossin F

Dryer Murray  
 Dzhamshvili Victor P  
 Encrenaz Therese  
 Ershkovich Alexander  
 Eviatar Aharon  
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 Festou Michel C  
 Fitzsimmons Alan  
 Forti Giuseppe  
 Foryta Dietmar William  
 Froeschle Christiane D  
 Fujiwara Akira  
 Fulchignoni Marcello  
 Gammelgaard Peter Mog  
 Gehrels Tom  
 Geiss Johannes  
 Gerard Eric  
 Gibson James  
 Giovane Frank  
 Gradie Jonathan Carey  
 Green Simon F  
 Greenberg J Mayo  
 Greenberg Richard  
 Grossman Lawrence  
 Grudzinska Stefania  
 Gruen Eberhard  
 Gustafson Bo A S  
 Hajduk Anton  
 Halliday Ian  
 Hanner Martha S  
 Hapke Bruce W  
 Harris Alan William  
 Hartmann William K

- Harwit Martin  
 Hasegawa Ichiro  
 Haser Leo N K  
 Haupt Hermann F  
 Helin Eleanor Francis  
 Herzberg Gerhard  
 Hu Zhongwei  
 Hughes David W  
 Huntress Wesley T  
 Ibadinov Khursandkul  
 Ibadov Subhon  
 Ip Wing-huen  
 Irvine William M  
 Isobe Syuzo  
 Ivanova Violeta  
 Jackson William M  
 Jockers Klaus  
 Johnson Torrence V  
 Karttunen Hannu  
 Keay Colin S I  
 Keil Klaus  
 Kiselev Nikolai N  
 Kliem Bernhard  
 Knacke Roger F  
 Knezevic Zoran  
 Koeberl Christian  
 Kohoutek Lubos  
 Konopleva Varvara P  
 Kowal Charles Thomas  
 Kozasa Takashi  
 Kresakova Margita  
 Krishna Swamy K S  
 Kristensen Leif Kahl  
 Lamy Philippe  
 Lancaster Brown Peter  
 Lane Arthur Lonnie  
 Larson Harold P  
 Larson Stephen M  
 Lebofsky Larry Allen  
 Lee Thyphoon  
 Liller William  
 Lillie Charles F  
 Lindsey Charles Allan  
 Lipschutz Michael E  
 Lissauer Jack J  
 Liu Linzhong  
 Liu Zongli  
 Lopes-Gautier Rosaly  
 Lumme Kari A  
 Lupishko Dmitrij F  
 Lutz Barry L  
 Ma Yuehua  
 Magnusson Per  
 Malaise Daniel J  
 Maran Stephen P
- Marcialis Robert  
 Marsden Brian G  
 Marzari Francesco  
 Matson Dennis L  
 Matsuura Oscar T  
 McCord Thomas B  
 McCrosky Richard E  
 McDonnell J A M  
 McFadden Lucy Ann  
 McKenna Lawlor Susan  
 Meisel David D  
 Mendis Devamitta Asoka  
 Michalowski Tadeusz  
 Milani Andrea  
 Milet Bernard L  
 Miller Freeman D  
 Millis Robert L  
 Moehlmann Diedrich  
 Moore Elliott P  
 Moroz Vasilis I  
 Morrison David  
 Mukai Tadashi  
 Mumma Michael Jon  
 Nakamura Akiko M  
 Nakamura Tsuko  
 Napier William M  
 Neff John S  
 Neukum G  
 Newburn Ray L  
 Niedner Malcolm B  
 Ninkov Zoran  
 Noll Keith Stephen  
 O'Dell Charles R  
 O'Keefe John A  
 Paolicchi Paolo  
 Parisot Jean-Paul  
 Pellas Paul  
 Pendleton Yvonne Jean  
 Perez de Tejada H A  
 Pilcher Carl Bernard  
 Pillinger Colin  
 Pittich Eduard M  
 Prialnik-Kovetz Dina  
 Proisy Paul E  
 Reitsema Harold J  
 Remy Battiau Liliane G A  
 Revelle Douglas Orson  
 Rickman Hans  
 Roemer Elizabeth  
 Roussetot Philippe  
 Sagdeev Roald Z  
 Saito Takao  
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 Scaltriti Franco  
 Schleicher David G
- Schloerb F Peter  
 Schmidt H U  
 Schmidt Maarten  
 Schober Hans J  
 Scholl Hans  
 Schubart Joachim  
 Sekanina Zdenek  
 Sharma A Surjalal  
 Sharp Christopher  
 Shimizu Mikio  
 Shkodrov V G  
 Shor Viktor A  
 Shul-man L M  
 Sivaraman K R  
 Smith Bradford A  
 Snyder Lewis E  
 Solc Martin  
 Spinrad Hyron  
 Steel Duncan I  
 Stern S Alan  
 Surdej Jean M G  
 Svoren Jan  
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 Tacconi-Garman Lowell E  
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 Tancredi Gonzalo  
 Tatum Jeremy B  
 Terentjeva Alexandra K  
 Tholen David J  
 Tomita Koichiro  
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 Van Flandern Tom  
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 Wallis Max K  
 Wang Sichao  
 Wasson John T  
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 Weaver Harold F  
 Wehinger Peter A  
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 Weissman Paul Robert  
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 Williams Iwan P  
 Wood John A

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Woszczyk Andrzej  
Wyckoff Susan

Yabushita Shin A  
Yavnel Alexander A  
Yeomans Donald K

Zarnecki Jan Charles  
Zellner Benjamin H  
Zhu Jin



## Composition of Commission 16

Physical Study of Planets and Satellites/*Etude physique des planètes et des satellites*

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Akimov Leonid  
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Batson Raymond Milner  
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Baum William A  
Bazilevsky Alexandr T  
Beebe Reta Faye  
Beer Reinhard  
Bell III James F  
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Berge Glenn L  
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Chen Daohan  
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Cochran Anita L  
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Colombo G  
Combi Michael R  
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de Pater Imke  
Dermott Stanley F  
Dickel John R  
Dickey Jean O'Brien  
Dollfus Audouin

Drake Frank D  
Drossart Pierre  
Durrance Samuel T  
Dzhapiashvili Victor P  
El Baz Farouk  
Elliot James L  
Elston Wolfgang E  
Encrenaz Therese  
Epishev Vitali P  
Eshleman Von R  
Esposito Larry W  
Farinella Paolo  
Fielder Gilbert  
Fink Uwe  
Fox Kenneth  
Fox W E  
Fujiwara Akira  
Geake John E  
Gehrels Tom  
Geiss Johannes  
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Giclas Henry L  
Gierasch Peter J  
Gold Thomas  
Goldreich Peter  
Goldstein Richard M  
Goody R M  
Gor'kavyy Nikolai  
Gorenstein Paul  
Goudas Constantine L

- Green Jack  
 Grossman Lawrence  
 Guerin Pierre  
 Guest John E  
 Gulkis Samuel  
 Gurshtein Alexander A  
 Haenninen Jyrki  
 Hagfors Tor  
 Halliday Ian  
 Hammel Heidi B  
 Harris Alan William  
 Harris Alan William  
 Herzberg Gerhard  
 Hide Raymond  
 Holberg Jay B  
 Horedt Georg Paul  
 Hovenier J W  
 Hu Zhongwei  
 Hubbard William B  
 Hunt G E  
 Hunten Donald M  
 Irvine William M  
 Iwasaki Kyosuke  
 Johnson Torrence V  
 Jurgens Raymond F  
 Kaula William M  
 Kiladze R I  
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 Kislyuk Vitalij S  
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 Kumar Shiv S  
 Kurt Vitaliy G  
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 Lane Arthur Lonne  
 Larson Harold P  
 Larson Stephen M  
 Leikin Grigerij A  
 Lewis J S  
 Lissauer Jack J  
 Lockwood G Wesley  
 Lopes-Gautier Rosaly  
 Lopez-Moreno Jose Juan  
 Lopez-Puertas Manuel  
 Lopez-Valverde M A  
 Lumme Kari A  
 Lutz Barry L  
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 Millis Robert L  
 Miyamoto Sigenori  
 Moehlmann Diedrich  
 Molina Antonio  
 Moore Patrick  
 Moreno Fernando  
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 Morozhenko A V  
 Mosser Benoit  
 Mulholland J Derral  
 Mumma Michael Jon  
 Murphy Robert E  
 Nakagawa Yoshitsugu  
 Ness Norman F  
 Neukum G  
 O'Keefe John A  
 Ottelet I J  
 Pang Kevin  
 Paolicchi Paolo  
 Petit Jean-Marc  
 Petropoulos Basil Ch  
 Pettengill Gordon H  
 Pillinger Colin  
 Pokorny Zdenek  
 Potter Andrew E  
 Predeanu Irina  
 Rao M N  
 Rodionova Janna F  
 Rodrigo Rafael  
 Roques Francoise  
 Rosch Jean  
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 Shimizu Tsutomu Emer  
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 Sprague Ann Louise  
 Stern S Alan  
 Stoev Alexei  
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 Strong John D  
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 Tholen David J  
 Trafton Laurence M  
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 Veverka Joseph  
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 Wasserman Lawrence H  
 Wasson John T  
 Weidenschilling S J  
 Weimer Theophile P F  
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 Wetherill George W  
 Whitaker Ewen A  
 Wildey Robert L  
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 Williams James G  
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 Yoder Charles F  
 Young Andrew T  
 Young Louise Gray  
 Zharkov Vladimir N

## Composition of Commission 19

## Rotation of the Earth/Rotation de la Terre

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**Vice-President:** Capitaine Nicole

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Beutler Gerhard  
Brosche Peter  
Brzezinski Aleksander  
Dehant Veronique

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Gross Richard Sewart  
Manabe Seiji  
Morrison Leslie V  
Rykhlova Lidija V

Tarady Vladimir K  
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Wilson P  
Yang Fumin  
Yatskiv Ya S

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Bang Yong Gol  
Banni Aldo  
Barlier Francois E  
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Blinov Nikolai S  
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Bougeard Mireille L  
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Cazenave Anny  
Chiumiento Giuseppe  
Debarbat Suzanne V  
Defraigne Pascale  
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Dickey Jean O'Brien  
Dickman Steven R  
Djurovic Dragutin M  
El Shahawy Mohamad  
Fliegel Henry F  
Fong Chugang  
Fujishita Mitsumi  
Gambis Daniel  
Gao Buxi  
Gaposchkin Edward M  
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Gozhy Adam  
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Guinot Bernard R  
Hall R Glenn  
Han Tianqi

Han Yanben  
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Iijima Shigetaka  
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Kolaczek Barbara  
Korsun Alla  
Kosek Wieslaw  
Lehmann Marek  
Li Jinling  
Li Zhengxin  
Li Zhian  
Liao De-chun  
Lieske Jay H  
Liu Ciyuan  
Luo Dingjiang  
Luo Shi-Fang  
Ma Chopo  
Malkin Zinovy M  
Meinig Manfred  
Melbourne William G  
Melchior Paul J  
Merriam James B  
Monet Alice K B  
Morgan Peter  
Mueller Ivan I

Naumov Vitalij A  
Newhall X X  
Niemi Aimo  
Ooe Masatsugu  
Paquet Paul Eg  
Pesek Ivan  
Petit Gerard  
Picca Domenico  
Pilkington John D H  
Poma Angelo  
Popelar Josef  
Proverbio Edoardo  
Randic Leo  
Ray James R  
Robertson Douglas S  
Rochester Michael G  
Ron Cyril  
Ruder Hanns  
Rusu I  
Sadzakov Sofija  
Sanchez Manuel  
Sasao Tetsuo  
Sato Koichi  
Schutz Bob Ewald  
Sekiguchi Naosuke  
Sevarlic Branislav M  
Sevilla Miguel J  
Shapiro Irwin I  
Shelus Peter J  
Sidorenkov Nikolay S  
Smith Humphry M

Soffel Michael  
Souchay Jean  
Stanila George  
Stavinschi Magdalena  
Stephenson F Richard  
Sugawa Chikara  
Tapley Byron D  
Tian Jing  
Tsao Mo  
Veillet Christian  
Vicente Raimundo O

Wang Kemin  
Wang Zhengming  
Wilkins George A  
Williams James G  
Wu Bin  
Wu Shouxian  
Wuensch Johann Jakob  
Xiao Naiyuan  
Xu Jiayan  
Xu Tong-Qi  
Ye Shuhua

Yokoyama Koichi  
Yumi Shigeru  
Zeng Zhifang  
Zhang Guo-Dong  
Zhao Ming  
Zheng Dawei  
Zhong Min  
Zhu Yaozhong  
Zhu Yonghe

## Composition of Commission 20

## Position and Motions of Minor Planets, Comets and Satellites/

## Positions et mouvements des petites planètes des comètes et des satellites

**President:** Rickman Hans  
**Vice-President:** Bowell Edward L G  
**Secretary:** Valsecchi Giovanni B

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Arlot Jean-Eudes	Shor Viktor A	
Carusi Andrea	Wasserman Lawrence H	
Lemaitre Anne	Yeomans Donald K	

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A'Hearn Michael F	Dunham David W	Helin Eleanor Francis
Abalakin Victor K	Dvorak Rudolf	Hemenway Paul D
Aikman G Chris I	Edelman Colette	Henrard Jacques
Babadzhanov Pulat B	Edmondson Frank K	Hers Jan
Bailey Mark Edward	Elliot James L	Heudier Jean-Louis
Batrkov Yuri V	Elst Eric Walter	Hurnik Hieronim
Bec-Borsenberger Annick	Emelianov Nikolaj V	Hurukawa Kiitiro
Benest Daniel	Epishev Vitali P	Ianna Philip A
Bien Reinhold	Fernandez Julio A	Isobe Syuzo
Blanco Carlo	Ferraz-Mello Sylvio	Ivanova Violeta
Blow Graham L	Ferreri Walter	Izvekov Vladimir A
Boerngen Freimut	Forti Giuseppe	Jacobson Robert A
Branham Richard L	Franklin Fred A	Khatishashvili Alfez Sh
Burns Joseph A	Freitas Mourao R r	Kiang Tao
Calame Odile	Froeschle Claude	Kilmartin Pamela
Carpino Mario	Garfinkel Boris	Kinoshita Hiroshi
Chapront-Touze Michelle	Gehrels Tom	Kisseleva Tamara P
Chernykh N S	Gibson James	Klemola Arnold R
Chio Chol Zong	Giclas Henry L	Knezevic Zoran
Chodas Paul Winchester	Gilmore Alan C	Kohoutek Lubos
Cristescu Cornelia G	Gong Xiangdong	Kosai Hiroki
de Pascual Martinez M	Greenberg Richard	Kowal Charles Thomas
de Sanctis Giovanni	Hahn Gerhard J	Kozai Yoshihide
Debehogne Henri Sc	Hainaut Olivier R	Krasinsky George A
Delsemme Armand H	Harper David	Kristensen Leif Kahl
Dollfus Audouin	Harris Alan William	Krolikowska-Soltan Malgorzata
Donnison John Richard	Hasegawa Ichiro	Kulikova Nelli V
Dourneau Gerard	Haupt Hermann F	Lagerkvist Claes-Ingvar
Doval Jorge Perez	He Miaofu	Lazzaro Daniela

- Lieske Jay H  
Lin Qinchang  
Lindblad Bertil A  
Lomb Nicholas Ralph  
Lovas Miklos  
Machado Luiz E da Silva  
Mahra H S  
Manara Alessandro A  
Matese John J  
McCrosky Richard E  
McNaught Robert H  
Medvedev Yuriy D  
Message Philip J  
Milani Andrea  
Milet Bernard L  
Millis Robert L  
Mintz Blanco Betty  
Monet Alice K B  
Moons Michele B M M  
Morris Charles S  
Muinonen Karri  
Mulholland J Derral  
Murray Carl D  
Nacozy Paul E  
Nakamura Tsuko  
Nakano Syuichi  
Nobili Anna M  
Oterma Liisi  
Overbeek Michiel Daniel  
Owen William Mann  
Pandey A K  
Pascu Dan  
Pauwels Thierry
- Pierce David Allen  
Pittich Eduard M  
Porubcan Vladimir  
Protich Milorad B  
Rajamohan R  
Raju Vasundhara  
Rapaport Michel  
Reitsema Harold J  
Roemer Elizabeth  
Roeser Siegfried  
Russell Kenneth S  
Sato Massae  
Schmadel Lutz D  
Schober Hans J  
Scholl Hans  
Schubart Joachim  
Schuster William John  
Seidelmann P Kenneth  
Sekanina Zdenek  
Shelus Peter J  
Shen Kaixian  
Shkodrov V G  
Sinclair Andrew T  
Sitarski Grzegorz  
Sokolsky Andrej G  
Solovaya Nina A  
Soma Mitsuru  
Standish E Myles  
Steel Duncan I  
Stellmacher Irene  
Sultanov G F  
Svoren Jan  
Synnott Stephen P
- Tancredi Gonzalo  
Tatum Jeremy B  
Taylor Donald Boggia  
Tholen David J  
Tomita Koichiro  
Torres Carlos  
Tsuchida Masayoshi  
Vaghi Sergio  
Van Flandern Tom  
van Houten C J  
van Houten-Groeneveld I  
Vavrova Zdenka  
Veillet Christian  
Vieira Martins Roberto  
Vienne Alain  
Vu Duong Tuyen  
Weissman Paul Robert  
West Richard M  
Whipple Arthur L  
Whipple Fred L  
Wild Paul  
Williams Iwan P  
Williams James G  
Wroblewski Herbert  
Yabushita Shin A  
Yoshikawa Makoto  
Yuasa Manabu  
Zadunaisky Pedro E  
Zagretdinov Renat  
Zappala Vincenzo  
Zhu Jin  
Ziolkowski Krzysztof

## Composition of Commission 21

## Light of the Night Sky/Lumière du ciel nocture

**President:** Bowyer C Stuart

**Vice-President:** Lamy Philippe

**Organizing Committee:**

Dwek Eli  
Gustafson Bo A S  
Hanner Martha S

Leinert Christoph  
Levasseur-Regourd A-C  
Mann Ingrid

Matsumoto Toshio  
Mikhail Joseph Sidky  
Mukai Tadashi

**Members:**

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Angione Ronald J  
Baggaley William J  
Banos Cosmas J  
Belkovich Oleg I  
Blamont Jacques Emile  
Broadfoot A Lyle  
Chamberlain Joseph W  
Clairemidi Jacques  
d'Hendecourt Louis  
Dermott Stanley F  
Dodonov Serguej  
Dubin Maurice  
Dufay Maurice  
Dumont Rene  
Dunkelman Lawrence  
Elsaesser Hans  
Feldman Paul Donald  
Fujiwara Akira  
Gadsden Michael  
Galperin Yuri I  
Giovane Frank  
Greenberg J Mayo  
Gruen Eberhard  
Harwit Martin  
Hauser Michael G  
Hecht James H  
Henry Richard C  
Hofmann Wilfried  
Hong Seung Soo  
Hurwitz Mark V

Ivanov Kholodny Goz S  
Jackson Bernard V  
James John F  
Joubert Martine  
Karygina Zoya V  
Kopylov Alexander  
Koutchmy Serge  
Kulkarni Prabhakar V  
Leger Alain  
Lemke Dietrich  
Lillie Charles F  
Lopez-Gonzalez Maria J  
Lopez-Moreno Jose Juan  
Lopez-Puertas Manuel  
Lumme Kari A  
Maihara Toshinori  
Mather John Cromwell  
Mattila Kalevi  
Maucherat J  
McDonnell J A M  
Mikhail Fahmy I  
Misconi Nebil Yousif  
Morgan David H  
Muinonen Karri  
Mukai Sonoyo  
Nawar Samir  
Neizvestny Sergei  
Nishimura Tetsuo  
Paresce Francesco  
Perrin Jean Marie  
Pfleiderer Jorg

Radoski Henry R  
Reach William  
Robley Robert  
Rodrigo Rafael  
Rozhkovskij Dimitrij A  
Sanchez Francisco  
Sanchez-Saavedra M Luisa  
Saxena P P  
Schlosser Wolfhard  
Schwehm Gerhard  
Shefov Nicolai N  
Soberman Robert K  
Sparrow James G  
Staude Hans Jakob  
Sykes Mark Vincent  
Tanabe Hiroyoshi  
Toller Gary N  
Toroshlidze Teimuraz I  
Tyson John Anthony  
van de Hulst H C  
Vrtilek Jan M  
Wallis Max K  
Weinberg J L  
Wesson Paul S  
Wilson P  
Witt Adolf N  
Wolstencroft Ramon D  
Wolfson Michael M  
Yamamoto Tetsuo  
Yamashita Kojun  
Zerull Reiner H

## Composition of Commission 22

## Meteors &amp; Interplanetary Dust/Météores &amp; poussière interplanétaire

**President:** Baggaley William J  
**Vice-President:** Porubcan Vladimir  
**Secretary:** Hawkes Robert Lewis  
**Organizing Committee:**

Babadzhanov Pulat B  
 Elford William Graham  
 Gustafson Bo A S

Hasegawa Ichiro  
 Koeberl Christian  
 Mann Ingrid

Spurny Pavel  
 Williams Iwan P

**Members:**

Abbott William N  
 Beard David B  
 Belkovich Oleg I  
 Bhandari N  
 Bibarsov Ravil-sh  
 Borovicka Jiri  
 Brownlee Donald E  
 Carusi Andrea  
 Ceplecha Zdenek  
 Cevolani Giordano  
 Clifton Kenneth St  
 Clube S V M  
 Cooper Timothy  
 Djorgovski Stanislav  
 Dubin Maurice  
 Forti Giuseppe  
 Glass Billy Price  
 Goswami J N  
 Gruen Eberhard  
 Hajduk Anton  
 Hajdukova Maria  
 Halliday Ian  
 Hanner Martha S  
 Harvey Gale A  
 Hawkins Gerald S  
 Helin Eleanor Francis  
 Hey James Stanley  
 Hodge Paul W  
 Hong Seung Soo  
 Hughes David W  
 Jenniskens Petrus M M  
 Jennison Roger C

Jones James  
 Jopek Tadeusz Jan  
 Kalenichenko Valentin  
 Kapisinsky Igor  
 Kasheschev B L  
 Keay Colin S L  
 Kramer Kh N  
 Kresakova Margita  
 Kruchinenko Vitaliy G  
 Lamy Philippe  
 Lemaire Joseph F  
 Levasseur-Regourd Annie  
 Chantal  
 Lindblad Bertil A  
 Lovell Sir Bernard  
 Marvin Ursula B  
 Mason John William  
 McCrosky Richard E  
 McDonnell J A M  
 McIntosh Bruce A  
 Meisel David D  
 Miles Howard G  
 Misconi Nebil Yousif  
 Murray C Andrew  
 Murray Carl D  
 Nakazawa Kiyoshi  
 Napier William M  
 Newburn Ray L  
 Nuth Joseph A III  
 O'Keefe John A  
 Pecina Petr  
 Pillinger Colin

Plavec Zdenka  
 Polnitzky Gerhard  
 Poole Graham  
 Quesada Vinicio  
 Rajchl Jaroslav  
 Revelle Douglas Orson  
 Rickman Hans  
 Ripken Hartmut W  
 Russell John A  
 Sekanina Zdenek  
 Shao Cheng-yuan  
 Simek Milos  
 Soberman Robert K  
 Steel Duncan I  
 Svestka Jiri  
 Tatum Jeremy B  
 Taylor Andrew  
 Tedesco Edward F  
 Terentjeva Alexandra K  
 Tomita Koichiro  
 Verniani Franco  
 Wang dechang  
 Watanabe Jun-ichi  
 Weinberg J L  
 Wetherill George W  
 Whipple Fred L  
 Wood John A  
 Woolfson Michael M  
 Xu Pinxin  
 Yavnel Alexander A  
 Yeomans Donald K  
 Zvolankova Judita



## Composition of Commission 24

## Photographic Astrometry/Astrométrie photographique

**President:** Schilbach Elena

**Vice-President:** Jin Wenjing

**Organizing Committee:**

Creze Michel  
Hemenway Paul D  
Kumkova Irina I

Platais Imants K  
Roeser Siegfried  
Turon Catherine

Wang Jiayi

**Members:**

Abad Carlos  
Abhyankar Krishna D  
Arenou Frederic  
Argue A Noel  
Ballabh G M  
Bastian Ulrich  
Benedict George F  
Blaauw Adriaan  
Bouigue Roger  
Branham Richard L  
Breakiron Lee Allen  
Bronnikova Nina M  
Brosche Peter  
Bunclark Peter Stephen  
Chiu Liang-Tai George  
Christy James Walter  
Clube S V M  
Connes Pierre  
Corbin Thomas Elbert  
Crifo Françoise  
Cudworth Kyle Mccabe  
Dahn Conard Curtis  
de Vegt Chr  
Dick Wolfgang  
Dommanget J  
Douglass Geoffrey G  
Ducourant Christine  
Eichhorn Heinrich K  
Elsmore Bruce  
Fallon Frederick W  
Fanselow John Lyman  
Firneis Friedrich J

Firneis Maria G  
Franz Otto G  
Fredrick Laurence W  
Fresneau Alain  
Gallouet Louis  
Gatewood George  
Gauss F Stephen  
Geffert Michael  
Giclas Henry L  
Goyal A N  
Guibert Jean  
Hanson Robert B  
Hartkopf William I  
Hershey John L  
Heudier Jean-Louis  
Hill Graham  
Hoffleit E Dorrit  
Ianna Philip A  
Irwin Michael John  
Jahreiss Hartmut  
Jefferys William H  
Johnston Kenneth J  
Jones Burton  
Jones Derek H P  
Kanayev Ivan I  
Kharchenko Nina  
Kislyuk Vitalij S  
Klemola Arnold R  
Klock B L  
Kolchinskij I G  
Kovalevsky Jean  
Lapushka K K

Latypov A A  
Le Poole Rudolf S  
Lippincott Sarah Lee  
Lopez Carlos  
Lozinskij Alexander M  
Lu Chunlin  
Lu Phillip K  
MacConnell Darrell J  
Machado Luiz E da silva  
Marschall Laurence A  
McAlister Harold A  
McLean Brian J  
Menessier Marie-Odile  
Miyamoto Masanori  
Monet David G  
Morrison Leslie V  
Murray C Andrew  
Nunez Jorge  
Oja Tarmo  
Onegina A B  
Osborn Wayne  
Pascu Dan  
Perryman Michael A C  
Pizzichini Graziella  
Polozhentsev Dimitrij D  
Potter Heino I  
Qin Dao  
Rafferty Theodore J  
Requieme Yves  
Rizvanov Naufal G  
Roemer Elizabeth  
Ruder Hanns

Russell Jane L  
Sanders Walt L  
Scholz Ralf Dieter  
Shelus Peter J  
Shi Guang-Chen  
Sims Kenneth P  
Stein John William  
Steinert Klaus Guenter  
Stock Jurgen D  
Stone Ronald Cecil

Strand Kaj Aa  
Thomas David V  
Tucholke Hans-Joachim  
Uppgren Arthur R  
Valbousquet Armand  
van Altena William F  
Vilkki Erkki U  
Walter Hans G  
Wan Lai  
Wasserman Lawrence H

Westerhout Gart  
White Graeme Lindsay  
Williams Carol A  
Worley Charles E  
Wroblewski Herbert  
Yang Tinggao  
Younis Saad M  
Zacharias Norbert

## Composition of Commission 25

## Stellar Photometry and Polarimetry/Photométrie stellaire et polarimétrie

**President:** Sterken Christiaan Leo

**Vice-President:** Landolt Arlo U

**Organizing Committee:**

Adelman Saul J  
Bessell Michael S  
Breger Michel  
Glass Ian Stewart  
Graham John A

Hensberge Herman  
Kurtz Donald Wayne  
Landstreet John D  
Milone Eugene F  
Moffett Thomas J

Sekiguchi Kazuhiro  
Tinbergen Jaap  
Warren Wayne H

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Ables Harold D  
Albrecht Rudolf  
Anandaram Mandayam N  
Angel J Roger P  
Angione Ronald J  
Anthony-Twarog Barbara J  
Argue A Noel  
Arnaud Jean Paul  
Arsenijevic Jelisaveta  
Ashok N M  
Aspin Colin  
Axon David  
Baldinelli Luigi  
Balona Luis Antero  
Barnes III Thomas G  
Barrett Paul Everett  
Beck Rainer  
Becker Wilhelm  
Behr Alfred  
Blanco Victor M  
Blecha Andre Boris G  
Bookmyer Beverly B  
Borgman Jan  
Borra Ermanno F  
Brown Douglas Nason  
Bruck Hermann A  
Buser Roland  
Carney Bruce William  
Carter Brian  
Castelaz Micheal W  
Celis Leopoldo

Connolly Leo Paul  
Cousins A W J  
Coyne George V  
Cramer Noel  
Crawford David L  
Cuypers Jan  
Dachs Joachim  
Dahn Conard Curtis  
Danford Stephen C  
Denoyelle Jozef Kic  
Deshpande M R  
Dolan Joseph F  
Dubout Renee  
Ducati Jorge Ricardo  
Ducourant Christine  
Edwards Paul J  
Eelsalu Heino  
Efimov Yuri  
Fabregat Juan  
Feinstein Alejandro  
Ferne J Donald  
Forte Juan Carlos  
Gallouet Louis  
Gehrz Robert Douglas  
Genet Russel M  
Gerbaldi Michele  
Ghosh S K  
Golay Marcel  
Goy Gerald  
Grauer Albert D  
Grenon Michel

Grewing Michael  
Guetter Harry Hendrik  
Gutierrez-Moreno A  
Hall Douglas S  
Hauck Bernard  
Hayes Donald S  
Heck Andre  
Hilditch Ronald W  
Hill Philip W  
Holmberg Erik B  
Hu Jingyao  
Huang Lin  
Hubrig Svetlana  
Huvelin Juhani  
Hyland A R Harry  
Irwin Alan W  
Iyengar K V K  
Jerzykiewicz Mikolaj  
Jordi Carme  
Joshi Suresh Chandra  
Joshi U C  
Kawara Kimiaki  
Kepler S O  
Kilkenny David  
King Ivan R  
Knude Jens Kirkeskov  
Koch Robert H  
Kulkarni Prabhakar V  
Kunkel William E  
Labhardt Lukas  
Laskarides Paul G

Lasker Barry M	Orsatti Ana M	Sudzius Jokubas
Lemke Michael	Page Arthur	Sullivan Denis John
Lenzen Rainer	Pederos Mario	Szkody Paula
Leroy Jean-Louis	Pel Jan Willem	Szymanski Michal
Li Sin Hyong	Penny Alan John	Tandon S N
Linde Peter	Perry Charles L	Tapia-Perez Santiago
Lockwood G Wesley	Pfau Werner	Todoran Ioan
Lub Jan	Pfeiffer Raymond J	Tokunaga Alan Takashi
Luna Homero G	Philip A G Davis	Tolbert Charles R
Maitzen Hans M	Pirola Vilppu E	Ulrich Bruce T
Manfroid Jean	Platais Imants K	Ureche Vasile
Markkanen Tapio	Pokrzywka Bartlomiej	Vardanian R A
Marraco Hugo G	Rao P Vivekananda	Vaughan Arthur H
Masani A	Raveendran A V	Verma R P
Maslennikov Kirill L	Reglero-Velasco Victor	Visvanathan Natarajan
Mathys Gautier	Richardson Lorna Logan	Vrba Frederick J
Mayer Pavel	Robb Russell M	Walker Alistair Robin
McCarthy Martin F	Robinson Edward Lewis	Wallenquist Aake A E
McLean Ian S	Roslund Curt	Walraven Th
Mendoza V Eugenio E	Rufener Fredy G	Wang Chuanjin
Menzies John W	Rydgren Alfred Eric	Weiss Werner W
Mianes Pierre	Sarma M B K	Weistrop Donna
Miller Joseph S	Schmidt Edward G	Wesselius Paul R
Mintz Blanco Betty	Schoeneich W	White Nathaniel M
Moreno Hugo	Schuster William John	Wielebinski Richard
Morris Stephen C	Shakhovskoj Nikolay M	Willstrop Roderick V
Mourard Denis	Shawl Stephen J	Winiarski Maciej
Muller Andre B	Smyth Michael J	Woo Jong Ok
Mumford George S	Steinlin Uli	Wramdemark Stig S o
Nicolet Bernard	Stock Jurgen D	Yamashita Yasumasa
Noguchi Kunio	Stockman Hervey S	Yin Jisheng
Notni P	Stone Remington P S	Young Andrew T
Oblak Edouard	Straizys V	Ziznovsky Jozef
Oestreicher Roland	Strohmeier Wolfgang	

## Composition of Commission 26

## Double and Multiple Stars/Etoiles doubles et multiples

<b>President:</b>	Zinnecker Hans	
<b>Vice-President:</b>	Scarfe Colin D	
<b>Organizing Committee:</b>		
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Hartkopf William I	Trimble Virginia L	
<b>Members:</b>		
Abt Helmut A	Geyer Edward H	Oblak Edouard
Anosova Joanna	Hakkila Jon Eric	Oswalt Terry D
Argue A Noel	Halbwachs Jean Louis	Pannunzio Renato
Argyle P E	Herrera Miguel Angel	Peterson Deane M
Bacchus Pierre	Hershey John L	Popovic Georgije
Bagnuolo William G	Hidayat Bambang	Poveda Arcadio
Balega Yuri Yu	Hill Graham	Prieto Cristina
Batten Alan H	Hindsley Robert Bruce	Rakos Karl D
Beavers Willet I	Hummel Christian Aurel	Russell Jane L
Bernacca Pietio L	Hummel Wolfgang	Salukvadze G N
Bonneau Daniel	Ianna Philip A	Scardia Marco
Brosche Peter	Jaschek Carlos O R	Schmidtke Paul C
Cabrita Ezequiel	Jassur Davoud MZ	Sinachopoulos D
Campbell Alison	Kiselyov Alexej A	Smak Joseph I
Cester Bruno	Kumsishvili J I	Soderhjelm Staffan
Chen Zhen	Lampens Patricia	Sowell James Robert
Couteau Paul	Latham David W	Stein John William
Culver Roger Bruce	Lattanzi Mario G	Strand Kaj Aa
Dadaev Aleksandr N	Leinert Christoph	Szabados Laszlo
Docobo Jose A Durantez	Ling J	Torres Guillermo
Dommanget J	Lippincott Sarah Lee	Tsay Wean-Shun
Douglass Geoffrey G	Loden Kerstin R	Uppgren Arthur R
Dunham David W	Loden Lars Olof	Valbousquet Armand
Eichhorn Heinrich K	Martin Eduardo	van Altena William F
Fekel Francis C	McAlister Harold A	van der Hucht Karel A
Ferrer Osvaldo Eduardo	Meyer Claude	van Dessel Edwin Ludo
Fletcher J Murray	Mikkola Seppo	Walker Richard L
Franz Otto G	Mohan Chander	Wang Jiayi
Fredrick Laurence W	Morbey Christopher L	Weis Edward W
Freitas Mourao R r	Morbidelli Roberto	Yan Lin-shan
Gatewood George	Morel Pierre Jacques	
Gaudenzi Silvia	Muller Paul	

**Composition of Commission 27****Variable Stars/Etoiles variables**

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<b>Organizing Committee:</b>		
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Cottrell Peter Ledsam	Matthews Jaymie	Welch Douglas L
Harmanec Petr	Moskalik Pawel	Whitelock Patricia Ann
<b>Members:</b>		
Aerts Conny	Bersier David	Cutispoto Giuseppe
Aizenman Morris L	Berthomieu Gabrielle	Cuyppers Jan
Albinson James	Bessell Michael S	Danford Stephen C
Albrow Michael	Bianchini Antonio	de Groot Mart
Alfaro Emilio Javier	Bochonko D Richard	Delgado Antonio Jesus
Allan David W	Bolton C Thomas	Demers Serge
Alpar Ali	Bond Howard E	Deupree Robert G
Andrievsky Sergei	Bopp Bernard W	Dickens Robert J
Antipova Lyudmila I	Boulon Jacques J	Donahue Robert Andrew
Antonello Elio	Bowen George H	Downes Ronald A
Antov Alexandar	Boyarchuk Alexander A	Dunlop Storm
Arellano Ferro Armando	Boyarchuk Margarita E	Dupuy David L
Arkhipova Vesa P	Breger Michel	Dziembowski Wojciech
Arsenijevic Jelisaveta	Brown Douglas Nason	Edwards Paul J
Asteriadis Georgios	Buchler J Robert	Efremov Yuri N
Avgoloupis Stavros	Burki Gilbert	El Basuny Ahmed Alawy
Baade Dietrich	Busko Ivo C	Eskioglu A Nihat
Baglin Annie	Butler C John	Evans Aneurin
Baker Norman H	Butler Dennis	Evans Nancy Remage
Balona Luis Antero	Caldwell John A R	Evren Serdar
Barnes III Thomas G	Cameron Andrew Collier	Fadeyev Yuri A
Bartolini Corrado	Casares Valazquez Jorge	Feast Michael W
Barwig Heinz	Catchpole Robin M	Feibelman Walter A
Bastien Pierre	Chavira Enrique Sr	Ferland Gary Joseph
Bateson Frank M OBE	Cherepashchuk Analily M	Fernie J Donald
Bath Geoffrey T	Christy Robert F	Fitch Walter S
Bauer Wendy Hagen	Cohen Martin	Friedjung Michael
Bedogni Roberto	Connolly Leo Paul	Frolov Mikhail S
Belmonte Aviles J A	Contadakis Michael E	Gahm Goesta F
Belserene Emilia P	Cook Kem Holland	Gallagher John S
Belvedere Gaetano	Coulson Iain M	Garrido Rafael
Benson Priscilla J	Coutts-Clement Christine	Gascoigne S C B
Berdnikov Leonid N	Cox Arthur N	Gasparian Lazar

- Genet Russel M  
 Gershberg R E  
 Geyer Edward H  
 Gieren Wolfgang P  
 Gies Douglas R  
 Gillet Denis  
 Glagolevskij Juri V  
 Godoli Giovanni  
 Gorbatsky Vitalij G  
 Gosset Eric  
 Gough Douglas O  
 Goupil Marie Jose  
 Graham John A  
 Grasdalen Gary L  
 Grinin Vladimir P  
 Groenewegen Martin  
 Grygar Jiri  
 Guerrero Gianantonio  
 Guinan Edward Francis  
 Gurm Hardev S  
 Gursky Herbert  
 Guzik Joyce Ann  
 Hackwell John A  
 Haefner Reinhold  
 Haisch Bernhard Michael  
 Halbwachs Jean Louis  
 Hall Douglas S  
 Hamdy M A M  
 Hansen Carl J  
 Hawley Suzanne Louise  
 Heiser Arnold M  
 Henden Arne Anthon  
 Herbig George H  
 Hers Jan  
 Hesser James E  
 Hill Philip W  
 Hill Henry Allen  
 Hiroyasu Ando  
 Hoffleit E Dorrit  
 Hojaev Alisher S  
 Houk Nancy  
 Howell Steve Bruce  
 Huenemoerder David P  
 Hutchings John B  
 Iben Icko  
 Iijima Takashi  
 Ishida Toshihito  
 Jablonski Francisco  
 Jarzebowski Tadeusz  
 Jeffery Christopher S  
 Jewell Philip R  
 Jiang Shi-Yang  
 Jones Albert F  
 Kadouri Talib Hadi  
 Kambe Eiji  
 Kanamitsu Osamu  
 Kanbur Shashi  
 Kanyo Sandor  
 Karitskaya Eugenia A  
 Karovska Margarita  
 Karp Alan Hersh  
 Kawaler Steven D  
 Kepler S O  
 Khaliullin Khabibrachman F  
 Kim Tu Hwan  
 Kim Chulhee  
 Kiplinger Alan L  
 Kippenhahn Rudolf  
 Kjeldsen Hans  
 Kjurkchieva Diana  
 Koen Marthinus  
 Kollath Zoltan  
 Kopylov Ivan M  
 Kraft Robert P  
 Krautter Joachim  
 Kreiner Jerzy Marek  
 Krisciunas Kevin  
 Krzeminski Wojciech  
 Kubiak Marcin A  
 Kuhi Leonard V  
 Kumsishvili J I  
 Kunkel William E  
 Lago Maria Teresa V T  
 Landolt Arlo U  
 Laney Clifton D  
 Lanning Howard Hugh  
 Lanza Antonino Francesco  
 Laskarides Paul G  
 Lawson Warrick  
 Lazaro Carlos  
 Leite Scheid Paulo  
 Leung Kam Ching  
 Li Yan  
 Li Zhiping  
 Little-Marenin Irene R  
 Liu Zongli  
 Lockwood G Wesley  
 Longmore Andrew J  
 Lopez De Coca M D P  
 Lub Jan  
 Madore Barry Francis  
 Maeder Andre  
 Maffei Paolo  
 Mahmoud Farouk M A B  
 Mahra H S  
 Makarenko Ekaterina N  
 Mannino Giuseppe  
 Mantegazza Luciano  
 Margrave Thomas Ewing  
 Martin William L  
 Martinez Peter  
 Masani A  
 Mattei Janet Akyuz  
 Mauche Christopher W  
 Mavridis L N  
 McGraw John T  
 Mcnamara Delbert H  
 Melikian Norair D  
 Mennessier Marie-Odile  
 Metz Klaus  
 Michel Eric  
 Milone Luis A  
 Milone Eugene F  
 Minikulov Nasridin K  
 Mirzoyan Ludwik V  
 Moffett Thomas J  
 Mohan Chander  
 Morrison Nancy Dunlap  
 Mukai Koji  
 Mumford George S  
 Murdin Paul G  
 Nather R Edward  
 Neff John S  
 Niarchos Panayiotis  
 Nicolov Nikolai S  
 Nikolov Andrej  
 Nugis Tiit  
 O'Donoghue Darragh  
 Odgers Graham J  
 Olah Katalin  
 Opolski Antoni  
 Oswald Terry D  
 Papaloizou John C B  
 Paparo Margit  
 Papousek Jiri  
 Parsamyan Elma S  
 Parthasarathy M  
 Paterno Lucio  
 Pavlovski Kresimir  
 Percy John R  
 Petersen J O  
 Petrov Peter P  
 Pettersen Bjoern Ragnvald  
 Piirola Vilppu E  
 Pijpers Frank Peter  
 Pollard Karen  
 Pop Vasile  
 Pringle James E  
 Provost Janine  
 Pskovskij Juri P  
 Pugach Alexander F  
 Rakos Karl D  
 Rao N Kameswara  
 Reinsch Klaus  
 Renson P F M

- Richter G A  
 Robinson Edward Lewis  
 Rodgers Alex W  
 Rodono Marcello  
 Rodriguez Eloy  
 Romano Giuliano  
 Romanov Yuri S  
 Rountree Janet  
 Russev Ruscho  
 Sadik Aziz R  
 Saha Abhijit  
 Samus Nikolai N  
 Sandmann William Henry  
 Sanyal Ashit  
 Sareyan Jean-Pierre  
 Sarma M B K  
 Sato Naonobu  
 Schlegel Eric Matthew  
 Schmidt Edward G  
 Schwartz Philip R  
 Schwarzenberg-Czerny A  
 Schwoppe Axel  
 Scufflaire Richard  
 Seeds Michael August  
 Shahul Hameed Mohin  
 Shakhovskaya Nadejda I  
 Shara Michael  
 Sharma Dharma Pal  
 Sherwood William A  
 Shobbrook Robert R  
 Sinvhal Shambhu Dayal  
 Smak Joseph I  
 Smeyers Paul  
 Smith Myron A  
 Soliman Mohamed Ahmed  
 Srivastava Ram Kumar  
 Starrfield Sumner  
 Stellingwerf Robert F  
 Stepien Kazimierz  
 Sterken Christiaan Leo  
 Stobie Robert S  
 Strassmeier Klaus G  
 Strohmeier Wolfgang  
 Strom Karen M  
 Strom Stephen E  
 Szabados Laszlo  
 Szatmary Karoly  
 Szecsenyi-Nagy Gabor  
 Szeidl Bela  
 Szkody Paula  
 Takeuti Mine  
 Tammann Gustav Andreas  
 Tamura Shin'ichi  
 Tempesti Piero  
 Terzan Agop  
 Tjin-a-Djie Herman R E  
 Torres Carlos Alberto  
 Tremko Jozef  
 Tsioumis Alexandros  
 Tsvetkov Milcho K  
 Tsvetkova Katya  
 Turner David G  
 Tutukov A V  
 Tylenda Romuald  
 Usher Peter D  
 Valtier Jean-Claude  
 van Genderen Arnoud M  
 van Hoolst Tim  
 Ventura Rita  
 Verheest Frank  
 Viotti Roberto  
 Vogt Nikolaus  
 Waelkens Christoffel  
 Walker William S G  
 Walker Edward N  
 Walker Merle F  
 Wallerstein George  
 Walraven Th  
 Warner Brian  
 Watson Robert  
 Webbink Ronald F  
 Wehlau Amelia  
 Weiss Werner W  
 Wenzel W  
 Williamon Richard M  
 Willson Lee Anne  
 Wilson Lionel  
 Wing Robert F  
 Wood Peter R  
 Xiong Darun  
 Yao Baoan  
 Yudin Boris F  
 Zijlstra Albert  
 Zola Stanislaw  
 Zsoldos Endre  
 Zuckerman Ben M



## Composition of Commission 28

## Galaxies

**President:** Bertola Francesco

**Vice-President:** Okamura Sadanori

**Organizing Committee:**

Balkowski-Mauger Chantal  
 Burstein David  
 Chakrabarti Sandip K  
 de Zeeuw Pieter T

Feast Michael W  
 Huchra John Peter  
 Trimble Virginia L  
 Wielebinski Richard

Zasov Anatole V  
 Zou Zhenlong

**Members:**

Ables Harold D  
 Abrahamian Hamlet V  
 Adler David Scott  
 Afanas'ev Viktor L  
 Agüero Estela L  
 Aguilar Luis A Chiu  
 Ahmad Farooq  
 Alcaino Gonzalo  
 Alighieri Sparello Di Serego  
 Alladin Saleh Mohamed  
 Allen Ronald J  
 Alloin Danielle  
 Alonso Maria Victoria  
 Amram Philippe  
 Andernach Heinz  
 Andriolat Yvette  
 Ann Hong Bae  
 Anosova Joanna  
 Aparicio António  
 Ardeberg Arne L  
 Arkhipova Vesa P  
 Athanassoula Evangelia  
 Ayani Kazuya  
 Azzopardi Marc  
 Bahcall John N  
 Bailey Mark Edward  
 Bajaja Esteban  
 Baldwin Jack A  
 Ballabh G M  
 Banhatti Dilip Gopal  
 Barbon Roberto  
 Barcons Xavier

Barthel Peter  
 Bassino Lilia P  
 Basu Baidyanath  
 Battaner Eduardo  
 Battinelli Paolo  
 Baum Stef Alison  
 Baum William A  
 Beck Rainer  
 Becker Peter Adam  
 Begeman Kor G  
 Bender Ralf  
 Bendinelli Orazio  
 Benedict George F  
 Benevides Soares P  
 Berczik Peter  
 Bergeron Jacqueline A  
 Bergvall Nils Ake Sigvard  
 Berkhuijsen Elly M  
 Berman Vladimir  
 Bettoni Daniela  
 Bian Yulin  
 Bica Eduardo L D  
 Biermann Peter L  
 Bijaoui Albert  
 Binette Luc  
 Binggeli Bruno  
 Binney James J  
 Biretta John Anthony  
 Birkinshaw Mark  
 Bland-Hawthorn Jonathan  
 Blitz Leo  
 Block David Lazar

Blumenthal George R  
 Boerngen Freimut  
 Boeshaar Gregory Orth  
 Boisson Catherine  
 Boksenberg Alec  
 Bomans Dominik J  
 Bontekoe Romke  
 Borchkhadze Tengiz M  
 Bosma Albert  
 Bottinelli Lucette  
 Bouchet Patrice  
 Bower Gary Allen  
 Braccisi Alessandro  
 Braun Robert  
 Brecher Kenneth  
 Briggs Franklin  
 Brinkmann Wolfgang  
 Brinks Elias  
 Brodie Jean P  
 Brosch Noah  
 Brosche Peter  
 Brouillet Nathalie  
 Bruzual Gustavo  
 Burbidge Eleanor Margaret  
 Burbidge Geoffrey R  
 Burns Jack O'Neal  
 Buta Ronald J  
 Butcher Harvey R  
 Byrd Gene G  
 Calzetti Daniela  
 Cameron Luzius Martin  
 Campos Ana

- Campusano Luis E  
 Cannon Russell D  
 Cao Shenglin  
 Cao Xinwu  
 Capaccioli Massimo  
 Carigi Leticia  
 Carignan Claude  
 Carranza Gustavo J  
 Carrillo Moreno Rene  
 Carswell Robert F  
 Carter David  
 Casertano Stefano  
 Casoli Fabienne  
 Cellone Sergio Aldo  
 Cepa Jordi  
 Chalabaev Almas  
 Chamaroux Pierre  
 Chatterjee Tapan K  
 Chen Jiansheng  
 Chen Zhencheng  
 Chiba Masashi  
 Chincarini Guido L  
 Chokshi Arati  
 Chou Chih-Kang  
 Chu Yaoquan  
 Chugai Nikolai N  
 Clavel Jean  
 Cohen Ross D  
 Colin Jacques  
 Combes Francoise  
 Comte Georges  
 Considere Suzanne  
 Contopoulos George  
 Cook Kem Holland  
 Corwin Harold G  
 Couch Warrick  
 Courtes Georges  
 Courvoisier Thierry J-L  
 Cowsik Ramanath  
 Crane Philippe  
 d'Odorico Sandro  
 da Costa Luiz A N  
 Danks Anthony C  
 Davidge Timothy J  
 Davidsen Arthur Falnes  
 Davies Rodney D  
 Davis Jonathan Ivor  
 Davis Marc  
 de Boer Klaas Sjoerds  
 de Bruyn A Ger  
 de Carvalho Reinaldo  
 de la Noe Jerome  
 de Robertis M M  
 de Silva L N K  
 Dejonghe Herwig Bert  
 Dekel Avishai  
 Del Olmo Orozco A  
 Demers Serge  
 Deng Zugan  
 Dennefeld Michel  
 Dettmar Ralf-Juergen  
 Di Fazio Alberto  
 Diaz Angeles Isabel  
 Dickens Robert J  
 Dickey John M  
 Dietrich Matthias  
 Doi Mamoru  
 Dokuchaev Vyacheslav I  
 Donas Jose  
 Donner Karl Johan  
 Dopita Michael A  
 Dottori Horacio A  
 Doyon Rene  
 Dressel Linda L  
 Dressler Alan  
 Drinkwater Michael J  
 Dubois Pascal  
 Dufour Reginald James  
 Dultzin-Hacyan D  
 Durrett Florence  
 Duval Marie-France  
 Ebisuzaki Toshikazu  
 Edelson Rick  
 Edmunds Michael Geoffrey  
 Efstathiou George  
 Einasto Jaan  
 Ekers Ronald D  
 Ellis Richard S  
 Elmegreen Debra Meloy  
 Elvis Martin S  
 Elvius Aina M  
 Emerson David  
 English Jayanne  
 Espey Brian Russell  
 Evans Robert  
 Evans Roger G  
 Fabbiano Giuseppina  
 Faber Sandra M  
 Fabricant Daniel G  
 Fairall Anthony P  
 Falco-Acosta Emilio E  
 Fall S Michael  
 Feinstein Carlos  
 Feitzinger Johannes  
 Ferland Gary Joseph  
 Ferrini Federico  
 Field George B  
 Filippenko Alexei V  
 Firmani Claudio A  
 Flin Piotr  
 Florsch Alphonse  
 Foltz Craig B  
 Forbes Duncan Alan  
 Ford Holland C Res  
 Ford W Kent  
 Forte Juan Carlos  
 Fouque Pascal  
 Fraix-Burnet Didier  
 Francis Paul  
 Freedman Wendy L  
 Freeman Kenneth C  
 Fricke Klaus  
 Fried Josef Wilhelm  
 Fritze Klaus  
 Fritze-von Alvensleben Ute  
 Frogel Jay Albert  
 Ftaclas Christ  
 Fuchs Burkhard  
 Fujimoto Masayuki  
 Fukugita Masataka  
 Gallagher John S  
 Galletta Giuseppe  
 Gamaleldin Abdulla I  
 Garcia Lambas Diego  
 Garcia-Burillo Santiago  
 Garilli Bianca  
 Gascoigne S C B  
 Gavazzi Giuseppe  
 Geller Margaret Joan  
 Georgiev Tsvetan  
 Gerhard Ortwin  
 Ghigo Francis D  
 Ghosh P  
 Giacani Elsa Beatriz  
 Gigoyan Kamo  
 Giovanardi Carlo  
 Giovanelli Riccardo  
 Glass Ian Stewart  
 Godlowski Wlodzimierz  
 Gonzalez Serrano J I  
 Goodrich Robert W  
 Gorgas Garcia Javier  
 Goss W Miller  
 Gottesman Stephen T  
 Gouguenheim Lucienne  
 Graham John A  
 Grandi Steven Aldridge  
 Grasdalen Gary L  
 Gregg Michael David  
 Griffiths Richard E  
 Gunn James E  
 Gurzadian Grigor A  
 Gyulbudaghian Armen L  
 Hagen-Thorn Vladimir A  
 Hagio Fumihiko

- Hamabe Masaru  
 Hambrayan Valeri V  
 Hammer Francois  
 Hanami Hitoshi  
 Handa Toshihiro  
 Hara Tetsuya  
 Hardy Eduardo  
 Harms Richard James  
 Harnett Julieine  
 Hasan Hashima  
 He Xiangtao  
 Heckman Timothy M  
 Heeschen David S  
 Heidmann Jean  
 Heidt Jochen  
 Held Enrico V  
 Heller Clayton  
 Helou George  
 Henry Richard B C  
 Hensler Gerhard  
 Hernquist Lars Eric  
 Hewitt Adelaide  
 Hewitt Anthony V  
 Hickson Paul  
 Hintzen Paul Michael N  
 Hiotelis Nicolaos  
 Hjalmarson Ake G  
 Hjorth Jens  
 Hjorth Jens  
 Hodge Paul W  
 Holmberg Erik B  
 Hopp Ulrich  
 Hough James  
 Hoyle Fred  
 Hu Fuxing  
 Hua Chon Trung  
 Huang Jiehao  
 Huang Keliang  
 Huang Song-nian  
 Huang Yongwei  
 Huchtmeier Walter K  
 Hummel Edsko  
 Humphreys Roberta M  
 Hunstead Richard W  
 Hunter Christopher  
 Hunter James H  
 Ichikawa Shin-ichi  
 Ichikawa Takashi  
 Illingworth Garth D  
 Impey Christopher D  
 Infante Leopoldo  
 Irwin Judith  
 Israel Frank P  
 Issa Issa Aly  
 Iwanowska Wilhelmina  
 Iye Masanori  
 Izotov Yuri  
 Jaffe Walter Joseph  
 Jerjen Helmut  
 Jog Chanda J  
 Joly Monique  
 Jones Paul  
 Jones Thomas Walter  
 Jorgensen Inger  
 Joshi Mohan N  
 Joshi U C  
 Joy Marshall J  
 Jugaku Jun  
 Junkes Norbert  
 Junkkarinen Vesa T  
 Kalafi Manoucher  
 Kalinkov Marin P  
 Kalloglian Arsen T  
 Kandalian Rafik A  
 Kandrup Henry Emil  
 Kaneko Noboru  
 Kapahi Vijay K  
 Karachentsev Igor D  
 Karachentseva Valentina  
 Karoji Hiroshi  
 Katgert Peter  
 Kaufman Michele  
 Keel William C  
 Kellermann Kenneth I  
 Kennicutt Robert C  
 Kerr Frank J  
 Khachikian E Ye  
 Khanna Ramon  
 Khare Pushpa  
 King Ivan R  
 Kinman Thomas D  
 Kirshner Robert Paul  
 Klein Ulrich  
 Knapen Johan Hendrik  
 Knapp Gillian R  
 Kochhar R K  
 Kodaira Keiichi  
 Kogoshvili Natela G  
 Kojoian Gabriel  
 Kollatschny Wolfram  
 Kontizas Evangelos  
 Kontorovich Victor  
 Koo David C-Y  
 Koratkar Anuradha P  
 Koribalski Baerbel Silvia  
 Kormendy John  
 Kotilainen Jari  
 Kraan-Korteweg Renee C  
 Krause Marita  
 Krishna Gopal  
 Kron Richard G  
 Krumm Nathan Allyn  
 Kumai Yasuki  
 Kunchev Peter  
 Kunth Daniel  
 Kustaanheimo Paul E  
 Lafon Jean-Pierre J  
 Lancon Ariane  
 Larson Richard B  
 Lasker Barry M  
 Lauberts Andris  
 Laurikainen Eija  
 Lausberg Andre  
 Lawrence Andrew  
 Layzer David  
 Le Fevre Olivier  
 Leacock Robert Jay  
 Ledlow Michael James  
 Lehto Harry J  
 Leibundgut Bruno  
 Lelievre Gerard  
 Lequeux James  
 Li Jing  
 Li Qibin  
 Li Xiaoqing  
 Liller William  
 Lilly Simon J  
 Lin Chia C  
 Lindblad Per Olof  
 Liu Ruliang  
 Liu Yongzhen  
 Lo Kwok-Yung  
 Lonsdale Carol J  
 Lopez Rosario  
 Lopez-Cruz Omar  
 Lord Steven Donald  
 Lorenz Hilmar  
 Lortet Marie Claire  
 Loup Cecile  
 Low Frank J  
 Lu Limin  
 Lucey John  
 Lugger Phyllis M  
 Luminet Jean-Pierre  
 Lynden-Bell Donald  
 Lynds Beverly T  
 Lynds Roger C  
 Ma Er  
 Macalpine Gordon M  
 Maccagni Dario  
 Macchetto Ferdinando  
 Madden Suzanne  
 Madore Barry Francis  
 Magris C Gladis  
 Mahtessian Abraham P

- Malagnini Maria Lucia  
 Mannucci Filippo  
 Marcelin Michel  
 Marques Dos Santos P  
 Marston Anthony Philip  
 Martin Maria Cristina  
 Martinet Louis  
 Masegosa Gallego J  
 Mathewson Donald S  
 Mauersberger Rainer  
 Maurice Eric N  
 Mavrides Stamatia  
 Mayya Divakara  
 McBreen Brian Philip  
 McGaugh Stacy Sutton  
 Mediavilla Evencio  
 Meier David L  
 Meikle William P S  
 Meisenheimer Klaus  
 Mendes de Oliveira Claudia  
 Menon T K  
 Meusinger Helmut  
 Milet Bernard L  
 Miley George K  
 Miller Hugh R  
 Miller Joseph S  
 Miller Richard H  
 Mills Bernard Y  
 Mineva Veneta  
 Mirabel Igor Felix  
 Mizuno Takao  
 Moles Mariano J  
 Mofinari Emilio  
 Moody Joseph Ward  
 Moorwood Alan F M  
 Moreno Edmundo  
 Moss Christopher  
 Mould Jeremy R  
 Mueller Volker  
 Munoz-Tunon Casiana  
 Muratorio Gerard  
 Murray Stephen S  
 Mushotzky Richard  
 Muzzio Juan C  
 Nair Sunita  
 Nakai Naomasa  
 Namboodiri P M S  
 Narlikar Jayant V  
 Navarro Julio Fernando  
 Ninkovic Slobodan  
 Nityananda R  
 Noguchi Masafumi  
 Noonan Thomas W  
 Norman Colin A  
 Nulsen Paul  
 O'Connell Robert West  
 O'Dea Christopher P  
 Oemler Augustus  
 Ohta Kouji  
 Oke J Beverley  
 Oleak H  
 Olofsson Kjell  
 Oosterloo Thomas  
 Osman Anas Mohamed  
 Osterbrock Donald E  
 Owen Frazer Nelson  
 Pacholczyk Andrzej G  
 Palmer Philip  
 Palumbo Giorgio G C  
 Pan Rong-Shi  
 Papayannopoulos Th  
 Parker Quentin  
 Pastoriza Miriani G  
 Paturel Georges  
 Peimbert Manuel  
 Pello Roser Descayre  
 Peng Qiuhe  
 Perea-Duarte Jaime D  
 Perez Enrique  
 Perez Fournon Ismael  
 Perry Judith J  
 Peters William L III  
 Peterson Bradley Michael  
 Peterson Charles John  
 Petit Jean-Marc  
 Petrosian Artashes R  
 Petrov Georgy Trendafilov  
 Petuchowski Samuel J  
 Pfenniger Daniel  
 Phillips Mark M  
 Pickles Andrew John  
 Pikichian Hovhannes  
 Pismis de Recillas Paris  
 Pogge Richard William  
 Popescu Cristina Carmen  
 Popov Vasil Nikolov  
 Poveda Arcadio  
 Prabhu Tushar P  
 Prendergast Kevin H  
 Press William H  
 Prevot-Burnichon Marie Louise  
 Prieur Jean-louis  
 Pritchett Christopher J  
 Pronik I I  
 Pronik V I  
 Proust Dominique  
 Puerari Ivanio  
 Quinn Peter  
 Quintana Hernan  
 Rafanelli Piero  
 Rampazzo Roberto  
 Raychaudhury Somak  
 Reaves Gibson  
 Rebeiro Edith  
 Reichert Gail Anne  
 Rephaeli Yoel  
 Richer Harvey B  
 Richstone Douglas O  
 Richter Gotthard  
 Roberts Morton S  
 Roberts William W  
 Robertson James Gordon  
 Rocca-Volmerange Brigitte  
 Rodriguez-Espinosa Jose M  
 Roeser Hermann-Josef  
 Rood Herbert J  
 Roos Nicolaas  
 Rosa Michael Richard  
 Rosado Margarita  
 Rose James Anthony  
 Rots Arnold H  
 Rozas Maite  
 Rubin Vera C  
 Rudnicki Konrad  
 Rydbeck Gustaf H B  
 Ryder Stuart  
 Sackett Penny  
 Sadat Rachida  
 Sadler Elaine Margaret  
 Sadun Alberto Carlo  
 Sahibov Firuz H  
 Sakai Shoko  
 Sakhibov Firouz  
 Sala Ferran  
 Salvador-Sole Eduardo  
 Sanahuja Blas  
 Sancisi Renzo  
 Sanders David B  
 Sanders Robert  
 Sanroma Manuel  
 Sapre A K  
 Sarazin Craig L  
 Sargent Wallace L W  
 Sasaki Minoru  
 Sasaki Toshiyuki  
 Saslaw William C  
 Sastry Shankara K  
 Savage Ann  
 Sawa Takeyasu  
 Schechter Paul L  
 Schmidt K H  
 Schmidt Maarten  
 Schuecking E L  
 Schultz G V  
 Schulz Hartmut

- Schwarz Ulrich J  
 Schweizer Francois  
 Sciana Dennis W  
 Scorza de Appl Cecilia  
 Scoville Nicholas Z  
 Searle Leonard  
 Sedrakian David  
 Seiden Philip E  
 Sekiguchi Maki  
 Sellwood Jerry A  
 Seshadri Sridhar  
 Setti Giancarlo  
 Shakeshaft John R  
 Shakhbazian Romelia K  
 Sharples Ray  
 Shaver Peter A  
 Shaya Edward J  
 Sherwood William A  
 Shields Gregory A  
 Shields Joseph C  
 Shimasaku Kazuhiro  
 Shore Steven N  
 Shostak G Seth  
 Sigurdsson Steinn  
 Sil'chenko Olga K  
 Sillanpaa Aimo Kalevi  
 Simien Francois  
 Simkin Susan M  
 Singh Kulinder Pal  
 Sitko Michael L  
 Skillman Evan D  
 Sleath John  
 Slezak Eric  
 Smecker-Hane Tammy A  
 Smith Bruce F  
 Smith Eric Philip  
 Smith Haywood C  
 Smith Malcolm G  
 Smith Harding E  
 Soares Domingos S L  
 Sobouti Yousef  
 Soltan Andrzej Maria  
 Song Guoxuan  
 Sparks William Brian  
 Spinrad Hyron  
 Srinivasan G  
 Staveley-Smith Lister  
 Steiman-Cameron Thomas  
 Stepanian A A  
 Stepanian Jivan A  
 Stiavelli Massimo  
 Stirpe Giovanna M  
 Stone Remington P S  
 Storchi-Bergman Thaisa  
 Strom Richard G  
 Strom Robert G  
 Subrahmanyam P V  
 Sugai Hajime  
 Sulentic Jack W  
 Sullivan Woodruff T  
 Sun Wei-Hsin  
 Sundelius Bjoern  
 Syer David  
 Tacconi Linda J  
 Tacconi-Garman Lowell E  
 Tagger Michel  
 Takalo Leo O  
 Takami Hideki  
 Takase Bunshiro  
 Takato Naruhisa  
 Talbot Raymond J  
 Tammann Gustav Andreas  
 Tanaka Yutaka D  
 Taniguchi Yoshiaki  
 Telesco Charles M  
 Telles Eduardo  
 Terlevich Roberto Juan  
 Terzian Yervant  
 Thakur Ratna Kumar  
 Theis Christian  
 Thomas Peter A  
 Thomasson Magnus  
 Thonnard Norbert  
 Thuan Trinh Xuan  
 Tiersch Heinz  
 Tiftt William G  
 Tong Yi  
 Tony John  
 Toomre Alar  
 Tovmassian Hrant M  
 Toyama Kiyotaka  
 Traat Peeter  
 Treder H J  
 Tremaine Scott Duncan  
 Trinchieri Ginevra  
 Tsuchiya Toshio  
 Tully Richard Brent  
 Turner Edwin L  
 Tyson John Anthony  
 Udry Stephane  
 Ulrich Marie-Helene D  
 Unger Stephen  
 Urbanik Marek  
 Valentijn Edwin A  
 Valtonen Mauri J  
 van Albada tjeerd S  
 van den Bergh Sidney  
 van der Hulst Jan M  
 van der Kruit Pieter C  
 van der Laan Harry  
 van der Marel Roeland P  
 van Driel Willem  
 van Genderen Arnoud M  
 van Gorkom Jacqueline H  
 van Moorsel Gustaaf  
 van Woerden Hugo  
 Varma Ram Kumar  
 Vauglin Isabelle  
 Veilleux Sylvain  
 Verdes-Montenegro Lourdes  
 Vermeulen Rene Cornelis  
 Veron Marie-Paule  
 Veron Philippe  
 Vigroux Laurent  
 Visvanathan Natarajan  
 Voglis Nikos  
 Vrtilek Jan M  
 Wada Keiichi  
 Wagner Stefan  
 Wakamatsu Ken-ichi  
 Wallin John Frederick  
 Walterbos Rene A M  
 Wang Tinggui  
 Ward Martin John  
 Warner John W  
 Weedman Daniel W  
 Wehinger Peter A  
 Weiler Kurt W  
 Welch Gary A  
 Westerlund Bengt E  
 White Richard Allan  
 White Simon David Manion  
 Whitford Albert E  
 Whitmore Bradley C  
 Wielen Roland  
 Wiita Paul Joseph  
 Wild Paul  
 Wilkinson Althea  
 Williams Barbara A  
 Williams Robert E  
 Williams Theodore B  
 Wills Beverley J  
 Wills Derek  
 Wilson Albert G  
 Wilson Andrew S  
 Windhorst Rogier A  
 Wisotzki Lutz  
 Wlerick Gerard  
 Woosley Stanley E  
 Worrall Diana Mary  
 Wozniak Herve  
 Wrobel Joan Marie  
 Wynn-Williams C G  
 Xia Xiaoyang  
 Yamada Yoshiyaki

**MEMBERSHIP**

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Yamagata Tomohiko  
Yoshida Michitoshi  
Young Judith Sharn  
Zamorano Jaime  
Zavatti Franco

Zeilinger Werner W  
Zepf Stephen Edward  
Zhang Xiaolei  
Zhang Yang  
Zheng Wei

Zhou Xu  
Zhou Youyuan  
Ziegler Harald  
Zinn Robert J

## Composition of Commission 29

## Stellar Spectra/Spectres stellaires

**President:** Barbuy Beatriz  
**Vice-President:** Mathys Gautier  
**Secretary:**  
**Organizing Committee:**

Cottrell Peter Ledsam  
 Gray David F  
 Heber Ulrich

Khokhlova Vers L  
 Lambert David L  
 Nissen Poul E

Peterson Ruth Carol  
 Sneden Christopher A

**Members:**

Abhyankar Krishna D  
 Abt Helmut A  
 Adelman Saul J  
 Aikman G Chris I  
 Ake Thomas Bellis  
 Alecian Georges  
 Aller Lawrence Hugh  
 Ambruster Carol  
 Andriolat Yvette  
 Appenzeller Immo  
 Arkharov Arkadi A  
 Artru Marie-Christine  
 Atac Tamer  
 Baade Dietrich  
 Baliunas Sallie L  
 Ballereau Dominique  
 Baratta Giovanni Battista  
 Basri Gibor B  
 Batalha Celso Correa  
 Bauer Wendy Hagen  
 Beckman John E  
 Bellas-Velidis Ioannis  
 Berger Jacques G  
 Bessell Michael S  
 Bikmaev Ilfan  
 Boesgaard Ann M  
 Boggess Albert  
 Bohlender David  
 Bond Howard E  
 Bonsack Walter K  
 Bopp Bernard W

Bouvier Jerome  
 Bouvier Pierre  
 Boyarchuk Alexander A  
 Brandi Elisande Estela  
 Breysacher Jacques  
 Brown Douglas Nason  
 Brown Paul James Frank  
 Bruhweiler Fred C  
 Bruning David H  
 Bues Irmela D  
 Burkhart Claude  
 Butler Keith  
 Carney Bruce William  
 Carpenter Kenneth G  
 Carter Bradley Darren  
 Cassatella Angelo  
 Castelli Fiorella  
 Catala Claude  
 Catalano Santo  
 Catchpole Robin M  
 Cayrel Roger  
 Cayrel de Strobel Giusa  
 Chavez-Dagostino Miguel  
 Cidale Lydia Sonia  
 Climenhaga John L  
 Coluzzi Regina  
 Conti Peter S  
 Corbally Christopher  
 Cornide Manuel  
 Cowley Anne P  
 Cowley Charles R

Crowther Paul  
 Cunha Katia  
 Damireli Neto Augusto  
 Dawanas Djoni N  
 de Araujo Francisco X  
 de Castro Elisa  
 de Groot Mart  
 Divan Lucienne  
 Doazan Vera  
 Dobronravin Peter  
 Dolidze Madona V  
 Dravins Dainis  
 Duncan Douglas Kevin  
 Dworetzky Michael M  
 Eenens Philippe  
 Faraggiana Rosanna  
 Feast Michael W  
 Felenbok Paul  
 Fernandez-Figueroa M J  
 Fitzpatrick Edward L  
 Floquet Michele  
 Foing Bernard H  
 Foy Renaud  
 Franchini Mariagrazia  
 Francois Patrick  
 Frandsen Soeren  
 Freire Ferrero Rubens G  
 Friedjung Michael  
 Friel Eileen D  
 Fujita Yoshio  
 Garcia Lopez Ramon J

- Garmany Catherine D  
 Garrison Robert F  
 Gautier Daniel  
 Gehren Thomas  
 Gerbaldi Michele  
 Gershberg R E  
 Gesicki Krzysztof  
 Ghosh Kajal Kumar  
 Giampapa Mark S  
 Gilra Daya P  
 Giovannelli Franco  
 Glagolevskij Juri V  
 Glushneva Irina N  
 Goebel John H  
 Grady Carol Anne  
 Gratton Raffaella G  
 Greenstein Jesse L  
 Griffin Rita E M  
 Griffin Roger F  
 Gustafsson Bengt  
 Guthrie Bruce N G  
 Hack Margherita  
 Hanuschik Reinhard  
 Harmer Charles F W  
 Harmer Dianne L  
 Hartmann Lee William  
 Hashimoto Osama  
 Hearnshaw John B  
 Heintze J R W  
 Henrichs Hubertus F  
 Herbig George H  
 Heske Astrid  
 Hessman Frederic Victor  
 Hill Grant  
 Hinkle Kenneth H  
 Hirai Masanori  
 Hirata Ryuko  
 Hoeflich Peter  
 Houk Nancy  
 Houziaux Leo  
 Hron Josef  
 Huang Changchung  
 Hubeny Ivan  
 Hubert-Delplace A -M  
 Hubrig Svetlana  
 Huenemoerder David P  
 Hunger Kurt  
 Hyland A R Harry  
 Izumiura Hideyuki  
 Jiang Shi-Yang  
 Johnson Hollis R  
 Jordan Carole  
 Joshi Suresh Chandra  
 Jugaku Jun  
 Keenan Philip C  
 Kipper Tonu  
 Kitchin Christopher R  
 Klochkova Valentina  
 Kodaira Keiichi  
 Kogure Tomokazu  
 Kolka Indrek  
 Kotnik-Karuzza Dubravka  
 Koubsky Pavel  
 Kovachev B J  
 Kraft Robert P  
 Krempec-Krygier Janina  
 Kwok Sun  
 Lago Maria Teresa V T  
 Lagrange Anne-Marie  
 Laird John B  
 Lamers Henny J G L M  
 Lamontagne Robert  
 Landstreet John D  
 Langer George Edward  
 Lanz Thierry  
 Le Contel Jean-Michel  
 Lebre Agnes  
 Leckrone David S  
 Leedjaerv Laurits  
 Lester John B  
 Levato Orlando Hugo  
 Liebert James W  
 Little-Marenin Irene R  
 Locanthi Dorothy Davis  
 Lopes Dalton De faria  
 Luck R Earle  
 Lundstrom Ingemar  
 Magain Pierre  
 Magazzu Antonio  
 Maillard Jean-Pierre  
 Maitzen Hans M  
 Malaroda Stella M  
 Marilli Ettore  
 Massey Philip L  
 McGregor Peter John  
 Mcnamara Delbert H  
 Megessier Claude  
 Mickaelian Areg Martin  
 Mikulasek Zdenek  
 Mishenina Tamara  
 Moffat Anthony F J  
 Molaro Paolo  
 Moos Henry Warren  
 Morossi Carlo  
 Morrison Nancy Dunlap  
 Napiwotzki Ralf  
 Neckel Heinz  
 Nicholls Ralph W  
 Niedzielski Andrzej  
 Niemela Virpi S  
 Nishimura Shiro Emer  
 Norris John  
 Nugis Tiit  
 Okazaki Atsuo T  
 Orlov Mikhail  
 Owocki Stanley Peter  
 Pagel Bernard E J  
 Parsons Sidney B  
 Parthasarathy M  
 Pasinetti Laura E  
 Pavlenko Yakov V  
 Pedoussaut Andre  
 Peery Benjamin F  
 Perrin Marie-Noel  
 Peters Geraldine Joan  
 Pilachowski Catherine  
 Pintado Olga Ines  
 Plavec Mirek J  
 Plez Bertrand  
 Polcaro V F  
 Polidan Ronald S  
 Praderie Francoise  
 Prinja Raman  
 Querci Francois R  
 Querci Monique  
 Rao N Kameswara  
 Rautela B S  
 Rebolo Rafael  
 Rego Fernandez M  
 Reimers Dieter  
 Ringelet Adela E  
 Rodgers Alex W  
 Rose James Anthony  
 Rossi Corinne  
 Rossi Lucio  
 Rutten Robert J  
 Ryan Sean Gerard  
 Sadakane Kozo  
 Sahade Jorge  
 Sanchez Almeida Jorge  
 Sanwal Basant Ballabh  
 Sareyan Jean-Pierre  
 Schild Rudolph E  
 Scholz Gerhard  
 Schroeder Klaus Peter  
 Seggewiss Wilhelm  
 Shore Steven N  
 Simon Theodore  
 Sinnerstad Ulf E  
 Slettebak Arne  
 Smalley Barry  
 Smith Graeme H  
 Smith Keith Colin  
 Smith Myron A  
 Smith Verne V



Snow Theodore P  
Soderblom David R  
Sonneborn George  
Sonti Sreedhar Rao  
Spite Francois M  
Spite Monique  
St-Louis Nicole  
Stalio Roberto  
Stawikowski Antoni  
Stecher Theodore P  
Steffen Matthias  
Stefl Stanislav  
Stencel Robert Edward  
Suntzeff Nicholas B  
Svolopoulos Sotirios  
Swensson John W  
Swings Jean-Pierre  
Takada-Hidai Masahide

Talavera A  
Thevenin Frederic  
Tomov Toma V  
Torrejon Jose Miguel  
Tuominen Ilkka V  
Underhill Anne B  
Utsumi Kazuhiko  
Valtier Jean-Claude  
van der Hucht Karel A  
van Winckel Hans  
van't Veer-Menneret Claude  
Vasu-Mallik Sushma  
Vilhu Osmi  
Viotti Roberto  
Vladilo Giovanni  
Vogt Nikolaus  
Vogt Steven Scott  
Vreux Jean Marie

Wahlgren Glenn Michael  
Wallerstein George  
Waterworth Michael  
Wegner Gary Alan  
Wehinger Peter A  
Weiss Werner W  
Weniger Schame  
Williams Peredur M  
Wing Robert F  
Wolf Bernhard  
Wolff Sidney C  
Wood H J  
Wyckoff Susan  
Yamashita Yasumasa  
Yoshioka Kazuo  
Zhao Gang  
Zorec Juan  
Zverko Juraj

## Composition of Commission 30

## Radial Velocities/Vitesses radiales

**President:** Hearnshaw John B  
**Vice-President:** Tokovinin Andrej A  
**Organizing Committee:**

Cochran William David  
 Fekel Francis C  
 Mazeh Tsevi

Morrell Nidia  
 Nordstroem Birgitta  
 Quintana Hernan

Scarfe Colin D  
 Stefanik Robert  
 Udry Stephane

**Members:**

Abt Helmut A  
 Andersen Johannes  
 Balona Luis Antero  
 Barbier-Brossat Madeleine  
 Batten Alan H  
 Beavers Willet I  
 Beers Timothy C  
 Boulon Jacques J  
 Breger Michel  
 Burki Gilbert  
 Burnage Robert  
 Carney Bruce William  
 Carquillat Jean-Michel  
 Crampton David  
 da Costa Luiz A N  
 Davis Marc  
 Davis Robert J  
 de Jonge J K  
 Dubath Pierre  
 Dufлот Marcelle  
 Edmondson Frank K  
 Eelsalu Heino  
 Fairall Anthony P  
 Fehrenbach Charles  
 Fletcher J Murray  
 Florsch Alphonse  
 Foltz Craig B  
 Freeman Kenneth C  
 Garcia Beatriz Elena  
 Georgelin Yvon P  
 Gilmore Gerard Francis  
 Giovanelli Riccardo

Gnedin Yuriy N  
 Gouguenheim Lucienne  
 Grenon Michel  
 Griffin Roger F  
 Halbwachs Jean Louis  
 Heintze J R W  
 Hewett Paul  
 Hilditch Ronald W  
 Hill Graham  
 Hrivnak Bruce J  
 Huang Changchung  
 Hube Douglas P  
 Hubrig Swetlana  
 Huchra John Peter  
 Imbert Maurice  
 Irwin Alan W  
 Kadouri Talib Hadi  
 Karachentsev Igor D  
 Kraft Robert P  
 Latham David W  
 Levato Orlando Hugo  
 Lewis Brian Murray  
 Lindgren Harri  
 Marschall Laurence A  
 Maurice Eric N  
 Mayor Michel  
 McClure Robert D  
 McMillan Robert S  
 Melnick Gary J  
 Mermilliod Jean-Claude  
 Meylan Georges  
 Missana Marco

Morbey Christopher L  
 Oetken L  
 Pedoussaut Andre  
 Pellegrini Paulo S S  
 Perry Charles L  
 Peterson Ruth Carol  
 Philip A G Davis  
 Popov Victor S  
 Preston George W  
 Prevot Louis  
 Rastorguev Alexey S  
 Ratnatunga Kavan U  
 Rebeiro Edith  
 Romanov Yuri S  
 Rubin Vera C  
 Samus Nikolai N  
 Sanwal N B  
 Scholz Gerhard  
 Smith Myron A  
 Solivella Gladys Rebecca  
 Stock Jurgen D  
 Suntzeff Nicholas B  
 Tonry John  
 van Dessel Edwin Ludo  
 Verschueren Werner  
 Walker Gordon A H  
 Wegner Gary Alan  
 Willstrop Roderick V  
 Yang Stephenson L S  
 Yoss Kenneth M

## Composition of Commission 31

## Time/L'Heure

**President:** Fukushima Toshio

**Vice-President:** Petit Gerard

**Organizing Committee:**

Backer Donald Ch  
Beutler Gerhard  
Brumberg Victor A  
Fliegel Henry F  
Leschiutta S

Luck John M  
Paquet Paul Eg  
Proverbio Edoardo  
Qi Guanrong  
Thomas Claudine

Veillet Christian  
Winkler Gernot M R  
Zhai Zaocheng

**Members:**

Abele Maris K  
Afanasjeva Praskovya M  
Allan David W  
Alley Carrol O  
Aoki Shinko  
Benavente Jose  
Bender Peter L  
Blinov Nikolai S  
Breakiron Lee Allen  
Carter William Eugene  
Catalan Manuel  
Chamberlain Joseph M  
Dehant Veronique  
Dickey Jean O'Brien  
Douglas R J  
Enslin Heinz  
Fallon Frederick W  
Feissel Martine  
Fujimoto Masa-Katsu  
Gaignebet Jean  
Gambis Daniel  
Granveaud Michel  
Grudler Pierre  
Guinot Bernard R  
Hall R Glenn  
Han Tianqi  
Hellwig Helmut Wilhelm

Hemmler Gerhard  
Hers Jan  
Iijima Shigetaka  
Ilyasov Yuri P  
Jin Wenjing  
Kakuta Chuichi  
Klepczynski William J  
Kolaczek Barbara  
Kovalevsky Jean  
Liang Zhonghuan  
Lieske Jay H  
Liu Jinming  
Lu Benkui  
Luo Dingchang  
Luo Shi-Fang  
Mathur B S  
Matsakis Demetrios N  
McCarthy Dennis D  
Meinig Manfred  
Melbourne William G  
Melchior Paul J  
Miao Yongrui  
Morgan Peter  
Mueller Ivan I  
Naumov Vitalij A  
Newhall X X  
Niimi Yukio

Noel Fernando  
Pilkington John D H  
Popelar Josef  
Pushkin Sergey B  
Ray James R  
Robertson Douglas S  
Schuler Walter  
Smith Humphry M  
Smylie Douglas E  
Song Jin'an  
Stanila George  
Tsuchiya Atsushi  
Vicente Raimundo O  
Webrova Ludmila  
Wilkins George A  
Wu Guichen  
Wu Shouxian  
Xu Bang-Xin  
Yang Ke-jun  
Yatskiv Ya S  
Ye Shuhua  
Zhang Jintong  
Zhao Gang  
Zheng Ying  
Zhuang Qixiang

## Composition of Commission 33

**Structure and Dynamics of the Galactic System/****Structure and dynamique du système galactique****President:** Freeman Kenneth C**Vice-President:** Spergel David N**Organizing Committee:**Binney James J  
Fridman Aleksey M  
Gerhard OrtwinGrindlay Jonathan E  
Kalnajs Agris J  
Matteucci FrancescaPalous Jan  
Perryman Michael A C  
Whitelock Patricia Ann**Members:**Aarseth Sverre J  
Adamson Andrew  
Afanas'ev Viktor L  
Agekjan Tateos A  
Aguilar Luis A Chiu  
Aizu Ko  
Altenhoff Wilhelm J  
Ambastha A K  
Andersen Johannes  
Antonov Vadim A  
Aoki Shinko  
Aparicio Antonio  
Ardeberg Arne L  
Astariadis Georgios  
Athanassoula Evangelia  
Bahcall John N  
Baier Frank  
Balazs Lajos G  
Balbus Steven A  
Baldwin John E  
Banhatti Dilip Gopal  
Barbanis Basil  
Barberis Bruno  
Bartasiute Stanislava  
Bash Frank N  
Basu Baidyanath  
Baud Boudewijn  
Becker Wilhelm  
Berkhuijsen Elly M  
Bienayme OlivierBlaauw Adriaan  
Blanco Victor M  
Blitz Leo  
Bloemen Johannes B G M  
Boulon Jacques J  
Brand Jan  
Bronfman Leonardo  
Burke Bernard F  
Burton W Butler  
Caldwell John A R  
Cane Hilary Vivien  
Carpintero Daniel Diego  
Carrasco Luis  
Caswell James L  
Cesarsky Catherine J  
Cesarsky Diego A  
Chapman Jessica  
Chen Li  
Chen Zhen  
Christodoulou Dmitris  
Churchwell Edward B  
Cincotta Pablo Miguel  
Ciurla Tadeusz  
Clemens Dan P  
Clube S V M  
Cohen Richard S  
Colin Jacques  
Comins Neil Francis  
Contopoulos George  
Costa EdgardoCourtes Georges  
Crampton David  
Crawford David L  
Creze Michel  
Cubarsi Rafael  
Cudworth Kyle Mccabe  
Cuperman Sami  
Davies Rodney D  
Dawson Peter  
de Jong Teije  
Dejonghe Herwig Bert  
Dekel Avishai  
Denoyelle Jozef Kic  
Dickel Helene R  
Dickel John R  
Dickman Robert L  
Dieter Conklin Nannielou H  
Djorgovski Stanislav  
Downes Dennis  
Drilling John S  
Ducati Jorge Ricardo  
Ducourant Christine  
Dzigvashvili R M  
Edmondson Frank K  
Efremov Yuri N  
Egret Daniel  
Einasto Jaan  
Elmegreen Debra Meloy  
Elsaesser Hans  
Evangelidis E

- Evans Wyn  
 Faber Sandra M  
 Fall S Michael  
 Feast Michael W  
 Fehrenbach Charles  
 Feitzinger Johannes  
 Fenkart Rolf P  
 Figueras Francesca  
 Fitzgerald M Pim  
 Flynn Chris  
 Fuchs Burkhard  
 Fujimoto Masa-Katsu  
 Fujiwara Takao  
 Fukunaga Masataka  
 Galletto Dionigi  
 Garzon Francisco  
 Gemmo Alessandra  
 Genkin Igor L  
 Genzel Reinhard  
 Georgelin Yvon P  
 Georgelin Yvonne M  
 Gilmore Gerard Francis  
 Goldreich Peter  
 Gomez Ana E  
 Gordon Mark A  
 Gottesman Stephen T  
 Grayzeck Edwin J  
 Grenon Michel  
 Gupta Sunil K  
 Gyldenkerne Kjeld  
 Habe Asao  
 Habing Harm J  
 Hakkila Jon Eric  
 Hamajima Kiyotoshi  
 Hanami Hitoshi  
 Hartkopf William I  
 Hawkins Michael R S  
 Hayli Avram  
 Heiles Carl  
 Henon Michel C  
 Herbst William  
 Herman Jacobus  
 Hernandez-Pajares Manuel  
 Hobbs Robert W  
 Hori Genichiro  
 Hozumi Shunsuke  
 Hron Josef  
 Huang Song-nian  
 Hughes Victor A  
 Hulsbosch A N M  
 Humphreys Roberta M  
 Hunter Christopher  
 Ikeuchi Satoru  
 Inagaki Shogo  
 Innanen Kimmo A  
 Isobe Syuzo  
 Israel Frank P  
 Iwaniszewska Cecylia  
 Iwanowska Wilhelmina  
 Iye Masanori  
 Jablonka Pascale  
 Jackson Peter Douglas  
 Jahreiss Hartmut  
 Jaschek Carlos O R  
 Jasniewicz Gerard  
 Jiang Dongrong  
 Joench-Soerensen Helge  
 Jog Chanda J  
 Johnson Hugh M  
 Jonas Justin Leonard  
 Jones Derek H P  
 Kalandadze N B  
 Kang Yong Hee  
 Kasumov Fikret K O  
 Kato Shoji  
 Kerr Frank J  
 Kharadze E K  
 King Ivan R  
 Kinman Thomas D  
 Klare Gerhard  
 Knapp Gillian R  
 Kolesnik Igor G  
 Kolesnik L N  
 Kormendy John  
 Kulsrud Russell M  
 Kutuzov Sergei A  
 Lafon Jean-Pierre J  
 Larson Richard B  
 Latham David W  
 Lecar Myron  
 Lee Hyung Mok  
 Lee Sang Gak  
 Leisawitz David  
 Li Jing  
 Liebert James W  
 Lin Chia C  
 Lindblad Per Olof  
 Lockman Felix J  
 Loden Kerstin R  
 Loden Lars Olof  
 Lu Phillip K  
 Lunel Madeleine  
 Lynden-Bell Donald  
 MacConnell Darrell J  
 Macrae Donald A  
 Manchester Richard N  
 Mark James Wai-Kee  
 Marochnik L S  
 Martinet Louis  
 Mathewson Donald S  
 Mavridis L N  
 Mayor Michel  
 McCarthy Martin F  
 McGregor Peter John  
 Meatheringham Stephen  
 Mennessier Marie-Odile  
 Mezger Peter G  
 Mikkola Seppo  
 Miller Richard H  
 Mirabel Igor Felix  
 Mirzoyan Ludwik V  
 Miyamoto Masanori  
 Moffat Anthony F J  
 Monet David G  
 Monnet Guy J  
 Morris Mark Root  
 Muench Guido  
 Murray C Andrew  
 Muzzio Juan C  
 Nahon Fernand  
 Namboodiri P M S  
 Neckel Th  
 Nelson Alistair H  
 Ninkovic Slobodan  
 Nishida Minoru  
 Nishida Mitsugu  
 Nordstroem Birgitta  
 Norman Colin A  
 Nuritdinov Salakhutdin  
 Oblak Edouard  
 Oh Kap-Soo  
 Oja Tarmo  
 Okuda Haruyuki  
 Olano Carlos Alberto  
 Ollongren A  
 Ostriker Jeremiah P  
 Palmer Patrick E  
 Pandey A K  
 Papayannopoulos Th  
 Pauls Thomas Albert  
 Peimbert Manuel  
 Perek Lubos  
 Perry Charles L  
 Pesch Peter  
 Petrovskaya Irina  
 Philip A G Davis  
 Pier Jeffrey R  
 Pismis de Recillas Paris  
 Polyachenko Valerij L  
 Polymilis Chronis  
 Price R Marcus  
 Priester Wolfgang  
 Rabolli Monica  
 Raharto Moedji  
 Ratnatunga Kavan U

- Rebeirot Edith  
 Reid Neill  
 Reif Klaus  
 Rich Robert Michael  
 Riegel Kurt W  
 Roberts Morton S  
 Roberts William W  
 Robin Annie C  
 Robinson Brian J  
 Rohlf's Kristen  
 Rong Jianxiang  
 Rubin Vera C  
 Ruelas-Mayorga R A  
 Ruiz Maria Teresa  
 Rybicki George B  
 Saar Enn  
 Sala Ferran  
 Sanchez-Saavedra M Luisa  
 Sandqvist Aage  
 Sanz I Subirana Jaime  
 Sargent Anneila I  
 Schechter Paul L  
 Schmidt Hans  
 Schmidt K H  
 Schmidt Maarten  
 Schmidt-Kaler Theodor  
 Seggewiss Wilhelm  
 Seimenis John  
 Sellwood Jerry A  
 Serabyn Eugene  
 Shane William W  
 Sharov A S  
 Sher David  
 Shimizu Tsutomu Emer  
 Shu Frank H  
 Simonson S Christian  
 Slettebak Arne  
 Sobouti Yousef  
 Solomon Philip M  
 Song Guoxuan  
 Soubiran Caroline  
 Sparke Linda  
 Spiegel E  
 Stecker Floyd W  
 Steinlin Uli  
 Stephenson C Bruce  
 Stibbs Douglas W N  
 Strobel Andrzej  
 Sturch Conrad R  
 Surdin Vladimir G  
 Svolopoulos Sotirios  
 Sygnet Jean Francois  
 Szebehely Victor G  
 Tammann Gustav Andreas  
 Terzides Charalambos  
 The Pik-Sin  
 Thielheim Klaus O  
 Thomas Claudine  
 Tinney Christopher  
 Tobin William  
 Tomisaka Kohji  
 Tong Yi  
 Toomre Alar  
 Toomre Juri  
 Torra Jordi  
 Tosa Makoto  
 Trefzger Charles F  
 Tsioumis Alexandros  
 Tsujimoto Takuji  
 Turon Catherine  
 Uppgren Arthur R  
 Valtonen Mauri J  
 van der Kruit Pieter C  
 van Woerden Hugo  
 Vandervoort Peter O  
 Vega E Irene  
 Venugopal V R  
 Vergne Maria Marcela  
 Verschuur Gerrit L  
 Vetesnik Miroslav  
 Voroshilov V I  
 Wachlin Felipe Carlos  
 Wayman Patrick A  
 Weaver Harold F  
 Weistrop Donna  
 Westerhout Gart  
 Westerlund Bengt E  
 White Raymond E  
 Whiteoak John B  
 Whittet Douglas C B  
 Wielebinski Richard  
 Wielen Roland  
 Woltjer Lodewijk  
 Woodward Paul R  
 Wouterloot Jan Gerard A  
 Wramdemark Stig S o  
 Wyse Rosemary F  
 Xiang Delin  
 Yamagata Tomohiko  
 Yoshii Yuzuru  
 Younis Saad M  
 Yuan Chi  
 Zachilas Loukas  
 Zhang Bin  
 Zhao Junliang

## Composition of Commission 34

## Interstellar Matter/Matière interstellaire

**President:** Dopita Michael A

**Vice-President:** Reipurth Bo

**Organizing Committee:**

Bachiller Rafael  
Burton Michael G  
Dyson John E  
Elmegreen Bruce Gordon  
Flower David R

Henning Thomas  
Kwok Sun  
Okuda Haruyuki  
Pineau des Forets Guillaume  
Raymond John Charles

Tenorio-Tagle Guillermo  
Torres-Peimbert Silvia  
van Dishoeck Ewine F  
Viegas Aldrovandi S M  
Wilson Thomas L

**Members:**

Aannestad Per Arne  
Acker Agnes  
Adams Fred  
Aiad A Zaki  
Aitken David K  
Akabane Kenji A  
Alcolea Javier  
Aller Lawrence Hugh  
Altenhoff Wilhelm J  
Anantharamaiah K R  
Andersson Bengt Goeran  
Andrillat Yvette  
Andronov Ivan  
Anglada Guillem  
Arkipova Vesa P  
Arny Thomas T  
Arthur Jane  
Avery Lorne W  
Axford W Ian  
Azcarate Ismael N  
Baars Jacob W M  
Baart Edward E  
Baldwin John E  
Baluteau Jean-Paul  
Bania Thomas Michael  
Barlow Michael J  
Barnes Aaron  
Bash Frank N  
Baudry Alain  
Becklin Eric E  
Beckman John E

Beckwith Steven V W  
Bedogni Roberto  
Benaydoun Jean-Jacques  
Bergeron Jacqueline A  
Bergman Per-Goeran  
Berkhuijsen Elly M  
Bernat Andrew Plous  
Bertout Claude  
Bhatt H C  
Bianchi Luciana  
Bieging John Harold  
Bignell R Carl  
Binette Luc  
Birkle Kurt  
Black John Harry  
Blades John Chris  
Blair Guy Norman  
Blair William P  
Bless Robert C  
Blitz Leo  
Bloemen Johannes B G M  
Bobrowsky Matthew  
Bochkarev Nikolai G  
Bode Michael F  
Bodenheimer Peter  
Boeshaar Gregory Orth  
Boggess Albert  
Bohlin Ralph C  
Boisse Patrick  
Boland Wilfried  
Borgman Jan

Boulanger Francois  
Bouvier Jerome  
Brand Jan  
Brand Peter W J I  
Braunsfurth Edward  
Breitschwerdt Dieter  
Brinkmann Wolfgang  
Bromage Gordon E  
Brouillet Nathalie  
Brown Ronald D  
Bruhweiler Fred C  
Bryce Myfanwy  
Bujarrabal Valentin  
Burgess Alan  
Burke Bernard F  
Burton W Butler  
Bystrova Natalija V  
Bzowski Maciej  
Canto Jorge  
Caplan James  
Cappa de Nicolau Cristina  
Capriotti Eugene R  
Capuzzo Dolcetta Roberto  
Carruthers George R  
Castaneda Hector  
Caswell James L  
Cecchi-Pellini Cesare  
Centurion Martin Miriam  
Cernicharo Jose  
Cerruti'sola Monica  
Cersosimo Juan Carlos

- Cesarsky Catherine J  
 Cesarsky Diego A  
 Chandra Suresh  
 Chen Yang  
 Cheng Kwang Ping  
 Chevalier Roger A  
 Chini Rolf  
 Chopinet Marguerite  
 Chu You-Hua  
 Churchwell Edward B  
 Ciardullo Robin  
 Clark Frank Oliver  
 Clegg Robin E S  
 Code Arthur D  
 Cohen Marshall H  
 Colangeli Luigi  
 Collin-Souffrin Suzy  
 Colomb Fernando R  
 Combes Francoise  
 Corbelli Edvige  
 Costero Rafael  
 Courtes Georges  
 Cowie Lennox Lauchlan  
 Cox Donald P  
 Cox Pierre  
 Coyne George V  
 Crane Philippe  
 Crawford Ian Andrew  
 Crovisier Jacques  
 Cruvellier Paul E  
 Cudaback David D  
 Cugnon Pierre  
 Czyzak Stanley J  
 Dahn Conard Curtis  
 Dalgarno Alexander  
 Danks Anthony C  
 Danly Laura  
 Davies Rodney D  
 Davis Jonathan Ivor  
 de Almeida Amaury A  
 de Boer Klaas Sjoerds  
 de Gouveia Dal Pino E M  
 de Jong Teije  
 de la Noe Jerome  
 Deguchi Shuji  
 Deharveng Lise  
 Deiss Bruno M  
 Dennefeld Michel  
 Dewdney Peter E F  
 d'Hendecourt Louis  
 Dickel Helene R  
 Dickel John R  
 Dickey John M  
 Di Fazio Alberto  
 Dinerstein Harriet L  
 Disney Michael J  
 d'Odorico Sandro  
 Dokuchaev Vyacheslav I  
 Dokuchaeva Olga D  
 Donn Bertram D  
 Dorschner Johann  
 Dottori Horacio A  
 Downes Dennis  
 Draine Bruce T  
 Drapatz Siegfried W  
 Dreher John W  
 Dubner Gloria  
 Dubout Renee  
 Dufour Reginald James  
 Duley Walter W  
 Dupree Andrea K  
 Duvert Gilles  
 Dwek Eli  
 Elitzur Moshe  
 Elliott Kenneth H  
 Elmegreen Debra Meloy  
 Elvius Aina M  
 Emerson James P  
 Encrenaz Pierre J  
 Escalante Vladimir  
 Esipov Valentin F  
 Esteban Lopez Cesara  
 Evans Aneurin  
 Evans Neal J  
 Falgarone Edith  
 Falk Sydney W  
 Falle Samuel A  
 Fan Ying  
 Faulkner Donald J  
 Federman Steven Robert  
 Feibelman Walter A  
 Feitzinger Johannes  
 Felli Marcello  
 Felten James E  
 Ferlet Roger  
 Ferrini Federico  
 Fesen Robert A  
 Fiebig Dirk  
 Field David  
 Field George B  
 Fierro Julieta  
 Fischer Jacqueline  
 Flannery Brian Paul  
 Fleck Robert Charles  
 Ford Holland C Res  
 Forster James Richard  
 Fridlund Malcolm  
 Friedemann Christian  
 Frisch Priscilla  
 Fuente Asuncion  
 Fukui Yasuo  
 Furniss Ian  
 Gardner Francis F  
 Garnett Donald Roy  
 Gaustad John E  
 Gay Jean  
 Geballe Thomas R  
 Gehrels Tom  
 Genzel Reinhard  
 Georgelin Yvon P  
 Gerard Eric  
 Gerin Maryvonne  
 Gerola Humberto  
 Gezari Daniel Ysa  
 Ghanbari Jamshid  
 Giacani Elsa Beatriz  
 Gilra Daya P  
 Giovanelli Riccardo  
 Godfrey Peter Douglas  
 Goebel John H  
 Goldes Guillermo Victor  
 Goldreich Peter  
 Goldsmith Donald W  
 Goldstein Samuel J  
 Goldsworthy Frederick A  
 Golovatyj Volodymyr  
 Gomez Gonzalez Jesus  
 Gonzales-Alfonso Eduardo  
 Goodman Alyssa Ann  
 Gordon Courtney P  
 Gordon Mark A  
 Gosachinskij Igor V  
 Goss W Miller  
 Graham David A  
 Grasdalen Gary L  
 Greidel Roland  
 Greenberg J Mayo  
 Gregorio-Hetem Jane  
 Grewing Michael  
 Guelin Michel  
 Guertler Joachim  
 Guesten Rolf  
 Gull Theodore R  
 Gurzadian Grigor A  
 Guseinov O H  
 Habing Harm J  
 Hackwell John A  
 Hanami Hitoshi  
 Hardebeck Ellen G  
 Harrington J Patrick  
 Harris Alan William  
 Harris Stella  
 Harten Ronald H  
 Hartl Herbert  
 Hartquist Thomas Wilbur



- Harvey Paul Michael  
 Hayashi Saeko S  
 Haynes Raymond F  
 Hecht James H  
 Heiles Carl  
 Hein Righini Giovanna  
 Helfer H Lawrence  
 Helou George  
 Henkel Christian  
 Henney William John  
 Herbstmeier Uwe  
 Herzberg Gerhard  
 Heydari-Malayeri Mohammad  
 Hidayat Bambang  
 Higgs Lloyd A  
 Hildebrand Roger H  
 Hippelein Hans H  
 Hirano Naomi  
 Hiromoto Norihisa  
 Hjalmarson Ake G  
 Hjellming Robert M  
 Hobbs Lewis M  
 Hoeglund Bertil  
 Hollenbach David John  
 Hollis Jan Michael  
 Hong Seung Soo  
 Houziaux Leo  
 Hovhannessian Rafik  
 Hua Chon Trung  
 Huggins Patrick J  
 Hughes Victor A  
 Hulsbosch A N M  
 Hutchings John B  
 Hutsemekers Damien  
 Hyung Siek  
 Irvine William M  
 Isobe Syuzo  
 Israel Frank P  
 Issa Issa Aly  
 Itoh Hiroshi  
 Iyengar K V K  
 Jabir Niama Lafta  
 Jacoby George H  
 Jacq Thierry  
 Jaffe Daniel T  
 Jenkins Edward B  
 Jenkins Louise F  
 Jennings R E  
 Johnson Fred M  
 Johnson Hugh M  
 Johnston Kenneth J  
 Jones Frank Culver  
 Jourdain de Muizon M  
 Jura Michael  
 Just Andreas  
 Kafatos Minas  
 Kaftan May A  
 Kahn Franz D  
 Kaifu Norio  
 Kaler James B  
 Kamijo Fumio  
 Kazes Ilya  
 Keene Jocelyn Betty  
 Kegel Wilhelm H  
 Kennicutt Robert C  
 Kerr Frank J  
 Kharadze E K  
 Khromov Gavriil S  
 Kimura Hiroshi  
 Kimura Toshiya  
 King David Leonard  
 Kirkpatrick Ronald C  
 Kirshner Robert Paul  
 Knacke Roger F  
 Knapp Gillian R  
 Knude Jens Kirkeskov  
 Koempe Carsten  
 Koeppen Joachim  
 Kohoutek Lubos  
 Koike Chiyo  
 Kolesnik Igor G  
 Kondo Yoji  
 Koornneef Jan  
 Kostyakova Elena B  
 Kozasa Takashi  
 Krautter Joachim  
 Kravchuk Sergei  
 Kreysa Ernst  
 Krishna Swamy K S  
 Kuiper Thomas B H  
 Kumar C Krishna  
 Kundu Mukul R  
 Kunth Daniel  
 Kunze Ruediger  
 Kutner Marc Leslie  
 Kwitter Karen Beth  
 Kylafis Nikolaos D  
 Lada Charles Joseph  
 Lafon Jean-Pierre J  
 Langer William David  
 Lasker Barry M  
 Latter William B  
 Laureijs Rene J  
 Laurent Claudine  
 Le Squeren Anne-Marie  
 Lee Terence J  
 Leger Alain  
 Leisawitz David  
 Lepine Jacques R D  
 Lequeux James  
 Leto Giuseppe  
 Leung Chun Ming  
 Likkel Lauren Jones  
 Liller William  
 Lin Chia C  
 Linke Richard Alan  
 Lis Dariusz C  
 Liseau Rene  
 Liszt Harvey Steven  
 Lizano-Soberon Susana  
 Lo Kwok-Yung  
 Lockman Felix J  
 Lopez Jose Alberto  
 Loren Robert Bruce  
 Lortet Marie Claire  
 Louise Raymond  
 Lovas Francis John  
 Low Frank J  
 Lozinskaya Tat-yana A  
 Lucas Robert  
 Luo Shaoguang  
 Lynds Beverly T  
 Mac Low Mordecai-Mark  
 Maciel Walter J  
 MacLeod John M  
 Maihara Toshinori  
 Mallik D C V  
 Mampaso Antonio  
 Manchado Arturo  
 Manchester Richard N  
 Manfroid Jean  
 Marston Anthony Philip  
 Martin Peter G  
 Martin Robert N  
 Martin-Pintado Jesus  
 Masson Colin R  
 Mather John Cromwell  
 Mathews William G  
 Mathewson Donald S  
 Mathis John S  
 Matsuhara Hideo  
 Matsumura Masafumi  
 Mattila Kalevi  
 Mauersberger Rainer  
 McCall Marshall Lester  
 McCray Richard  
 McCrea J Dermott  
 McGee Richard X  
 McGregor Peter John  
 McKee Christopher F  
 McNally Derek  
 Meaburn John  
 Mebold Ulrich  
 Mehninger David Michael  
 Meier Robert R

- Mellema Garrelt  
 Melnick Gary J  
 Mendez Roberto H  
 Mennella Vito  
 Menon T K  
 Menzies John W  
 Meszaros Peter  
 Mezger Peter G  
 Millar Thomas J  
 Miller Joseph S  
 Milne Douglas K  
 Minin Igor N  
 Minn Young Key  
 Mitchell George F  
 Miyama Syoken  
 Mizuno Shun  
 Mo Jing-er  
 Monin Jean-louis  
 Montmerle Thierry  
 Moreno Corral Marco A  
 Morgan David H  
 Morimoto Masaki  
 Morris Mark Root  
 Morton Donald C  
 Mouschovias Telemachos Ch  
 Muench Guido  
 Mufson Stuart Lee  
 Murthy Jayant  
 Myers Philip C  
 Nagata Tetsuya  
 Nakada Yoshikazu  
 Nakagawa Takao  
 Nakamoto Taishi  
 Nakano Makoto  
 Nakano Takenori  
 Nandy Kashinath  
 Neugebauer Gerry  
 Nguyen-Quang Rieu  
 Nishi Ryoichi  
 Nordh Lennart H  
 Norman Colin A  
 Nulsen Paul  
 Nussbaumer Harry  
 Nuth Joseph A III  
 O'Dell Charles R  
 O'Dell Stephen L  
 Ohtani Hiroshi  
 Olofsson Hans  
 Omont Alain  
 Onaka Takashi  
 Onello Joseph S  
 Opendak Michael  
 Osaki Toru  
 Osborne John L  
 Osterbrock Donald E  
 Ozernoy Leonid M  
 Pagano Isabella  
 Pagel Bernard E J  
 Palla Francesco  
 Palmer Patrick E  
 Panagia Nino  
 Pankonin Vernon Lee  
 Parker Eugene N  
 Parthasarathy M  
 Pauls Thomas Albert  
 Pecker Jean-Claude  
 Peimbert Manuel  
 Pena Miriam  
 Pendleton Yvonne Jean  
 Penzias Arno A  
 Pequignot Daniel  
 Perault Michel  
 Perinotto Mario  
 Persi Paolo  
 Peters William L III  
 Petrosian Vahe  
 Petuchowski Samuel J  
 Phillips John Peter  
 Phillips Thomas Gould  
 Pismis de Recillas Paris  
 Poepfel Wolfgang G I  
 Pollacco Don  
 Pongracic Helen  
 Porceddu Ignazio E P  
 Pottasch Stuart R  
 Pouquet Annick  
 Prasad Sheo S  
 Preite-Martinez Andrea  
 Price R Marcus  
 Pronik I I  
 Prusti Timo  
 Pskovskij Juri P  
 Puget Jean-Loup  
 Qin Zhihai  
 Radhakrishnan V  
 Raimond Ernst  
 Ratag Mezak Arnold  
 Rawlings Jonathan  
 Rengarajan T N  
 Reynolds Ronald J  
 Rickard Lee J  
 Robbins R Robert  
 Roberge Wayne G  
 Roberts William W  
 Robinson Brian J  
 Robinson Garry  
 Roche Patrick F  
 Rodriguez Luis F  
 Roelfsema Peter  
 Roeser Hans-peter  
 Roger Robert S  
 Rogers Alan E E  
 Rohlf's Kristen  
 Rosa Michael Richard  
 Rosado Margarita  
 Rose William K  
 Rouan Daniel  
 Roxburgh Ian W  
 Rozhkovskij Dimitrij A  
 Rozyczka Michal  
 Rubin Robert Howard  
 Russell Stephen  
 Sabano Yutaka  
 Sabbadin Franco  
 Sahu Kailash C  
 Salinari Piero  
 Salpeter Edwin E  
 Salter Christopher John  
 Sanchez-Saavedra M Luisa  
 Sancisi Renzo  
 Sandell Goran Hans I  
 Sandqvist Aage  
 Sarazin Craig L  
 Sargent Anneila I  
 Sarma N V G  
 Sato Fumio  
 Sato Shuji  
 Savage Blair D  
 Savedoff Malcolm P  
 Scalo John Michael  
 Scappini Flavio  
 Scarrott Stanley M  
 Schatzman Evry  
 Scherb Frank  
 Scheuer Peter A G  
 Schmid-Burgk J  
 Schmidt Thomas  
 Schmidt-Kaler Theodor  
 Schultz G V  
 Schulz Rolf Andreas  
 Schwartz Philip R  
 Schwartz Richard D  
 Schwarz Ulrich J  
 Scott Eugene Howard  
 Scoville Nicholas Z  
 Seaton Michael J  
 Seki Munezo  
 Sellgren Kristen  
 Shane William W  
 Shao Cheng-yuan  
 Shapiro Stuart L  
 Sharpless Stewart  
 Shaver Peter A  
 Shawl Stephen J  
 Shcheglov P V

- Shematovich Valery I  
 Sherwood William A  
 Shields Gregory A  
 Shmeld Ivar  
 Shu Frank H  
 Shull John Michael  
 Shull Peter Otto  
 Shustov Boris M  
 Silberberg Rein  
 Silich Sergey  
 Silk Joseph I  
 Silvestro Giovanni  
 Simons Stuart  
 Singh Patan Deen  
 Sitko Michael L  
 Sivan Jean-Pierre  
 Skilling John  
 Skulskij Mychajlo Y  
 Sloan Gregory Clayton  
 Smith Barham W  
 Smith Craig H  
 Smith Michael  
 Smith Peter L  
 Smith Robert G  
 Snell Ronald L  
 Snow Theodore P  
 Sobolev Andrej M  
 Sobolev V V  
 Sofia Sabatino  
 Sofue Yoshiaki  
 Solc Martin  
 Solomon Philip M  
 Somerville William B  
 Stahler Steven W  
 Stanga Ruggero  
 Stanghellini Letizia  
 Stasinska Grazyna  
 Stecher Theodore P  
 Stecklum Bringfried  
 Stenholm Bjoern  
 Stenholm Lars  
 Stone James McLellan  
 Strom Richard G  
 Suh Kyung-Won  
 Sun Jin  
 Suzuki Yoshimasa  
 Swade Daryl Allen  
 Sylvester Roger  
 Szczerba Ryszard  
 Takakubo Keiya  
 Takano Toshiaki  
 Tamura Motohide  
 Tamura Shin'ichi  
 Tanaka Masuo  
 Taylor Kenneth N R  
 Terzian Yervant  
 Thaddeus Patrick  
 The Pik-Sin  
 Thompson A Richard  
 Thonnard Norbert  
 Thronson Harley Andrew  
 Tokarev Yuriy V  
 Torrelles Jose M  
 Tosi Monica  
 Townes Charles Hard  
 Treffers Richard R  
 Turner Barry E  
 Turner Kenneth C  
 Ulrich Marie-Helene D  
 Urasin Lirik A  
 van de Hulst H C  
 van der Hulst Jan M  
 van der Laan Harry  
 van Gorkom Jacqueline H  
 van Woerden Hugo  
 Vanden Bout Paul A  
 Varshalovich Dimitrij  
 Verschuur Gerrit L  
 Viala Yves  
 Viallefond Francois  
 Vidal Jean-Louis  
 Vidal-Madjar Alfred  
 Visvanathan Natarajan  
 Vogel Manfred  
 Volk Kevin  
 Voshchinnikov Nicolai  
 Vrba Frederick J  
 Wakker Bastiaan Pieter  
 Waldhausen Silvia  
 Walker Gordon A H  
 Walmsley C Malcolm  
 Walton Nicholas A  
 Wang Junjie  
 Wannier Peter Gregory  
 Watt Graeme David  
 Weaver Harold F  
 Weiler Kurt W  
 Weinberger Ronald  
 Weisheit Jon C  
 Wendker Heinrich J  
 Wesselius Paul R  
 Weymann Ray J  
 White Glenn J  
 White Richard L  
 Whitelock Patricia Ann  
 Whiteoak John B  
 Whittet Douglas C B  
 Whitworth Anthony Peter  
 Wickramasinghe N C  
 Williams David A  
 Williams Robert E  
 Williams Robin  
 Willis Allan J  
 Willner Steven Paul  
 Wilson Christine  
 Wilson Robert W  
 Winnberg Anders  
 Winnewisser Gisbert  
 Witt Adolf N  
 Wolfire Mark Guy  
 Wolstencroft Ramon D  
 Wolszczan Alexander  
 Woltjer Lodewijk  
 Wood Douglas O S  
 Woodward Paul R  
 Woolf Neville J  
 Wootten Henry Alwyn  
 Wouterloot Jan Gerard A  
 Wright Edward L  
 Wu Chi Chao  
 Wynn-Williams C G  
 Xiang Delin  
 Yabushita Shin A  
 Yamamoto Satoshi  
 Yamashita Takuya  
 Yan Jun  
 Yang Ji  
 York Donald G  
 Yorke Harold W  
 Yoshida Shigeomi  
 Younis Saad M  
 Zavagno Annie  
 Zealey William J  
 Zeilik Michael Ii  
 Zeng Qin  
 Zhang Cheng-Yue  
 Zhou Zhenpu  
 Zimmermann Helmut  
 Zuckerman Ben M

## Composition of Commission 35

## Stellar Constitution/Constitution des étoiles

**President:** Zahn Jean-Paul

**Vice-President:** Vandenberg Don

**Organizing Committee:**

Canal Ramon M  
Chiosi Cesare S  
Dziembowski Wojciech  
Guzik Joyce Ann

Meynet Georges  
Michaud Georges J  
Renzini Alvio  
Saio Hideyuki

Tutukov A V  
Vauclair Gerard P

**Members:**

Adams Mark T  
Aiad A Zaki  
Aizenman Morris L  
Anand S P S  
Angelov Trajko  
Antia H M  
Appenzeller Immo  
Arai Kenzo  
Arimoto Nobuo  
Arnett W David  
Arnould Marcel L  
Audouze Jean  
Baglin Annie  
Baker Norman H  
Baym Gordon Alan  
Beaudet Gilles  
Becker Stephen A  
Belmonte Aviles J A  
Benz Willy  
Berthomieu Gabrielle  
Bisnovatyi-Kogan Grennadij S  
Bludman Sidney A  
Bocchia Romeo  
Bodenheimer Peter  
Boehm Karl-Heinz  
Bondi Hermann  
Bono Giuseppe  
Boss Alan P  
Bravo Eduardo  
Brownlee Robert R  
Bruenn Stephen W  
Buchler J Robert

Burbidge Geoffrey R  
Callebaut Dirk K  
Caloi Vittoria  
Cameron Alastair G W  
Caputo Filippina  
Carson T R  
Castellani Vittorio  
Castor John I  
Caughlan Georgeanne R  
Chan Kwing Lam  
Chan Roberto  
Chechetkin Valerij M  
Chevalier Claude  
Chitre Shashikumar M  
Chkhikvadze Iakob N  
Christensen-Dalsgaard J  
Christy Robert F  
Cohen Jeffrey M  
Connolly Leo Paul  
Cowan John J  
D'Antona Francesca  
Das Mrinal Kanti  
Davis Cecil G  
de Greve Jean-Pierre  
de Jager Cornelis  
de Loore Camiel  
de Medeiros Jose Renan  
Dearborn David Paul K  
Deinzer W  
Deliyannis Constantine P  
Demarque Pierre  
Denissenkov Pavel

Despain Keith Howard  
Deupree Robert G  
Dluzhnevskaya Olga B  
Durisen Richard H  
Edwards Alan Ch  
Edwards Terry W  
Eggleton Peter P  
Eminzade T A  
Endal Andrew S  
Ergma E V  
Eriguchi Yoshiharu  
Ezer-Eryurt Dilhan  
Fadeyev Yuri A  
Faulkner Donald J  
Faulkner John  
Flannery Brian Paul  
Fontaine Gilles  
Forbes J E  
Forestini Manuel  
Fossat Eric  
Foukal Peter V  
Frantsman Yu L  
Fujimoto Masayuki  
Gabriel Maurice R  
Gallino Roberto  
Garcia Domingo  
Gautschy Alfred  
Geroyannis Vassilis S  
Giannone Pietro  
Gimenez Alvaro  
Gingold Robert Arthur  
Giridhar Sunetra

- Glatzmaier Gary A  
 Gong Shumo  
 Gough Douglas O  
 Goupil Marie Jose  
 Graham Eric  
 Greggio Laura  
 Guenther David  
 Gurm Hardev S  
 Hachisu Izumi  
 Hammond Gordon L  
 Han Zhanwen  
 Hashimoto Masa-aki  
 Hayashi Chushiro  
 Henry Richard B C  
 Hernanz Margarita  
 Hilf Eberhard R H  
 Hitotsuyanagi Juichi  
 Hollowell David Earl  
 Hoshi Rejun  
 Hoyle Fred  
 Huang Runqian  
 Huggins Patrick J  
 Humphreys Roberta M  
 Iben Icko  
 Iliev Ilian  
 Imbroane Alexandru  
 Imshennik Vladimir S  
 Isaak George R  
 Isern Jorge  
 Ishizuka Toshihisa  
 Itoh Naoki  
 James Richard A  
 Kaehler Helmuth  
 Kaminishi Keisuke  
 Kato Mariko  
 Khozov Gennadij V  
 Kiguchi Masayoshi  
 King David S  
 Kippenhahn Rudolf  
 Kiziloglu Nilguen  
 Knoelker Michael  
 Kochhar R K  
 Koester Detlev  
 Kosovichev Alexander  
 Kovetz Attay  
 Kozlowski Maciej  
 Kumar Shiv S  
 Kushwaha R S  
 Kwok Sun  
 Labay Javier  
 Lamb Susan Ann  
 Lamb Donald Quincy  
 Langer Norbert  
 Lapuente Pilar Ruiz  
 Larson Richard B  
 Laskarides Paul G  
 Lasota Jean-Pierre  
 Latour Jean J  
 Lattanzio John  
 Lebovitz Norman R  
 Lebreton Yveline  
 Lee Thyphoon  
 Lepine Jacques R D  
 Li Zongwei  
 Liebert James W  
 Linnell Albert P  
 Littleton John E  
 Livio Mario  
 Luo Guoquan  
 Maeder Andre  
 Maheswaran Murugesapillai  
 Mallik D C V  
 Marx Gyorgy  
 Masani A  
 Masevich Alla G  
 Matteucci Francesca  
 Mazurek Thaddeus John  
 Mazzitelli Italo  
 McCrea J Dermott  
 Melik-Alaverdian Yu  
 Mestel Leon  
 Meyer-Hofmeister Eva  
 Mitalas Romas Assoc  
 Miyaji Shigeki  
 Moellenhoff Claus  
 Mohan Chander  
 Monaghan Joseph J  
 Monier Richard  
 Moore Daniel R  
 Morgan John Adrian  
 Morris Stephen C  
 Moskalik Pawel  
 Moss David L  
 Mueller Ewald  
 Nadyozhin Dmitris K  
 Nakamura Takashi  
 Nakano Takenori  
 Nakazawa Kiyoshi  
 Narasimha Delampady  
 Narita Shinji  
 Newman Michael John  
 Nishida Minoru  
 Noels Arlette  
 Nomoto Ken'ichi  
 Odell Andrew P  
 Ohyama Noboru  
 Okamoto Isao  
 Osaki Yoji  
 Ostriker Jeremiah P  
 Oswald Terry D  
 Paczynski Bohdan  
 Pamyatnikh Alexsey A  
 Pande Girish Chandra  
 Papaloizou John C B  
 Pearce Gillian  
 Phillips Mark M  
 Pines David  
 Pinotsis Antonis D  
 Plavec Mirek J  
 Pongracic Helen  
 Porfir'ev Vladimir V  
 Poveda Arcadio  
 Prentice Andrew J R  
 Prialnik-Kovetz Dina  
 Proffitt Charles R  
 Provost Janine  
 Qu Qinyue  
 Raedler K H  
 Ramadurai Souriraja  
 Ray Alak  
 Rayet Marc  
 Reeves Hubert  
 Reiz Anders  
 Ritter Hans  
 Rood Robert T  
 Rouse Carl A  
 Roxburgh Ian W  
 Ruben G  
 Sackmann Ingrid Juliana  
 Sadollah Nasiri Gheidari  
 Sakashita Shiro  
 Salpeter Edwin E  
 Santos Filipe D  
 Sato Katsuhiko  
 Savedoff Malcolm P  
 Savonije Gerrit Jan  
 Scalo John Michael  
 Schatten Kenneth H  
 Schatzman Evry  
 Schild Hansruedi  
 Schoenberner Detlef  
 Schramm David N  
 Schutz Bernard F  
 Scuffleire Richard  
 Sears Richard Langley  
 Seidov Zakir F  
 Sengbusch Kurt V  
 Shaviv Giora  
 Shibahashi Hiromoto  
 Shibata Yukio  
 Shustov Boris M  
 Sienkiewicz Ryszard  
 Signore Monique  
 Silvestro Giovanni  
 Sion Edward Michael

Smeyers Paul  
Smith Robert Connon  
Sobouti Yousef  
Sofia Sabatino  
Souffrin Pierre B  
Sparks Warren M  
Spiegel E  
Sreenivasan S Ranga  
Starrfield Sumner  
Stellingwerf Robert F  
Stibbs Douglas W N  
Strittmatter Peter A  
Suda Kazuo  
Sugimoto Daiichiro  
Sweet Peter A  
Swewart Allen V  
Taam Ronald Everett  
Takahara Mariko  
Tassoul Monique  
Thielemann Friedrich-Karl  
Thomas Hans -Christoph  
Tjin-a-Djie Herman R E  
Tohline Joel Edward  
Toomre Juri  
Trimble Virginia L  
Truran James W  
Tscharnuter Werner M  
Tuominen Ilkka V  
Turck-Chieze Sylvaine  
Uchida Juichi  
Ulrich Roger K  
Unno Wasaburo  
Uus Undo  
van den Heuvel Edward P J  
van Der Borght Rene  
van der Raay Herman B  
van Horn Hugh M  
van Riper Kenneth A  
Vardya M S  
Vila Samuel C  
Vilhu Osmi  
Vilkoviskij Emmanuil Y  
Ward Richard A  
Weaver Thomas A  
Webbink Ronald F  
Weiss Achim  
Weiss Nigel O  
Wheeler J Craig  
Willson Lee Anne  
Wilson Robert E  
Winkler Karl-Heinz A  
Wood Matthew Alan  
Wood Peter R  
Woosley Stanley E  
Xiong Darun  
Yamaoka Hitoshi  
Yorke Harold W  
Yungelson Lev R  
Zhevakin S A  
Ziolkowski Janusz

## Composition of Commission 36

## Theory of Stellar Atmospheres/Théorie des atmosphères stellaires

**President:** Pallavicini Roberto

**Vice-President:** Dravins Dainis

**Organizing Committee:**

Barbuy Beatriz  
Cram Lawrence Edward  
Hubeny Ivan

Owocki Stanley Peter  
Saio Hideyuki  
Sasselov Dimitar D

Spite Monique  
Stepien Kazimierz

**Members:**

Abbott David C  
Abhyankar Krishna D  
Aller Lawrence Hugh  
Altrock Richard C  
Arpigny Claude  
Athay R Grant  
Auer Lawrence H  
Auman Jason R  
Avrett Eugene H  
Baade Dietrich  
Baird Scott R  
Baliunas Sallie L  
Balona Luis Antero  
Baschek Bodo  
Basri Gibor B  
Becker Sylvia  
Bell Roger A  
Bernat Andrew Plous  
Bertout Claude  
Blanco Carlo  
Bless Robert C  
Blomme Ronny  
Bodo Gianluigi  
Boehm Karl-Heinz  
Boehm-Vitense Erika  
Boesgaard Ann M  
Bopp Bernard W  
Bowen George H  
Brown Alexander  
Brown Douglas Nason  
Bues Irmela D  
Carbon Duane F  
Carlsson Mats

Carson T R  
Cassinelli Joseph P  
Castor John I  
Catala Claude  
Catalano Francesco A  
Catalano Santo  
Cayrel Roger  
Cayrel de Strobel Giusa  
Chan Kwing Lam  
Chen Peisheng  
Chugai Nikolai N  
Cidale Lydia Sonia  
Conti Peter S  
Cowley Charles R  
Crivellari Lucio  
Cugier Henryk  
Cuntz Manfred  
Cuny Yvette J  
Davis Cecil G  
Dimitrijevic Milan  
Doazan Vera  
Domke Helmut  
Donati Jean-Francois  
Doyle John Gerard  
Drake Stephen A  
Dufton Philip L  
Dupree Andrea K  
Edvardsson Bengt  
Elste Gunther H  
Eriksson Kjell  
Evangelidis E  
Faraggiana Rosanna  
Faurobert-Scholl Marianne

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Fontaine Gilles  
Fontenla Juan Manuel  
Foy Renaud  
Freire Ferrero Rubens G  
Friend David B  
Frisch Helene  
Frisch Uriel  
Froeschle Christiane D  
Gail Hans-Peter  
Gallino Roberto  
Gebbie Katharine B  
Gesicki Krzysztof  
Giampapa Mark S  
Gigas Detlef  
Glebocki Robert  
Gokdogan Nuzhet  
Gonzales Jean-Francois  
Gordon Charlotte  
Gough Douglas O  
Grant Ian P  
Gray David F  
Greenstein Jesse L  
Grevesse Nicolas  
Grinin Vladimir P  
Gussmann E A  
Gustafsson Bengt  
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Hall Douglas S  
Hamann Wolf-Rainer  
Hartmann Lee William  
Harutyunian Haik A

- Hauschildt Peter H  
 Hearn Anthony G  
 Heasley James Norton  
 Heber Ulrich  
 Hekela Jan  
 Herold Heinz  
 Hitotsuyanagi Juichi  
 Hoare Melvin  
 Hoeflich Peter  
 Holweger Hartmut  
 Holzer Thomas Edward  
 Hotinli Metin  
 House Lewis L  
 Hunger Kurt  
 Husfeld Dirk  
 Hutchings John B  
 Ito Yutaka  
 Ivanov Vsevolod V  
 Jahn Krzysztof  
 Jatenco-Pereira Vera  
 Johnson Hollis R  
 Jordan Stefan  
 Judge Philip  
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 Kamp Lucas Willem  
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 Khokhlova Vers L  
 Kiselman Dan  
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 Kolesov Alexander K  
 Kondo Yoji  
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 Krikorian Ralph  
 Krishna Swamy K S  
 Kubat Jiri  
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 Kuhi Leonard V  
 Kumar Shiv S  
 Kurucz Robert L  
 Kushwaha R S  
 Lambert David L  
 Lamers Henny J G L M  
 Landstreet John D  
 Leibacher John  
 Liebert James W  
 Linnell Albert P  
 Linsky Jeffrey L  
 Liu Caipin  
 Luck R Earle  
 Luttermoser Donald  
 Lyubimkov Leonid S  
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 Mashonkina Lyudmila  
 Massaglia Silvano  
 Mathys Gautier  
 Matsumoto Masamichi  
 Michaud Georges J  
 Mihalas Dimitri  
 Miyamoto Sigenori  
 Mnatsakanian Mamikon A  
 Muench Guido  
 Mukai Sonoyo  
 Musielak Zdzislaw E  
 Mutschlechner J Paul  
 Nagendra K N  
 Nagirner Dmitrij I  
 Narasimha Delampady  
 Nariai Kyoji  
 Neff John S  
 Nikoghossian Arthur G  
 Nordlund Ake  
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 Oxenius Joachim  
 Pacharin-Tanakun P  
 Pagel Bernard E J  
 Panek Robert J  
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 Pecker Jean-Claude  
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 Querci Francois R  
 Querci Monique  
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 Rauch Thomas  
 Reimers Dieter  
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 Laval Annie  
 Leisawitz David  
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 Lloyd Evans Thomas Harry  
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 Newell Edward B  
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 Nissen Poul E  
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 Charlot Patrick  
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 Clark David H  
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 Cole Trevor William  
 Coleman Paul Henry  
 Colomb Fernando R  
 Colomer Francisco  
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 Combi Jorge Ariel  
 Condon James J  
 Conklin Edward K  
 Conway John  
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 Cotton William D  
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 Covington Arthur E  
 Crane Patrick C  
 Croom David L  
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 Dagkesamansky Rustam D  
 Daintree Edward J  
 Daishido Tsuneaki  
 Davies Rodney D  
 Davis Michael M  
 Davis Robert J  
 de Bergh Catherine  
 de Groot T  
 de Jager Cornelis  
 de la Noe Jerome  
 de Ruiter Hans Rudolf  
 de Vicente Pablo  
 de Young David S  
 Degaonkar S S  
 Delannoy Jean  
 Denisse Jean-Francois  
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 Deshpande Avinash  
 Despois Didier  
 Dhawan Vivek  
 Dickel John R  
 Dickey John M  
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 Frisk Urban  
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 Fukui Yasuo  
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Hamilton P A	Ishiguro Masato	Kreysa Ernst
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Han Wenjun	Jacq Thierry	Krishnan Thiruvankata
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Hardee Philip	Jewell Philip R	Kuiper Thomas B H
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Hewish Antony	Kandalian Rafik A	Lantos Pierre
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Hirabayashi Hisashi	Kaufmann Pierre	Leahy J Patrick
Hjalmarson Ake G	Kawabata Kinaki	Leblanc Yolande
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Ho Paul T P	Kawaguchi Kentarou	Lepine Jacques R D
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 Lubowich Donald A  
 Luks Thomas  
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 MacDonald Geoffrey H  
 MacDonald James  
 Machalski Jerzy  
 MacLeod John M  
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 Malumian Vigen  
 Manchester Richard N  
 Mandolesi Nazzareno  
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 Pankonin Vernon Lee  
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 Ramaty Reuven  
 Rao A Pramesh  
 Raoult Antoinette  
 Ray Thomas P  
 Razin Vladimir A  
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 Reber Grote  
 Reich Wolfgang  
 Reid Mark Jonathan  
 Reif Klaus  
 Reyes Francisco  
 Reynolds John  
 Ribes Jean-Claude  
 Richer John  
 Rickard Lee J  
 Rickett Barnaby James  
 Riihimaa Jorma J  
 Riley Julia M  
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 Roberts Morton S  
 Robertson Douglas S  
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 Rogers Alan E E  
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 Rohlf's Kristen  
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 Rubio Monica  
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 Sadollah Nasiri Gheidari  
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 Salter Christopher John  
 Sanamian V A  
 Sandell Goran Hans I  
 Sanders David B  
 Sargent Anneila I  
 Sarma N V G  
 Sastry Ch V  
 Sato Fumio  
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 Savage Ann  
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 Schaal Ricardo E  
 Scheuer Peter A G  
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 Schmidt Maarten  
 Schuch Nelson Jorge  
 Schultz G V  
 Schulz Rolf Andreas  
 Schwartz Philip R  
 Schwarz Ulrich J  
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 Sheridan K V  
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 Slysh Viacheslav I  
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 Smith Dean F  
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 Soboleva N S  
 Sodin Leonid  
 Sofue Yoshiaki  
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 Stahr-Carpenter M  
 Stanley G J  
 Stannard David  
 Steffen Matthias  
 Stewart Paul  
 Stewart Ronald T  
 Stone R G  
 Storey Michelle  
 Stotskii Alexander A  
 Strom Richard G  
 Strukov Igor A  
 Subrahmanya C R  
 Sugitani Koji  
 Sukumar Sundarajan  
 Sullivan Woodruff T  
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 Swarup Govind  
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Gimenez Alvaro  
Giovannelli Franco  
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Goldman Itzhak  
Gosset Eric  
Grygar Jiri  
Gulliver Austin Fraser

- Gursky Herbert  
 Guseinov O H  
 Gyldenkerne Kjeld  
 Hadrava Petr  
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 Hammerschlag-Hensberge G  
 Hanawa Tomoyuki  
 Hantzios Panayiotis  
 Harmanec Petr  
 Hassall Barbara J M  
 Haswell Carole A  
 Hazlehurst John  
 Heintz Wulff D  
 Hellier Coel  
 Helt Bodil E  
 Hensler Gerhard  
 Herczeg Tibor J  
 Hilditch Ronald W  
 Hills Jack G  
 Hjellming Robert M  
 Hoffmann Martin  
 Holt Stephen S  
 Honeycutt R Kent  
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 Kenny Harold  
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 Kim Chun Hwey  
 Kim Ho Il  
 King Andrew R  
 Kitamura M  
 Kjurkchieva Diana  
 Koch Robert H  
 Kolb Ulrich  
 Kondo Yoji  
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 Kraft Robert P  
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 Krautter Joachim  
 Kreiner Jerzy Marek  
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 Kruchinenko Vitaliy G  
 Kruszewski Andrzej  
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 Kurpinska-Winiarska M  
 Kwee K K  
 la Dous Constanze A  
 Lacy Claud H  
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 Landolt Arlo U  
 Lanning Howard Hugh  
 Lapasset Emilio  
 Larsson Stefan  
 Larsson-Leander Gunnar  
 Lavrov Mikhail I  
 Lee Woo-baik  
 Lee Yong-Sam  
 Leedjaerv Laurits  
 Leung Kam Ching  
 Li Zhongyuan  
 Linnell Albert P  
 Linsky Jeffrey L  
 Liu Qingyao  
 Liu Xuefu  
 Livio Mario  
 Loyd Huw  
 Lucy Leon B  
 Lyuty Victor M  
 MacDonald James  
 Maceroni Carla  
 Malasan Hakim Luthfi  
 Mammano Augusto  
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 Mezzetti Marino  
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 Miyaji Shigeki  
 Mochnacki Stephan W  
 Morgan Thomas H  
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 Nather R Edward  
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 Parthasarathy M  
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 Plavec Mirek J  
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 Sanwal N B  
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 Scaltriti Franco  
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 Schmidt Hans  
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 Shafter Allen W  
 Shakura Nicholaj I  
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 Shu Frank H  
 Sima Zdislav  
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 Cordova France A D  
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 Grewing Michael  
 Greyber Howard D  
 Griffiths Richard E  
 Grindlay Jonathan E  
 Gull Theodore R  
 Gunn James E  
 Gursky Herbert  
 Guseinov O H  
 Hack Margherita  
 Haddock Fred T  
 Hakmila Jon Eric  
 Hall Andrew Norman  
 Hallam Kenneth L  
 Han Zhengzhong  
 Hang Hengrong  
 Harms Richard James  
 Harris Daniel E  
 Harvey Christopher C  
 Harvey Paul Michael  
 Harwit Martin  
 Hatsukade Isamu  
 Haubold Hans Joachim  
 Hauser Michael G  
 Hawkes Robert Lewis  
 Hawking Stephen W  
 Hawkins Isabel  
 Haymes Robert C  
 Hearn Anthony G  
 Heckathorn Harry M  
 Hein Righini Giovanna  
 Heise John  
 Helfand David John  
 Helmken Henry F  
 Helou George

- Henoux Jean-Claude  
 Henriksen Richard N  
 Henry Richard C  
 Hensberge Herman  
 Heske Astrid  
 Hoffman Jeffrey Alan  
 Holberg Jay B  
 Holloway Nigel J  
 Holt Stephen S  
 Houziaux Leo  
 Howarth Ian Donald  
 Hoyle Fred  
 Hoyng Peter  
 Hu Wenrui  
 Huang Keliang  
 Huber Martin C E  
 Hunt Leslie  
 Hurley Kevin C  
 Hutchings John B  
 Ichimaru Setsuo  
 Imamura James  
 Imhoff Catherine L  
 Inoue Makoto  
 Ipser James R  
 Ishida Manabu  
 Israel Werner  
 Ito Kensai A  
 Itoh Masayuki  
 Iyengar K V K  
 Jackson John Charles  
 Jaffe Walter Joseph  
 Jamar Claude A J  
 Janka Hans Thomas  
 Jenkins Edward B  
 Jokipii J R  
 Jones Frank Culver  
 Jones Thomas Walter  
 Jordan Carole  
 Jordan Stuart D  
 Joss Paul Christopher  
 Juliusson Einar  
 Kafatos Minas  
 Kafka Peter  
 Kahabka Peter  
 Kahn Franz D  
 Kapoor Ramesh Chander  
 Karpinskij Vadim N  
 Kasturirangan K  
 Katz Jonathan I  
 Kawai Nobuyuki  
 Kellermann Kenneth I  
 Kellogg Edwin M  
 Kembhavi Ajit K  
 Kessler Martin F  
 Kii Tsuneo  
 Killeen Neil  
 Kim Yonggi  
 Kimble Randy A  
 Kirk John  
 Klinkhamer Frans  
 Klose Sylvio  
 Koch-Miramond Lydie  
 Kocharov Grant E  
 Koide Shinji  
 Kojima Yasufumi  
 Kolb Edward W  
 Kondo Masaaki  
 Kondo Yoji  
 Koshiba Masa-Toshi  
 Koupelis Theodoros  
 Koyama Katsuji  
 Kozlowski Maciej  
 Kraemer Gerhard  
 Kraushaar William L  
 Kreisel E  
 Kristiansson Krister  
 Kulsrud Russell M  
 Kumagai Shiomi  
 Kundt Wolfgang  
 Kurt Vitaliy G  
 Kusunose Masaaki  
 Lamb Frederick K  
 Lamb Susan Ann  
 Lamb Donald Quincy  
 Lamers Henny J G L M  
 Lampton Michael  
 Lasher Gordon Jewett  
 Lattimer James M  
 Lea Susan Maureen  
 Leckrone David S  
 Leighly Karen Marie  
 Lemaire Philippe  
 Lewin Walter H G  
 Li Qibin  
 Li Tipei  
 Li Yuanjie  
 Li Zhifang  
 Li Zongwei  
 Liang Edison P  
 Lindblad Bertil A  
 Linsky Jeffrey L  
 Linsley John  
 Liu Ruliang  
 Lochner James Charles  
 Long Knox S  
 Longair Malcolm S  
 Lovelace Richard V E  
 Lovell Sir Bernard  
 Lu Jufu  
 Lu Tan  
 Luest Reimar  
 Luminet Jean-Pierre  
 Lynden-Bell Donald  
 Ma YuQian  
 Maccacaro Tommaso  
 Macchetto Ferdinando  
 Maggio Antonio  
 Makarov Valeri  
 Malaise Daniel J  
 Malitson Harriet H  
 Malkan Matthew Arnold  
 Manara Alessandro A  
 Mandolesi Nazzareno  
 Maran Stephen P  
 Marar T M k  
 Marov Mikhail Ya  
 Martin Inacio Malmonge  
 Masai Kuniaki  
 Mason Glenn M  
 Mason Keith Owen  
 Mather John Cromwell  
 Matsumoto Ryoji  
 Matsuoka Masaru  
 Matz Steven Micheal  
 Mazurek Thaddeus John  
 McBreen Brian Philip  
 McCluskey George E  
 McCray Richard  
 McWhirter R W Peter  
 Mead Jaylee Montague  
 Medina Jose  
 Meier David L  
 Meiksin Avery Abraham  
 Melia Fulvio  
 Melnick Gary J  
 Melrose Donald B  
 Mestel Leon  
 Meszaros Peter  
 Mewe R  
 Meyer Friedrich  
 Meyer Jean-Paul  
 Micela Giuseppina  
 Michel F Curtis  
 Miller Guy Scott  
 Miller John C  
 Miyaji Shigeki  
 Miyamoto Sigenori  
 Mizumoto Yoshihiko  
 Mizutani Kohei  
 Modisette Jerry L  
 Monet David G  
 Monfils Andre G  
 Montmerle Thierry  
 Moon Shin Haeng  
 Moos Henry Warren

- Morgan Thomas H  
 Morrison Philip  
 Morton Donald C  
 Murakami Hiroshi  
 Murakami Toshio  
 Murdock Thomas Lee  
 Murtagh Fionn  
 Murthy Jayant  
 Naidenov Victor O  
 Nakayama Kunji  
 Neeman Yuval  
 Neff Susan Gale  
 Ness Norman F  
 Neupert Werner M  
 Nichols-Bohlin Joy  
 Nicollier Claude  
 Nityananda R  
 Nomoto Ken'ichi  
 Norci Laura  
 Nordh Lennart H  
 Norman Colin A  
 Novick Robert  
 Noyes Robert W  
 Nulsen Paul  
 O'Connell Robert F  
 O'Mongain Eon  
 O'Sullivan Denis F  
 Oda Minoru  
 Oda Naoki  
 Oezel Mehmet Emin  
 Ogawara Yoshiaki  
 Ogelman Hakki B  
 Okeke Pius N  
 Okoye Samuel E  
 Okuda Toru  
 Olthof Hindericus  
 Oohara Ken-ichi  
 Osborne Julian P  
 Ostriker Jeremiah P  
 Ostrowski Michal  
 Owen Tobias C  
 Ozernoy Leonid M  
 Pacholczyk Andrzej G  
 Paciesas William S  
 Pacini Franco  
 Page Clive G  
 Paltani Stephane  
 Palumbo Giorgio G C  
 Pandey Uma Shankar  
 Papagiannis Michael T  
 Park Myeong-gu  
 Parker Eugene N  
 Parkinson John H  
 Parkinson William H  
 Pauliny Toth Ivan K K  
 Peacock Anthony  
 Peng Qiuhe  
 Perola Giuseppe C  
 Perry Peter M  
 Peters Geraldine Joan  
 Peterson Bruce A  
 Peterson Laurence E  
 Pethick Christopher J  
 Petro Larry David  
 Petrosian Vahe  
 Phillips Kenneth J H  
 Piddington Jack H Res Fel  
 Pinkau K  
 Pinto Philip Alfred  
 Pipher Judith L  
 Piro Luigi  
 Polidan Ronald S  
 Porter Neil A  
 Pounds Kenneth A  
 Poutanen Juri  
 Prasanna A R  
 Preuss Eugen  
 Price Stephan Donald  
 Proszynski Mieczyslaw  
 Protheroe Raymond J  
 Qu Qinyue  
 Radhakrishnan V  
 Ramadurai Souriraja  
 Rao Arikkala Raghurama  
 Rao Ramachandra V  
 Raubenheimer Barend C  
 Razdan Hiralal  
 Rees Martin J  
 Rees Martin J  
 Reeves Edmond M  
 Reeves Hubert  
 Reichert Gail Anne  
 Reig Pablo  
 Rense William A  
 Riegler Guenter R  
 Roman Nancy Grace  
 Rosendhal Jeffrey D  
 Rosner Robert  
 Rovero Adrian Carlos  
 Ruben G  
 Ruder Hanns  
 Ruffini Remo  
 Sabau-Graziati Lola  
 Sagdeev Roald Z  
 Sahade Jorge  
 Salpeter Edwin E  
 Salvati Marco  
 Sanders Wilton Turner III  
 Santos Nilton Oscar  
 Sartori Leo  
 Saslaw William C  
 Sato Katsuhiko  
 Savage Blair D  
 Savedoff Malcolm P  
 Scargle Jeffrey D  
 Schaefer Gerhard  
 Schatten Kenneth H  
 Schatzman Evry  
 Scheuer Peter A G  
 Schmidt K H  
 Schnopper Herbert W  
 Schoeneich W  
 Schramm David N  
 Schreier Ethan J  
 Schultz G V  
 Schwartz Daniel A  
 Schwartz Steven Jay  
 Schwehm Gerhard  
 Sciama Dennis W  
 Sciortino Salvatore  
 Scott John S  
 Seielstad George A  
 Selvelli Pierluigi  
 Sequeiros Juan  
 Setti Giancarlo  
 Seward Frederick D  
 Shaham Jacob  
 Shakura Nicholaj I  
 Shapiro Maurice M  
 Shaver Peter A  
 Shaviv Giora  
 Sheffield Charles  
 Shibai Hiroshi  
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 Shields Gregory A  
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 Sholomitsky G B  
 Shukre C S  
 Signore Monique  
 Sikora Marek  
 Silberberg Rein  
 Silvestro Giovanni  
 Simon Paul C  
 Singh Kulinder Pal  
 Skilling John  
 Smale Alan Peter  
 Smith Barham W  
 Smith Bradford A  
 Smith Linda J  
 Smith Peter L  
 Snow Theodore P  
 Sofia Sabatino  
 Sonneborn George  
 Sood Ravi

- Spada Gianfranco  
 Speer R J  
 Srivastava Dhruwa  
 Stachnik Robert V  
 Staubert Ruediger Prof  
 Stecher Theodore P  
 Stecker Floyd W  
 Steigman Gary  
 Steiner Joao E  
 Stencil Robert Edward  
 Stepanian A A  
 Stephens S A  
 Stern Robert Allan  
 Stevens Ian  
 Stier Mark T  
 Stockman Hervey S  
 Stone R G  
 Straumann Norbert  
 Stringfellow Guy Scott  
 Strong Ian B  
 Sturrock Peter A  
 Sun Wei-Hsin  
 Sunyaev Rashid A  
 Suzuki Hideyuki  
 Svensson Roland  
 Swank Jean Hebb  
 Tagliaferri Gianpiero  
 Takahara Fumio  
 Takahashi Masaaki  
 Takahashi Tadayuki  
 Takakura Tatsuo Emer  
 Tanaka Yasuo  
 Tanaka Yasuo  
 Tashiro Makoto  
 Terrell Nelson James  
 Thomas Roger J  
 Thorne Kip S  
 Tomimatsu Akira  
 Totsuka Yoji  
 Tovmassian Hrant M  
 Traub Wesley Arthur  
 Trimble Virginia L  
 Truemper Joachim  
 Truran James W  
 Trussoni Edoardo  
 Tsunemi Hiroshi  
 Tsuru Takeshi  
 Tsuruta Sachiko  
 Tsygan Anatolii I  
 Tylka Allan J  
 Underhill Anne B  
 Underwood James H  
 Upton Walter L II  
 Vahia Mayank N  
 Valnicek Boris  
 Valtonen Mauri J  
 van Beek Frank  
 van de Hulst H C  
 van den Heuvel Edward P J  
 van der Hucht Karel A  
 van der Walt D J  
 van Duinen R J  
 van Riper Kenneth A  
 van Speybroeck Leon P  
 Vial Jean-Claude  
 Vidal Nissim V  
 Vidal-Madjar Alfred  
 Viotti Roberto  
 Voelk Heinrich J  
 von Montigny Corinna  
 Vrtilek Saeqa Dil  
 Walsh Dennis  
 Wanas Mamdouh Ishaac  
 Wang Deyu  
 Wang Shouguan  
 Wang Shui  
 Wang Yi-ming  
 Warner John W  
 Weaver Thomas A  
 Webster Adrian S  
 Wehrle Ann Elizabeth  
 Weiler Edward J  
 Weiler Kurt W  
 Weinberg J L  
 Weisheit Jon C  
 Weisskopf Martin Ch  
 Wells Donald C  
 Wentzel Donat G  
 Wesselius Paul R  
 Westfold Kevin C  
 Westphal James A  
 Wheeler J Craig  
 Wheeler John A  
 White Nicholas Ernest  
 Will Clifford M  
 Willis Allan J  
 Willner Steven Paul  
 Wilson Andrew S  
 Wilson James R  
 Wilson Robert  
 Winkler Christoph  
 Wolfendale Arnold W  
 Wolstencroft Ramon D  
 Wolter Anna  
 Woltjer Lodewijk  
 Worrall Diana Mary  
 Wray James D  
 Wu Chi Chao  
 Wu Xuejun  
 Wunner Guenter  
 Yamada Shoichi  
 Yamamoto Yoshiaki  
 Yamashita Kojun  
 Yamauchi Makoto  
 Yamauchi Shigeo  
 Yang Lantian  
 Yang Pibo  
 Yock Philip  
 Yoshida Atsumasa  
 You Junhan  
 Zamorani Giovanni  
 Zarnecki Jan Charles  
 Zdziarski Andrzej  
 Zhang Heqi  
 Zhang Jialu  
 Zhang Zhen-Jiu  
 Zheng Wei  
 Zombeck Martin V  
 Zou Huicheng

## Composition of Commission 45

## Stellar classification/Classification stellaire

<b>President:</b>	Gerbaldi Michele	
<b>Vice-President:</b>	Lloyd Evans Thomas Harry	
<b>Organizing Committee:</b>		
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Corbally Christopher	Gray Richard O	North Pierre
Drilling John S	Kurtz Donald Wayne	Zdanavicius Kazimeras
<b>Members:</b>		
Albers Henry	Guetter Harry Hendrik	Morrell Nidia
Ardeberg Arne L	Gurzadian Grigor A	Nandy Kashinath
Arellano Ferro Armando	Hack Margherita	Nicolet Bernard
Babu G S D	Hallam Kenneth L	Notni P
Baglin Annie	Hauck Bernard	Oja Tarmo
Barbier-Brossat Madeleine	Hayes Donald S	Olsen Erik H
Bartaya R A	Houk Nancy	Osborn Wayne
Bartkevicius Antanas	Huang Lin	Oswalt Terry D
Bell Roger A	Humphreys Roberta M	Parsons Sidney B
Bidelman William P	Jaschek Carlos O R	Pasinetti Laura E
Blanco Victor M	Kato Ken-ichi	Perry Charles L
Buscombe William	Keenan Philip C	Philip A G Davis
Buser Roland	Kharadze E K	Pizzichini Graziella
Celis Leopoldo	Kurtanidze Omar	Preston George W
Cester Bruno	Kurtz Michael Julian	Rautela B S
Cherepashchuk Analily M	Labhardt Lukas	Roman Nancy Grace
Christy James Walter	Lasala Gerald J	Rountree Janet
Coluzzi Regina	Lee Sang Gak	Rudkjobing Mogens
Cowley Anne P	Loden Kerstin R	Sanwal N B
Crawford David L	Low Frank J	Schild Rudolph E
Divan Lucienne	Lu Phillip K	Schmidt-Kaler Theodor
Dufлот Marcelle	Luri Xavier	Seitter Waltraut C
Egret Daniel	Lutz Julie H	Sharpless Stewart
Faraggiana Rosanna	MacConnell Darrell J	Shore Steven N
Feast Michael W	Maehara Hideo	Sinnerstad Ulf E
Fehrenbach Charles	Malagnini Maria Lucia	Sion Edward Michael
Fitzpatrick Edward L	Malaroda Stella M	Slettebak Arne
Fukuda Ichiro	McCarthy Martin F	Sonti Sreedhar Rao
Garrison Robert F	McClure Robert D	Steinlin Uli
Geyer Edward H	Mcnamara Delbert H	Stephenson C Bruce
Glagolevskij Juri V	Mead Jaylee Montague	Stock Jurgen D
Golay Marcel	Mendoza V Eugenio E	Straizys V
Grenon Michel	Morossi Carlo	Strobel Andrzej

Upgren Arthur R  
von Hippel Theodore A  
Walborn Nolan R  
Walker Gordon A H  
Warren Wayne H

Weaver William Bruce  
Wesselius Paul R  
Westerlund Bengt E  
Williams John A  
Wing Robert F

Wu Hsin-Heng  
Wyckoff Susan  
Yamashita Yasumasa  
Yoss Kenneth M

## Composition of Commission 46

## Teaching of astronomy/Enseignement de l'astronomie

<b>President:</b>	Fierro Julieta	
<b>Vice-President:</b>	Isobe Syuzo	
<b>Organizing Committee:</b>		
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Batten Alan H	Jones Barrie W	Pasachoff Jay M
Gerbaldi Michele	Martinez Peter	Percy John R
Guinan Edward Francis	McNally Derek	Wentzel Donat G
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Andrews Frank	Fairall Anthony P	Kolka Indrek
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Aubier Monique G	Fernandez-Figueroa M J	Kreiner Jerzy Marek
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Bochonko D Richard	Gouguenheim Lucienne	Leung Kam Ching
Borchkhadze Tengiz M	Gurm Hardev S	Li Qibin
Botez Elvira	Hafizi Mimoza	Little-Marenin Irene R
Bottinelli Lucette	Haupt Hermann F	Lomb Nicholas Ralph
Braes L L E	Havlen Robert J	Luck John M
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Budding Edwin	Hemenway Mary Kay M	Maddison Ronald Ch
Buscombe William	Heudier Jean-Louis	Marsh Julian C D
Calvet Nuria	Hidayat Bambang	Martinet Louis
Catala Poch M A	Hill Philip W	Mavridis L N
Chamberlain Joseph M	Hockey Thomas Arnold	Maza Jose
Codina Landaberry Sayd J	Houziaux Leo	McCarthy Martin F
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Couper Heather Miss	Ilyas Mohammad	Mizuno Takao
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Daniel Jean Yves	Inglis Michael	Moreels Guy

Muzzio Juan C  
Nha Il-Seong  
Nicolov Nikolai S  
Nicolson Iain  
Noels Arlette  
Oja Heikki  
Okoye Samuel E  
Olsen Fogh H J  
Onuora Lesley Irene  
Osborn Wayne  
Osorio Jose J S P  
Oswalt Terry D  
Othman Mazlan  
Owaki Naoaki  
Pandey Uma Shankar  
Parisot Jean-Paul  
Penston Margaret  
Pokorny Zdenek  
Ponce G A  
Prabhakaran Nayar S R  
Proverbio Edoardo  
Qamar Jawaid  
Querci Francois R  
Raghavan Nirupama

Ramadurai Souriraja  
Rijsdijk Case  
Robbins R Robert  
Robinson Leif J  
Rodgers Alex W  
Ros Rosa M  
Roslund Curt  
Roy Archie E  
Safko John L  
Sanahuja Blas  
Sandqvist Aage  
Saxena P P  
Sbirkova-Natcheva T  
Schleicher David G  
Schlosser Wolfhard  
Schmidt Thomas  
Schmitter Edward F  
Schroeder Daniel J  
Seeds Michael August  
Shen Chun-Shan  
Shipman Harry L  
Siroky Jaromir  
Solheim Jan Erik  
Stefl Vladimir

Stenholm Bjoern  
Stoev Alexei  
Sukartadiredja Darsa  
Svestka Jiri  
Szecsenyi-Nagy Gabor  
Szostak Roland  
Taborda Jose Rosa  
Tolbert Charles R  
Torres-Peimbert Silvia  
Troche-Boggino A E  
Tsubota Yukimasa  
van Santvoort Jacques  
Vauclair Sylvie D  
Vladimirov Simeon  
Vujnovic Vladis  
Wang Shunde  
Ward Richard A  
Whitelock Patricia Ann  
Williamon Richard M  
Woo Jong Ok  
Zealey William J  
Zeilik Michael Ii  
Zimmermann Helmut



## Composition of Commission 47

## Cosmology/Cosmologie

**President:** Szalay Alex  
**Vice-President:** Peacock John Andrew  
**Organizing Committee:**

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 da Costa Luiz A N  
 Einasto Jaan  
 Ellis George F R

Koo David C-Y  
 Lilly Simon J  
 Narlikar Jayant V  
 Shaver Peter A

Webster Rachel  
 White Simon David Manion  
 Wolfe Arthur M

**Members:**

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 Amendola Luca  
 Andreani Paola Michela  
 Audouze Jean  
 Auluck Faqir Chand  
 Azuma Takahiro  
 Bahcall Neta A  
 Bajtlik Stanislaw  
 Baldwin John E  
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 Banhatti Dilip Gopal  
 Barberis Bruno  
 Barbuy Beatriz  
 Bardeen James M  
 Barnothy Jenő  
 Barrow John David  
 Bartelmann Matthias  
 Barthel Peter  
 Basu Dipak  
 Bechtold Jill  
 Beckman John E  
 Beesham Aroonkumar  
 Belinsky Vladimir A  
 Bennett Charles L  
 Bergeron Jacqueline A  
 Berman Marcelo S  
 Bertola Francesco  
 Bertschinger Edmund  
 Betancort-Rijo Juan  
 Bhavsar Suketu P

Bicknell Geoffrey V  
 Bignami Giovanni F  
 Birkinshaw Mark  
 Blanchard Alain  
 Bleyer Ulrich  
 Bludman Sidney A  
 Boksenberg Alec  
 Bond John Richard  
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 Bonnor W B  
 Borgeest Ulf  
 Bouchet Francois R  
 Boyle Brian  
 Brecher Kenneth  
 Burbidge Geoffrey R  
 Burns JR Jack O'Neal  
 Calvani Massimo  
 Cappi Alberto  
 Carr Bernard John  
 Castagnino Mario  
 Cavaliere Alfonso G  
 Chang Kyongae  
 Charlot Stephane  
 Chen Jiansheng  
 Cheng Fuhua  
 Cheng Fuzhen  
 Chincarini Guido L  
 Chitre Dattakumar M  
 Chodorowski Michal  
 Claria Juan  
 Cocke William John

Cohen Jeffrey M  
 Cohen Ross D  
 Coles Peter  
 Colless Matthew  
 Colombi Stephane  
 Condon James J  
 Crane Patrick C  
 Crane Philippe  
 Cristiani Stefano  
 Da Costa Gary Stewart  
 Dadhich Naresh  
 Danese Luigi  
 Das P K  
 Datta Bhaskar  
 Davidson William  
 Davies Paul Charles W  
 Davies Roger L  
 Davis Marc  
 Davis Michael M  
 de Lapparent-Gurriet Valerie  
 de Ruiter Hans Rudolf  
 de Zotti Gianfranco  
 Dekel Avishai  
 Demaret Jacques  
 Demianski Marek  
 Dhurandhar Sanjeev  
 Dionysiou Demetrios  
 Djorgovski Stanislav  
 Doroshkevich Andrei G  
 Dressler Alan  
 Drinkwater Michael J

- Dultzin-Hacyan D  
 Dunlop James  
 Dunsby Peter  
 Dyer Charles Chester  
 Efstathiou George  
 Ehlers Jurgen  
 Ellis Richard S  
 Elvis Martin S  
 Enginol Turan B  
 Faber Sandra M  
 Fairall Anthony P  
 Falk jr Sydney W  
 Fall S Michael  
 Fang Li-zhi  
 Felten James E  
 Field George B  
 Filippenko Alexei V  
 Firmani Claudio A  
 Florides Petros S  
 Focardi Paola  
 Fomin Piotr Ivanovich  
 Fong Richard  
 Ford Holland C Res  
 Forman William Richard  
 Fouque Pascal  
 Franceschini Alberto  
 Frenk Carlos S  
 Fujimoto Mitsuaki  
 Fukugita Masataka  
 Fukui Takao  
 Galletto Dionigi  
 Garilli Bianca  
 Garrison Robert F  
 Geller Margaret Joan  
 Giallongo Emanuele  
 Gioia Isabella M  
 Giuricin Giuliano  
 Gold Thomas  
 Goldsmith Donald W  
 Gong Shumo  
 Gonzales Alejandro  
 Goret Philippe  
 Gosset Eric  
 Gottloeber Stefan  
 Gouda Naoteru  
 Goyal Ashok Kumar  
 Gray Richard O  
 Gregory Stephen Albert  
 Greyber Howard D  
 Grishchuk Leonid P  
 Gudmundsson Einar H  
 Gunn James E  
 Guzzo Luigi  
 Hagen Hans-Juergen  
 Hamilton Andrew J S  
 Hardy Eduardo  
 Harms Richard James  
 Harrison Edward R  
 Hawking Stephen W  
 Hayashi Chushiro  
 He Xiangtao  
 Heavens Alan  
 Heidmann Jean  
 Hellaby Charles William  
 Heller Michael  
 Henriksen Mark Jeffrey  
 Hewett Paul  
 Hewitt Adelaide  
 Hnatyk Bohdan  
 Hoyle Fred  
 Hu Esther M  
 Huchra John Peter  
 Hwang Jai-chan  
 Icke Vincent  
 Ikeuchi Satoru  
 Impey Christopher D  
 Iovino Angela  
 Ishihara Hideki  
 Iyer B R  
 Jannuzi Buell Tomasson  
 Jaroszynski Michal  
 Jauncey David L  
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 Jiang Shuding  
 Jones Bernard J T  
 Joshi Mohan N  
 Junkkarinen Vesa T  
 Juszkiewicz Roman  
 Kajino Toshitaka  
 Kandrup Henry Emil  
 Kapoor Ramesh Chander  
 Karachentsev Igor D  
 Kasper U  
 Kato Shoji  
 Kaul Chaman  
 Kawabata Kinaki  
 Kawabata Kiyoshi  
 Kawasaki Masahiro  
 Kayser Rainer  
 Kellermann Kenneth I  
 Kembhavi Ajit K  
 Khare Pushpa  
 Kim Jik Su  
 Kirilova Daniela  
 Kneib Jean-Paul  
 Kodama Hideo  
 Kokkotas Konstantinos  
 Kolb Edward W  
 Kompaneets Dmitriy A  
 Kormendy John  
 Kovetz Attay  
 Kozai Yoshihide  
 Kozlovsky B Z  
 Krasinski Andrzej  
 Kriss Gerard A  
 Kunth Daniel  
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 Lacey Cedric  
 Lachieze-Rey Marc  
 Lahav Ofer  
 Lake Kayll William  
 Larionov Mikhael G  
 Lasota Jean-Pierre  
 Lausberg Andre  
 Layzer David  
 Lequeux James  
 Li Xiaoping  
 Liddle Andrew  
 Liebscher Dierck-E  
 Lilje Per Vidar Barth  
 Liu Liao  
 Liu Yongzhen  
 Longair Malcolm S  
 Lonsdale Carol J  
 Lu Tan  
 Lucchin Francesco  
 Lukash Vladimir N  
 Luminet Jean-Pierre  
 Lynden-Bell Donald  
 Maccagni Dario  
 MacCallum Malcolm A H  
 Maddox Stephen  
 Maeda Kei-ichi  
 Mandolesi Nazzareno  
 Mandzhos Andrej V  
 Mansouri Reza  
 Marano Bruno  
 Mardirossian Fabio  
 Marek John  
 Martinez-Gonzalez E  
 Materne Juergen  
 Mather John Cromwell  
 Mathez Guy  
 Matsumoto Toshio  
 Matzner Richard A  
 Mavrides Stamatia  
 McCrea J Dermott  
 Mellier Yannick  
 Melott Adrian L  
 Merighi Roberto  
 Meszaros Attila  
 Meszaros Peter  
 Meyer David M  
 Meylan Georges  
 Mezzetti Marino

- Misner Charles W  
 Miyoshi Shigeru  
 Mo Houjun  
 Moreau Olivier  
 Morrison Philip  
 Moscardini Lauro  
 Muecket Jan P  
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Protection des sites d'observatoires existants et potentiels

## Teaching of astronomy/Enseignement de l'astronomie

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<b>Astrochemistry WG</b> <i>http://www.strw.leidenuniv.nl/~iau34/</i>	<b>VI</b>
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<b>WG on Atomic Transition Probabilities</b>		<b>14</b>
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<b>WG on Comets</b>		<b>20</b>
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<b>WG on Satellites</b>		<b>20</b>
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<b>WG Amateur-Professional co-operation in Meteors</b>		<b>22</b>
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#### INTER COMMISSION WORKING GROUPS

<b>IAU/IUGG WG on the Non-rigid Earth Nutation Theory</b>		<b>4, 7 &amp; 19</b>
<a href="http://www.oma.be/KSB-ORB/D1/EARTH_ROT/wgnut.html">http://www.oma.be/KSB-ORB/D1/EARTH_ROT/wgnut.html</a>		
V. Dehant, Chair	<a href="mailto:veronique.dehant@ksb-orb.oma.be">veronique.dehant@ksb-orb.oma.be</a>	
<b>WG on Astronomical Standards (WGAS)</b>		<b>4, 5, 8, 19, 24 &amp; 31</b>
T. Fukushima, Chair	<a href="mailto:toshio@spacetime.mtk.nao.ac.jp">toshio@spacetime.mtk.nao.ac.jp</a>	
D. McCarthy, Chair, Sub-group on Best Estimates		
P.T. Wallace, Chair, Sub-Group SOFA		
<b>WG of the IAU/IAG/IUGG/COSPAR on Cartographic Coordinates and Rotational Elements of Planets and Satellites</b>		<b>4 &amp; 16</b>
<a href="http://www.ari.uni-heidelberg.de/interessantes/iaucommission8/wg/seidelmann.html">http://www.ari.uni-heidelberg.de/interessantes/iaucommission8/wg/seidelmann.html</a>		
K. Seidelmann, Chair	<a href="mailto:pk@spica.usno.navy.mil">pk@spica.usno.navy.mil</a>	
<b>WG dealing with the one-century old plates of the Astrographic Program</b>		<b>8 &amp; 24</b>
<a href="http://astro.u-strasbg.fr/~fresneau/workgroup.html">http://astro.u-strasbg.fr/~fresneau/workgroup.html</a>		
A. Fresneau, Chair	<a href="mailto:fresneau@astro.u-strasbg.fr">fresneau@astro.u-strasbg.fr</a>	
<b>WG on Standard Stars</b>		<b>25, 29, 30 &amp; 45</b>
<a href="http://clavius.as.arizona.edu/ssn/">http://clavius.as.arizona.edu/ssn/</a>		
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 Huang Jiehao  
 Huang Keliang  
 Huang Kunyi  
 Huang Lin  
 Huang Runqian  
 Huang Tianyi  
 Huang Tieqin  
 Huang Yinliang  
 Huang Yongwei  
 Huang Youran  
 Ji Hongqing  
 Ji Shuchen  
 Jiang Chongguo  
 Jiang Dongrong  
 Jiang Shi-Yang  
 Jiang Shuding  
 Jiang Xiaoyuan  
 Jiang Yaotiao  
 Jiang Zhaoji  
 Jin Biaoren

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Jin Wenjing	Lu Yang	Sun Jin
Kimura Hiroshi	Luo Baorong	Sun Kai
Li Chun-Sheng	Luo Dingchang	Sun Yisui
Li Depei	Luo Dingjiang	Sun Yongxiang
Li Dongming	Luo Guoquan	Tan Detong
Li Guoping	Luo Shaoguang	Tan Huisong
Li Hui	Luo Shi-Fang	Tang Yuhua
Li Jing	Luo Xianhan	Tian Jing
Li Jinling	Ma Er	Tong Fu
Li Kejun	Ma Xingyuan	Tong Yi
Li Linghuai	Ma Yuehua	Wan Lai
Li Neng-Yao	Ma YuQian	Wan Tongshan
Li Qi	Mao Wei	Wang Chuanjin
Li Qibin	Meng Xinmin	Wang dechang
Li Ting	Miao Yongkuan	Wang Deyu
Li Tipei	Miao Yongrui	Wang Gang
Li Wei	Mo Jing-er	Wang Jia-Long
Li Weibao	Nan Rendong	Wang Jiayi
Li Xiaqing	Pan Junhua	Wang Jingsheng
Li Yan	Pan Liande	Wang Jingxiu
Li Yuanjie	Pan Ning-Bao	Wang Junjie
Li Zhengxin	Pan Rong-Shi	Wang Keming
Li Zhengxing	Pei Chunchuan	Wang Lan-Juan
Li Zhian	Peng Bo	Wang Renchuan
Li Zhifang	Peng Qiuhe	Wang Shouguan
Li Zhigang	Peng Yunlou	Wang Shui
Li Zhiping	Qi Guanrong	Wang Shunde
Li Zhisen	Qian Bochen	Wang Sichao
Li Zhongyuan	Qian Shanjie	Wang Tinggui
Li Zongwei	Qian Zhihan	Wang Ya'nan
Liang Shiguang	Qiao Guojun	Wang Yiming
Liang Zhonghuan	Qin Dao	Wang Yong
Liao De-chun	Qin Songnian	Wang Zhengming
Liao Xinhao	Qin Zhihai	Wang Zhenru
Lin Qinchang	Qiu Puzhang	Wang Zhenyi
Lin Yuanzhang	Qiu Yaohui	Wu Bin
Liu Bao-Lin	Qiu Yuhai	Wu Guichen
Liu Caipin	Qu Qinyue	Wu Hong'ao
Liu Ciyuan	Quan Hejun	Wu Huai-Wei
Liu Jinming	Rong Jianxiang	Wu Lianda
Liu Liao	Shao Zhengyi	Wu Linxiang
Liu Lin	Shen Changjun	Wu Mingchan
Liu Linzhong	Shen Kaixian	Wu Shengyin
Liu Qingyao	Shen Liangzhao	Wu Shouxian
Liu Ruliang	Shen Longxiang	Wu Xiangping
Liu Xinping	Shen Parnan	Wu Xinji
Liu Xuefu	Shi Guang-Chen	Wu Xuejun
Liu Yongzhen	Shi Shengcai	Wu Yuefang
Liu Yuying	Shi Zhongxian	Wu Zhiren
Liu Zongli	Shu Chenggang	Xi Zezong
Lu Benkui	Song Guoxuan	Xia Xiaoyang
Lu Chunlin	Song Jin'an	Xia Yifei
Lu Jufu	Song Mutao	Xia Zhiguo
Lu Ruwei	Su Dingqiang	Xian Ding-Zhang

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 Xiang Shouping  
 Xiao Naiyuan  
 Xie Guangzhong  
 Xie Liangyun  
 Xiong Darun  
 Xu Aoao  
 Xu Bang-Xin  
 Xu Chongming  
 Xu Jiayan  
 Xu Jihong  
 Xu Peiyuan  
 Xu Pinxin  
 Xu Tong-Qi  
 Xu Wenli  
 Xu Zhentao  
 Xu Zhicai  
 Yan Haojian  
 Yan Jun  
 Yan Lin-shan  
 Yang Fumin  
 Yang Ji  
 Yang Jian  
 Yang Lantian  
 Yang Pibo  
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 Yao Jinxing  
 Yao Zhengqiu  
 Ye Binxun  
 Ye Shi-hui  
 Ye Shuhua  
 Ye Wenwei

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 Yi Zhaohua  
 Yin Jisheng  
 Yin Xinhui  
 You Jianqi  
 You Junhan  
 Yu Xin Alfred  
 Yu Zhiyao  
 Yue Zengyuan  
 Zeng Qin  
 Zeng Zhifang  
 Zhai Disheng  
 Zhai Zaocheng  
 Zhang Bairong  
 Zhang Bin  
 Zhang Fujun  
 Zhang Guo-Dong  
 Zhang Heqi  
 Zhang Hui  
 Zhang Jialu  
 Zhang Jian  
 Zhang Jiexiang  
 Zhang Jin  
 Zhang Jintong  
 Zhang Peiyu  
 Zhang Xiuzhong  
 Zhang Xizhen  
 Zhang Yang  
 Zhang Youyi  
 Zhang Zhen-Jiu  
 Zhang Zhenda  
 Zhao Changyin  
 Zhao Gang  
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 Zhao Junliang

Zhao Ming  
 Zhao Renyang  
 Zhao Yongheng  
 Zhao Zhaowang  
 Zheng Dawei  
 Zheng Xinwu  
 Zheng Xuetao  
 Zheng Yijia  
 Zheng Ying  
 Zhong Hongqi  
 Zhong Min  
 Zhou Aihua  
 Zhou Bifang  
 Zhou Daoqi  
 Zhou Hongnan  
 Zhou Ti-jian  
 Zhou Xu  
 Zhou Youyuan  
 Zhou ZhenPu  
 Zhu Cisheng  
 Zhu Jin  
 Zhu Nenghong  
 Zhu Shichang  
 Zhu Wenyaoyao  
 Zhu Xingfeng  
 Zhu Yaoshong  
 Zhu Yonghe  
 Zhu Yongtian  
 Zhu Zi  
 Zhuang Weifeng  
 Zou Huicheng  
 Zou Yixin  
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 Chou Chih-Kang  
 Chou Dean-Yi  
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Huang Yinn-Nien  
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 Lee Thyphoon  
 Ling Chih-Bing  
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 Ng Kin-Wang  
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Sun Wei-Hsin  
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 Fischer Stanislav  
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 Odstrcil Dusan  
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 Palous Jan  
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 Perek Lubos  
 Pesek Ivan  
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 Stefl Vladimir  
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El Shahawy Mohamad  
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 Gramann Mirt  
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 Joeveer Mihkel  
 Kipper Tonu

Kolka Indrek  
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 Malyuto Valeri  
 Nugis Tiit  
 Pelt Jaan  
 Pustylnik Izold B  
 Saar Enn  
 Sapar Arved

Tago Erik  
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 Oterma Liisi  
 Piirola Vilppu E  
 Rahunen Timo  
 Raitala Jouko T  
 Riihimaa Jorma J  
 Roos Matts  
 Salo Heikki

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 Takalo Leo O  
 Teerikorpi Veli Pekka  
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 Urpo Seppo I  
 Valtaoja Esko  
 Valtaoja Leena  
 Valtonen Mauri J  
 Vilhu Osmi  
 Zheng Jia-Qing

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 Alecian Georges

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 Allegre Claude  
 Alloin Danielle  
 Aly Jean Jacques

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 Amram Philippe  
 Andriat Yvette  
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 Arnaud Monique  
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 Artzner Guy  
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 Assus Pierre  
 Athanassoula Evangelia  
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 Audouze Jean  
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 Barlier Francois E  
 Barriot Jean-Pierre  
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 Berger Christiane  
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 Bommier Veronique  
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 Bonnet-Bidaud Jean Marc  
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 Bougeard Mireille L  
 Bougeret Jean Louis  
 Bouigue Roger  
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 Bouvier Jerome  
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 Brunet Jean-Pierre  
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 Bryant John  
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 Burnage Robert  
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 Capitaine Nicole  
 Caplan James  
 Carquillat Jean-Michel  
 Casoli Fabienne  
 Casse Michel  
 Castets Alain  
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 Cayrel de Strobel Giusa  
 Cazenave Anny  
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 Cesarsky Diego A  
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 Chevrel Serge  
 Chollet Fernand  
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 Clairemidi Jacques  
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 Collin-Souffrin Suzy  
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 Combes Michel  
 Comte Georges  
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 Connes Pierre  
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 Cornille Marguerite  
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 Courtin Regis  
 Couteau Paul  
 Couturier Pierre  
 Cox Pierre  
 Creze Michel  
 Crifo Francoise  
 Crovisier Jacques  
 Cruvellier Paul E  
 Cruzalebes Pierre  
 Cuny Yvette J  
 d'Hendecourt Louis  
 Daigne Gerard  
 Daniel Jean Yves  
 Davoust Emmanuel  
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 de la Noe Jerome  
 de Lapparent-Gurriet Valerie  
 Debarbat Suzanne V  
 Deharveng Jean-Michel  
 Deharveng Lise  
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 Delannoy Jean  
 Delmas Christian  
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 Dennefeld Michel  
 Desesquelles Jean  
 Despois Didier  
 Divan Lucienne  
 Doazan Vera  
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 Dollfus Audouin  
 Donas Jose  
 Donati Jean-Francois  
 Dourneau Gerard  
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 Dubois Pascal  
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 Duchesne Maurice  
 Ducourant Christine

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 Dulk George A  
 Dumont Rene  
 Dumont Simone  
 Duriez Luc  
 Durouchoux Philippe  
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 Encrenaz Therese  
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 Faurobert-Scholl Marianne  
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 Feissel Martine  
 Felenbok Paul  
 Ferlet Roger  
 Fernandez Jean-Claude  
 Festou Michel C  
 Floquet Michele  
 Florsch Alphonse  
 Forestini Manuel  
 Fort Bernard P  
 Forveille Thierry  
 Fossat Eric  
 Foy Renaud  
 Fraix-Burnet Didier  
 Francois Patrick  
 Freire Ferrero Rubens G  
 Fresneau Alain  
 Friedjung Michael  
 Fringant Anne-Marie  
 Frisch Helene  
 Frisch Uriel  
 Froeschle Christiane D  
 Froeschle Claude  
 Froeschle Michel  
 Fulchignoni Marcello  
 Gabriel Alan H  
 Gaignebet Jean  
 Gallouet Louis  
 Gambis Daniel  
 Gargaud Muriel  
 Garnier Robert  
 Gautier Daniel  
 Gay Jean  
 Genova Francoise  
 Georgelin Yvon P  
 Georgelin Yvonne M  
 Gerard Eric  
 Gerbal Daniel  
 Gerbaldi Michele  
 Gerin Maryvonne  
 Gillet Denis  
 Giraud Edmond  
 Goldbach Claudine Mme  
 Gomez Ana E  
 Gonczi Georges  
 Gonzales Jean-Francois  
 Gordon Charlotte  
 Goret Philippe  
 Gouguenheim Lucienne  
 Goupil Marie Jose  
 Gouttebroze Pierre  
 Granveaud Michel  
 Grec Gerard  
 Grenier Isabelle  
 Grenier Suzanne  
 Greve Albert  
 Grudler Pierre  
 Gry Cecile  
 Guelin Michel  
 Guerin Pierre  
 Guibert Jean  
 Guiderdoni Bruno  
 Guinot Bernard R  
 Halbwachs Jean Louis  
 Hammer Francois  
 Harvey Christopher C  
 Hayli Avram  
 Heck Andre  
 Hecquet Josette  
 Heidmann Jean  
 Henon Michel C  
 Henoux Jean-Claude  
 Heudier Jean-Louis  
 Heydari-Malayeri Mohammad  
 Heyvaerts Jean  
 Hoang Binh Dy  
 Hoffman Jeffrey Alan  
 Hua Chon Trung  
 Hubert-Delplace A -M  
 Imbert Maurice  
 Irigoyen Maylis  
 Israel Guy Marcel  
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 Jacq Thierry  
 Jacquinet Pierre  
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 Joubert Martine  
 Journet Alain  
 Jung Jean  
 Kahane Claudine  
 Kandel Robert S  
 Kazes Ilya  
 Klein Karl Ludwig  
 Kneib Jean-Paul  
 Koch-Miramond Lydie  
 Koehlin Laurent  
 Kourganoff Vladimir  
 Koutchmy Serge  
 Kovalevsky Jean  
 Krikorian Ralph  
 Kunth Daniel  
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 Labeyrie Jacques  
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 Laclare Francis  
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 Lafon Jean-Pierre J  
 Lagrange Anne-Marie  
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 Laurent Claudine  
 Laval Annie  
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 Le Fevre Olivier  
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 Leach Sydney  
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 Lebre Agnes  
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 Lefebvre Michel  
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 Leger Alain  
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 Lemaire Jean-Louis  
 Lemaire Philippe  
 Lemaitre Gerard R  
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 Leorat Jacques  
 Lequeux James  
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Louise Raymond	Morel Pierre Jacques	Praderie Francoise
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Marcelin Michel	Nadal Robert	Querci Monique
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Mavrides Stamatia	Parisot Jean-Paul	Robin Annie C
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McCarroll Ronald	Paul Jacques	Rocca-Volmerange Brigitte
Megessier Claude	Pecker Jean-Claude	Roncin Jean-Yves
Mein Nicole	Pedersen Bent M	Roques Francoise
Mein Pierre	Pedoussaut Andre	Roques Sylvie
Mekarnia Djamel	Pellas Paul	Rosch Jean
Mellier Yannick	Pellet Andre	Rostas Francois
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Menessier Marie-Odile	Pello Roser Descayre	Rouan Daniel
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 van Regemorter Henri  
 van't Veer Frans  
 van't Veer-Menneret Claude  
 Vapillon Loic J  
 Vauclair Gerard P  
 Vauclair Sylvie D

Vauglin Isabelle  
 Velli Marco  
 Verdet Jean-Pierre  
 Vergez Madeleine  
 Veron Marie-Paule  
 Veron Philippe  
 Vial Jean-Claude  
 Viala Yves  
 Viallefond Francois  
 Vidal Jean-Louis  
 Vidal-Madjar Alfred  
 Vienne Alain  
 Vigier Jean-Pierre  
 Vigroux Laurent  
 Vilkki Erkki U  
 Vilmer Nicole  
 Viton Maurice  
 Volonte Sergio  
 Vu Duong Tuyen  
 Vuillemin Andre  
 Walch Jean-Jacques  
 Weimer Theophile P F  
 Wenger Marc  
 Weniger Schame  
 Widemann Thomas  
 Wink Joern Erhard  
 Wlerick Gerard  
 Woltjer Lodewijk  
 Wozniak Herve  
 Zahn Jean-Paul  
 Zambon Giulio  
 Zavagno Annie  
 Zeippen Claude  
 Zorec Juan

### Georgia

Bartaya R A  
 Borchkhadze Tengiz M  
 Chkhikvadze Iakob N  
 Dolidze Madona V  
 Dzhapiashvili Victor P  
 Dzigvashvili R M  
 Kalandadze N B

Kharadze E K  
 Khatishashvili Alfez Sh  
 Khetsuriani Tsiala S  
 Kiladze R I  
 Kogoshvili Natela G  
 Kumsishashvili Mzia I  
 Kumsishvili J I

Kurtanidze Omar  
 Lominadze Jumber  
 Magnaradze Nina G  
 Salukvadze G N  
 Toroshlidze Teimuraz I

### Germany

Abraham Peter  
 Albrecht Miguel A  
 Albrecht Rudolf  
 Altenhoff Wilhelm J  
 Anzer Ulrich

Appenzeller Immo  
 Arp Halton  
 Aschenbach Bernd  
 Aurass Henry  
 Axford W Ian

Baade Dietrich  
 Bade Norbert  
 Baessgen Martin  
 Bahner Klaus  
 Baier Frank

Balthasar Horst	de Vegt Chr	Gruen Eberhard
Barrow Colin H	Degenhardt Detlev	Guenther Eike
Bartelmann Matthias	Deinzer W	Guertler Joachim
Barwig Heinz	Deiss Bruno M	Guesten Rolf
Baschek Bodo	Dettmar Ralf-Juergen	Gussmann E A
Bastian Ulrich	Deubner Franz-Ludwig	Gutcke Dietrich
Beck Rainer	Dick Wolfgang	Hachenberg Otto
Becker Sylvia	Diercksen Geerd H F	Haefner Reinhold
Beckwith Steven V W	Dietrich Matthias	Haerendel Gerhard
Behr Alfred	Domke Helmut	Hagen Hans-Juergen
Bender Ralf	Dorenwendt Klaus	Hagfors Tor
Bendlin Cornelia	Dorschner Johann	Hahn Gerhard J
Benvenuti Piero	Drapatz Siegfried W	Hamann Wolf-Rainer
Bergeron Jacqueline A	Drechsel Horst	Hammer Reiner
Berkhuijsen Elly M	Duerbeck Hilmar W	Hanuschik Reinhard
Bernstein Hans Heinrich	Duschl Wolfgang J	Harris Alan William
Beuermann Klaus P	Ehlers Jurgen	Hartquist Thomas Wilbur
Bien Reinhold	El Eid Mounib	Haser Leo N K
Biermann Peter L	Elsaesser Hans	Hasinger Guenter
Birkle Kurt	Elwert Gerhard	Haslam C Glyn T
Bleyer Ulrich	Enard Daniel	Haupt Wolfgang
Blum Peter	Engels Dieter	Hazlehurst John
Boehnhardt Hermann	Enslin Heinz	Heber Ulrich
Boerner Gerhard	Fahr Hans Joerg	Hefele Herbert
Boerngen Freimut	Feitzinger Johannes	Heidt Jochen
Bohn Horst-Ulrich	Feix Gerhard	Heinrich Inge
Bohrmann Alfred	Fiebig Dirk	Heller Clayton
Bomans Dominik J	Fosbury Robert A E	Hemmler Gerhard
Borgeest Ulf	Freudling Wolfram	Henkel Christian
Boschan Peter	Fricke Klaus	Henning Thomas
Brandt Peter N	Fried Josef Wilhelm	Hensler Gerhard
Brauninger Heinrich	Friedemann Christian	Herbstmeier Uwe
Braunsfurth Edward	Fritze Klaus	Hering Roland
Breinhorst Robert A	Fritze-von Alvensleben Ute	Herman Jacobus
Breitschwerdt Dieter	Fuchs Burkhard	Herold Heinz
Breysacher Jacques	Fuerst Ernst	Herrmann Dieter
Brinkmann Wolfgang	Gail Hans-Peter	Hessman Frederic Victor
Brosche Peter	Gebler Karl-heinz	Hildebrandt Joachim
Bruch Albert	Geffert Michael	Hilf Eberhard R H
Bruzek Anton	Gehren Thomas	Hillebrandt Wolfgang
Buechner Joerg	Genzel Reinhard	Hippelein Hans H
Bues Irmela D	Geyer Edward H	Hirth Wolfgang Ernst
Butler Keith	Giacconi Riccardo	Hoeflich Peter
Camenzind Max	Gilmozzi Roberto	Hoffmann Martin
Carsenty Uri	Glatzel Wolfgang	Hofmann Wilfried
Che-Bohnenstengel Anne	Gondolatsch Friedrich	Holweger Hartmut
Chini Rolf	Gottloeber Stefan	Hopp Ulrich
Crane Philippe	Graham David A	Horedt Georg Paul
Cullum Martin	Grahl Bernd H	House Franklin C
d'Odorico Sandro	Grewing Michael	Hubrig Swetlana
Dachs Joachim	Groenewegen Martin	Huchtmeier Walter K
Danziger I John	Groote Detlef	Hummel Wolfgang
Dautcourt G	Grosbol Preben Johnson	Hunger Kurt
de Boer Klaas Sjoerds	Grossmann-Doerth U	Husfeld Dirk
de Kool Marthijn	Groten Erwin	Ip Wing-huen

- Isserstedt Joerg  
 Jackisch Gerhard  
 Jaeger Friedrich W  
 Jahreiss Hartmut  
 Jedamzik Karsten  
 Jensch A  
 Jockers Klaus  
 Jordan H L direktor  
 Jordan Stefan  
 Junkes Norbert  
 Just Andreas  
 Kaehler Helmuth  
 Kafka Peter  
 Kalberla Peter  
 Kanbach Gottfried  
 Kasper U  
 Kaufmann Jens Peter  
 Kayser Rainer  
 Kegel Wilhelm H  
 Keller Hans Ulrich  
 Keller Horst Uwe  
 Kendziorra Eckhard  
 Kentischer Thomas  
 Khanna Ramon  
 Kilian-Montenbruck Judith  
 Kippenhahn Rudolf  
 Kirk John  
 Klare Gerhard  
 Klein Ulrich  
 Kliem Bernhard  
 Klinkhamer Frans  
 Klose Sylvio  
 Kneer Franz  
 Koehler H  
 Koehler Peter  
 Koehler-Vogel Suzanne  
 Koempe Carsten  
 Koeppe Joachim  
 Koester Detlev  
 Kohoutek Lubos  
 Kokott Wolfgang  
 Kollatschny Wolfram  
 Kraemer Gerhard  
 Krause Marita  
 Krautter Joachim  
 Kreisel E  
 Kreysa Ernst  
 Kroupa Pavel  
 Kruegel Endrik  
 Krueger Albrecht  
 Kudritzki Rolf-Peter  
 Kuehne Christoph F  
 Kuehr Helmut  
 Kuenzel Horst  
 Kundt Wolfgang  
 Kunitzsch Paul  
 Kunze Ruediger  
 la Dous Constanze A  
 Labs Dietrich  
 Lamla Erich E  
 Langer Norbert  
 Lederle Trudpert  
 Lehman Holger  
 Leibundgut Bruno  
 Leinert Christoph  
 Lemke Dietrich  
 Lemke Michael  
 Lenhardt Helmut  
 Lenzen Rainer  
 Lesch Harold  
 Liebscher Dierck E  
 Lorenz Hilmar  
 Lucy Leon B  
 Luest Reimar  
 Luks Thomas  
 Mac Low Mordecai-Mark  
 Mandel Holger  
 Mann Gottfried  
 Mann Ingrid  
 Mannheim Karl  
 Matas Vladimir R  
 Materne Juergen  
 Mattig W  
 Mauder Horst  
 Mebold Ulrich  
 Meinig Manfred  
 Meisenheimer Klaus  
 Meister Claudia Veronika  
 Mendez Roberto H  
 Merkle Fritz  
 Metz Klaus  
 Meusinger Helmut  
 Meyer Friedrich  
 Meyer-Hofmeister Eva  
 Meylan Georges  
 Mezger Peter G  
 Minniti Dante  
 Mo Houjun  
 Moehler Sabine  
 Moehlmann Diedrich  
 Moellenhoff Claus  
 Moeller Palle  
 Moorwood Alan F M  
 Muecket Jan P  
 Mueller Ewald  
 Mueller Volker  
 Mundt Reinhard  
 Napiwotzki Ralf  
 Neckel Heinz  
 Neckel Th  
 Nesis Anastasios  
 Neukum G  
 Notni P  
 Oestreicher Roland  
 Oetken L  
 Oleak H  
 Ott Heinz-Albert  
 Paresce Francesco  
 Patnaik Alok Ranjan  
 Pauldrach Adalbert W A  
 Pauliny Toth Ivan K K  
 Petri Winfried  
 Pfau Werner  
 Pfenning Hans H  
 Pflug Klaus  
 Pinkau K  
 Pitz Eckhart  
 Porcas Richard  
 Preuss Eugen  
 Priester Wolfgang  
 Puls Joahim  
 Raedler K H  
 Rauch Thomas  
 Refsdal Sjur  
 Reich Wolfgang  
 Reif Klaus  
 Reimers Dieter  
 Reinsch Klaus  
 Richter G A  
 Richter Gotthard  
 Richter Johannes  
 Richtler Tom  
 Rieger Erich  
 Ripken Hartmut W  
 Ritter Hans  
 Roemer Max  
 Roeser Hans-peter  
 Roeser Hermann-Josef  
 Roeser Siegfried  
 Roessiger Siegfried  
 Rohlfs Kristen  
 Rosa Dorothea  
 Rosa Michael Richard  
 Roth-Hoppner Maria Luise  
 Ruben G  
 Ruder Hanns  
 Ruediger Guenther  
 Rupprecht Gero  
 Saglia Roberto Philip  
 Sakhibov Firouz  
 Sams Bruce Jones III  
 Schaefer Gerhard  
 Schaifers Karl  
 Scheffler Helmut  
 Schilbach Elena

Schindler Karl	Seitter Waltraut C	Voelk Heinrich J
Schindler Sabine	Sengbusch Kurt V	Vogt Nikolaus
Schleicher Helmold	Serafin Richard A	Voigt Hans H
Schlickeiser Reinhard	Shaver Peter A	Volland H
Schlosser Wolfhard	Sherwood William A	von Appen-Schnur Gerhard F
Schlueter A	Sieber Wolfgang	von Borzeszkowski H H
Schlueter Dieter	Simon Klaus Peter	von der Luehe Oskar
Schmadel Lutz D	Smith Michael	von Hoerner Sebastian
Schmeidler F	Soffel Michael	von Montigny Corinna
Schmid Hans Martin	Solf Josef	von Weizsaecker C F
Schmid-Burgk J	Sollazzo Claudio	Wagner Stefan
Schmidt H U	Soltau Dirk	Walmsley C Malcolm
Schmidt Hans	Spruit Henk C	Walter Hans G
Schmidt K H	Spurzem Rainer	Wambsganss Joachim
Schmidt Thomas	Stahl Otmar Richard	Warmels Rein Herm
Schmidt Wolfgang	Stange Lothar	Wehrse Rainer
Schmidt-Kaler Theodor	Staubert Ruediger Prof	Weidemann Volker
Schmitt Dieter	Staupe Hans Jakob	Weigelt Gerd
Schneider Peter	Staupe Juergen	Weiss Achim
Schoeffel Eberhard F	Stecklum Bringfried	Wellmann Peter
Schoenberner Detlef	Steffen Matthias	Wendker Heinrich J
Schoeneich W	Steiner Oskar	Wenzel W
Schoenfelder Volker	Steinert Klaus Guenter	Werner Klaus
Scholz Gerhard	Steinle Helmut	West Richard M
Scholz M	Stix Michael	Wiehr Eberhard
Scholz Ralf Dieter	Strohmeier Wolfgang	Wielebinski Richard
Schramm K Jochen	Stumpff Peter	Wielen Roland
Schramm Thomas	Stutzi Juergen	Wilson P
Schroeder Klaus Peter	Syer David	Wilson Thomas L
Schroeder Rolf	Szostak Roland	Winnewisser Gisbert
Schroeter Egon H	Tacconi Linda J	Wisotzki Lutz
Schrufer Eberhard	Tacconi-Garman Lowell E	Wittmann Axel D
Schubart Joachim	Tarengi Massimo	Witzel Arno
Schuecker Peter	Theis Christian	Woehl Hubertus
Schuessler Manfred	Thielheim Klaus O	Wolf Bernhard
Schultz G V	Thomas Hans -Christoph	Wolf Rainer E A
Schulz Hartmut	Tiersch Heinz	Wouterloot Jan Gerard A
Schulz Rolf Andreas	Traving Gerhard	Wuensch Johann Jakob
Schumann Joerg Dieter	Treder H J	Wunner Guenter
Schutz Bernard F	Trefftz Eleonore E	Yamada Shoichi
Schwan Heiner	Treumann Rudolf A	Yorke Harold W
Schwartz Rolf	Truemper Joachim	Zekl Hans Wilhelm
Schwekendiek Peter	Tscharnuter Werner M	Zerull Reiner H
Schwope Axel	Tucholke Hans-Joachim	Zickgraf Franz Josef
Scorza de Appl Cecilia	Tueg Helmut	Ziegler Harald
Sedlmayer Erwin	Ulmschneider Peter	Zimmermann Helmut
Seggewiss Wilhelm	Ulrich Bruce T	Zinnecker Hans
Seifert Walter	Ulrich Marie-Helene D	Zylka Robert

## Greece

Abbott William N	Antonopoulou E	Avgoloupis Stavros
Alissandrakis C	Arabelos Dimitrios	Banos Cosmas J
Antonacopoulos Greg	Asteriadis Georgios	Banos George J



Barbanis Basil  
 Bellas-Velidis Ioannis  
 Bozis George  
 Caranicolas Nicholas  
 Caroubalos C A  
 Chrysovergis Michael  
 Contadakis Michael E  
 Contopoulos George  
 Danezis Emmanuel  
 Dapergolas A  
 Dara Helen  
 Deliyannis Jean  
 Dialetis Dimitris  
 Dionysiou Demetrios  
 Geroyannis Vassilis E  
 Goudas Constantine L  
 Goudis Christos D  
 Hadjidemetriou John D  
 Hantzios Panayiotis  
 Hiotelis Nicolaos  
 Isliker Heinz  
 Kazantzis Panayotis  
 Kokkotas Konstantinos  
 Kontizas Evangelos  
 Kontizas Mary  
 Korakitis Romylos  
 Kylaflis Nikolaos D

Laskarides Paul G  
 Liritzis Ioannis  
 Markellos Vassilis V  
 Mathioudakis Mihalis  
 Mavraganis A G  
 Mavridis L N  
 Mavromichalaki Helen  
 Merzanides Constantinos  
 Metaxa Margarita  
 Moussas Xenophon  
 Niarchos Panayiotis  
 Nicolaidis Eftymios  
 Papaalias Philip  
 Papathanasoglou D  
 Papayannopoulos Th  
 Persides Sotirios C  
 Petropoulos Basil Ch  
 Pinotsis Antonis D  
 Plionis Manolis  
 Polymilis Chronis  
 Poulakos Constantine  
 Preka-Papadema P  
 Prokakis Theodore J  
 Rovithis Peter  
 Rovithis-Livaniou Helen  
 Sarris Eleftherios  
 Sarris Emmanuel T

Seimenis John  
 Seiradakis John Hugh  
 Spithas Elefterios N  
 Spyrou Nicolaos  
 Stathopoulou Maria  
 Svoloopoulos Sotirios  
 Terzides Charalambos  
 Theodossiou Efstratios  
 Tritakis Basil P  
 Tsamparlis Michael  
 Tsikoudi Vassiliki  
 Tsinganos Kanaris  
 Tsioumis Alexandros  
 Tsiropoula Georgia  
 Vardavas Ilias Mihail  
 Varvoglis H  
 Veis George  
 Ventura Joseph  
 Vlachos Demetrius G  
 Vlahos Loukas  
 Voglis Nikos  
 Xiradaki Evangelia  
 Zachariadis Theodosios  
 Zachilas Loukas  
 Zafiroopoulos Basil  
 Zikides Michael C

### Hungary

Almar Ivan  
 Bagoly Zsolt  
 Balazs Bela A  
 Balazs Lajos G  
 Barcza Szabolcs  
 Barlai Katalin  
 Csada Imre K  
 Dezso Lorant  
 Erdi B  
 Fejes Istvan  
 Gerlei Otto  
 Grandpierre Attila  
 Gyori Lajos  
 Horvath Andras

Ill Marton J  
 Illes Almar Erzsebet  
 Jankovics Istvan  
 Kalman Bela  
 Kanyo Sandor  
 Kelemen Janos  
 Kollath Zoltan  
 Kovacs Agnes  
 Kovacs Geza  
 Kun Maria  
 Lovas Miklos  
 Ludmany Andras  
 Marik Miklos  
 Marx Gyorgy

Olah Katalin  
 Paparo Margit  
 Patkos Laszlo  
 Petrovay Kristof  
 Szabados Laszlo  
 Szatmary Karoly  
 Szecsenyi-Nagy Gabor  
 Szego Karoly  
 Szeidl Bela  
 Toth Imre  
 Veres Ferenc  
 Vinko Jozsef  
 Zsoldos Endre

### Iceland

Bjoernsson Gunnlaugur  
 Gudmundsson Einar H

Juliusson Einar  
 Saemundson Thorsteinn

## India

Abhyankar Krishna D	Cowsik Ramanath	Kushwaha R S
Acharya Bannanje S	Dadhich Naresh	Lal Devendra
Aggarwal Kanti Mal	Damle S V	Mahra H S
Agrawal P C	Das Mrinal Kanti	Mallik D C V
Ahmad Farooq	Das P K	Manchanda R K
Alladin Saleh Mohamed	Datta Bhaskar	Manoharan P K
Alurkar S K	Degaonkar S S	Marar T M k
Ambastha A K	Desai Jyotindra N	Mathur B S
Anandaram Mandayam N	Deshpande Avinash	Mitra A P
Ananthkrishnan S	Deshpande M R	Mohan Chander
Anantharamaiah K R	Dhurandhar Sanjeev	Mohan Vijay
Ansari S M Razaullah	Duorah Hira Lal	Nagendra K N
Antia H M	Durgaprasad N	Namboodiri P M S
Anupama G C	Dwarakanath K S	Narain Udit
Apparao K M V	Dwivedi Bhola Nath	Naranan S
Ashok N M	Gaur V P	Narasimha Delampady
Auluck Faqir Chand	Ghosh Kajal Kumar	Narayana J V
Babu G S D	Ghosh P	Narlikar Jayant V
Bagare S P	Ghosh S K	Nath Mishra Kameshwar
Balasubramanian V	Giridhar Sunetra	Nityananda R
Ballabh G M	Gokhale Moreshwar Hari	Padalia T D
Bandyopadhyay A	Gopala Rao U V	Padmanabhan Janardhan
Banerji Sriranjjan	Goswami J N	Padmanabhan T
Banhatti Dilip Gopal	Goyal A N	Pande Girish Chandra
Basu Baidyanath	Goyal Ashok Kumar	Pande Mahesh Chandra
Bhandari N	Gupta Sunil K	Pandey A K
Bhandari Rajendra	Gupta Yashwant	Pandey S K
Bhat Chaman Lal	Gurm Hardev S	Pandey Uma Shankar
Bhat Narayana P	Hasan Saiyid Strajul	Parthasarathy M
Bhatia Prem K	Iyengar K V K	Pati A K
Bhatia R K	Iyengar Srinivasan Rama	Peraiah Annamaneni
Bhatia V B	Iyer B R	Prabhakaran Nayar S R
Bhatnagar Arvind	Jain Rajmal	Prabhu Tushar P
Bhatnagar Ashok Kumar	Jayarajan A P	Prasanna A R
Bhatnagar K B	Jog Chanda J	Pratap R
Bhatt H C	Joshi Mohan N	Punetha Lalit Mohan
Bhattacharjee Pijushpani	Joshi Suresh Chandra	Raghavan Nirupama
Bhattacharya Dipankar	Joshi U C	Rajamohan R
Bhattacharyya J C	Kandpal Chandra D	Raju P K
Bhonsle Rajaram V	Kapahi Vijay K	Raju Vasundhara
Biswas Sukumar	Kapoor Ramesh Chander	Rakshit H
Boddapati G Anandarao	Kasturirangan K	Ram Sagar
Bondal Krishna Raj	Kaul Chaman	Ramadurai Souriraja
Chakrabarti Sandip K	Kembhavi Ajit K	Ramamurthy Swaminathan
Chakraborty Deo K	Khare Pushpa	Ramana Murthy P V
Chandra Suresh	Kilambi G C	Rangarajan K E
Chandrasekhar T	Kochhar R K	Rao A Pramesh
Chaoudhuri Arnab	Krishna Gopal	Rao Arikkala Raghurama
Chaubey Uma Shankar	Krishna Swamy K S	Rao D Mohan
Chitre Shashikumar M	Krishnamohan S	Rao M N
Chokshi Arati	Krishnan Thiruvenkata	Rao N Kameswara
Choudary Debi Prasad	Kulkarni Prabhakar V	Rao P Vivekananda
Choudhuri Arnab Rai	Kulkarni Vasant K	Rao Ramachandra V

Rautela B S  
 Raveendran A V  
 Ray Alak  
 Raychaudhuri Amalkumar  
 Raychaudhuri Somak  
 Razdan Hiralal  
 Rengarajan T N  
 Saha Swapan Kumar  
 Sahni Varun  
 Saikia Dhruba Jyoti  
 Sanwal Basant Ballabh  
 Sanwal N B  
 Sapre A K  
 Sarma M B K  
 Sarma N V G  
 Sastri Hanumath J  
 Sastry Ch V  
 Sastry Shankara K  
 Saxena A K  
 Saxena P P  
 Seshadri Sridhar  
 Shahul Hameed Mohin  
 Shastri Prajval

Shevgaonkar R K  
 Shukla K  
 Shukre C S  
 Singh H P  
 Singh Jagdev  
 Singh Kulinder Pal  
 Sinha K  
 Sinvhal Shambhu Dayal  
 Sivaram C  
 Sivaraman K R  
 Sonti Sreedhar Rao  
 Sreekantan B V  
 Srinivasan G  
 Srivastava Dhruva  
 Srivastava J B  
 Srivastava Ram Kumar  
 Stephens S A  
 Subrahmanya C R  
 Subrahmanyam P V  
 Subramanian K R  
 Subramanian Kandaswamy  
 Swarup Govind  
 Talwar Satya P

Tandon Jagdish Narain  
 Tandon S N  
 Tapde Suresh Chandra  
 Thakur Ratna Kumar  
 Tonwar Suresh C  
 Trehan Surindar K  
 Tripathi B M  
 Udaya Shankar N  
 Vahia Mayank N  
 Vaidya P C  
 Vardya M S  
 Varma Ram Kumar  
 Vasu-Mallik Sushma  
 Vats Hari OM  
 Venkatakrishnan P  
 Venugopal V R  
 Verma R P  
 Verma Satya Dev  
 Verma V K  
 Vinod S Krishan  
 Vishveshwara C V  
 Vivekanand M  
 Vivekananda Rao

#### Indonesia

Dawanas Djoni N  
 Hidayat Bambang  
 Ibrahim Jorga  
 Malasan Hakim Luthfi

Radiman Iratius  
 Raharto Moedji  
 Ratag Mezak Arnold  
 Siregar Suryadi

Sukartadiredja Darsa  
 Sutantyo Winardi  
 Wiramihardja Suhardja  
 Wiyanto Paulus

#### Iran

Adjabshirizadeh Ali  
 Ardebili M Reza  
 Dehghani Mohammad Hossein  
 Edalati Sharbaf Mohammad T  
 Ghanbari Jamshid

Jassur Davoud M Z  
 Kalafi Manoucher  
 Khaled Bahram  
 Kiasatpoor Ahmad  
 Malakpur Iradj

Mansouri Reza  
 Riazi Nematollah  
 Sadollah Nasiri Gheidari  
 Sobouti Yousef  
 Teherany D

#### Ireland

Breslin Ann  
 Callanan Paul  
 Carroll P Kevin  
 Cawley Michael  
 Drury Luke O'Connor  
 Elliott Ian  
 Fegan David J  
 Florides Petros S  
 Gillanders Gerard  
 Haywood J  
 Hoey Michael J

Kennedy Eugene T  
 Kiang Tao  
 Lang Mark  
 McBreen Brian Philip  
 McCrea J Dermott  
 McKeith Niall Enda  
 McKenna Lawlor Susan  
 Meurs Evert  
 Norci Laura  
 O'Connor Seamus L  
 O'Mongain Eon

O'Sullivan Creidhe  
 O'Sullivan Denis F  
 Porter Neil A  
 Ray Thomas P  
 Redfern Michael R  
 Russell Stephen  
 Shearer Andrew  
 Smith Niall  
 van Breda Ian G  
 Wayman Patrick A  
 Wrixon Gerard T

## Israel

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 Bekenstein Jacob D  
 Braun Arie  
 Brosch Noah  
 Cuperman Sami  
 Dekel Avishai  
 Ershkovich Alexander  
 Eviatar Aharon  
 Finzi Arrigo  
 Glasner Shimon Ami  
 Goldman Itzhak  
 Goldsmith S  
 Gradsztajn Eli  
 Harpaz Amos  
 Horwitz Gerald

Ibbetson Peter Aaron  
 Joseph J H  
 Katz Joseph  
 Kovetz Attay  
 Kozlovsky B Z  
 Leibowitz Elia M  
 Livio Mario  
 Mazeh Tsevi  
 Meerson Baruch  
 Meidav Meir  
 Mekler Yuri  
 Neeman Yuval  
 Netzer Hagai  
 Ohring George  
 Pekeris Chaim Leib

Prialnik-Kovetz Dina  
 Rakavy Gideon  
 Regev Oded  
 Rephaeli Yoel  
 Sack Noam  
 Sadeh D  
 Segaluvitz Alexander  
 Shaviv Giora  
 Shiryaev Alexander A  
 Steinitz Raphael  
 Tuchman Ytzhak  
 Vager Zeev  
 Vidal Nissim V  
 Yeivin Y

## Italy

Abrami Alberto  
 Aiello Santi  
 Alighieri Sparello Di Serego  
 Altamore Aldo  
 Ambrosini Roberto  
 Amendola Luca  
 Andreani Paola Michela  
 Angeletti Lucio  
 Anile Angelo M  
 Antonello Elio  
 Antonucci Ester  
 Antonuccio-Delogu Vincenzo  
 Auriemma Giulio  
 Badiali Massimo  
 Badolati Ennio  
 Baffa Carlo  
 Baldinelli Luigi  
 Ballario M C  
 Bandiera Rino  
 Banni Aldo  
 Baratta Giovanni Battista  
 Baratta Giuseppe Antonio  
 Barbaro G  
 Barberis Bruno  
 Barbieri Cesare  
 Barbon Roberto  
 Barletti Raffaele  
 Barone Fabrizio  
 Bartolini Corrado  
 Battinelli Paolo  
 Battistini Pierluigi  
 Bedogni Roberto  
 Belvedere Gaetano  
 Benacchio Leopoldo

Bendinelli Orazio  
 Bernacca Pietio L  
 Berrilli Francesco  
 Bertelli Gianpaolo  
 Bertin Giuseppe  
 Bertola Francesco  
 Bettoni Daniela  
 Bianchini Antonio  
 Bignami Giovanni F  
 Blanco Carlo  
 Bodo Gianluigi  
 Bonaccini Domenico  
 Bonanno Giovanni  
 Bonanno Giovanni  
 Bonifazi Angelo  
 Bono Giuseppe  
 Bonoli Fabrizio  
 Bonometto Silvio A  
 Braccesi Alessandro  
 Brand Jan  
 Brini Domenico  
 Brocato Enzo  
 Broglia Pietro  
 Bucciarelli Beatrice  
 Buonanno Roberto  
 Buson Lucio M  
 Busso Maurizio  
 Buzzoni Alberto  
 Cacciani Alessandro  
 Caccin Bruno  
 Calamai Giovanni  
 Caloi Vittoria  
 Calvani Massimo  
 Cantu Alberto M

Capaccioli Massimo  
 Capaccioni Fabrizio  
 Cappellaro Enrico  
 Cappi Alberto  
 Capria Maria Teresa  
 Caprioli Giuseppe  
 Caputo Filippina  
 Capuzzo Dolcetta Roberto  
 Cardini Daniela  
 Carpino Mario  
 Carusi Andrea  
 Cassatella Angelo  
 Castellani Vittorio  
 Castelli Fiorella  
 Catalano Francesco A  
 Catalano Santo  
 Cauzzi Gianna  
 Cavaliere Alfonso G  
 Cavallini Fabio  
 Cazzola Paolo  
 Cecchi-Pellini Cesare  
 Cellino Alberto  
 Ceppatelli Guido  
 Cerroni Priscilla  
 Cerruti'sola Monica  
 Cester Bruno  
 Cevolani Giordano  
 Chincarini Guido L  
 Chiosi Cesare S  
 Chiuderi Claudio  
 Chiuderi-Drago Franca Pr  
 Chiumiento Giuseppe  
 Chlistovsky Franca  
 Ciatti Franco

- Citterio Oberto  
 Colangeli Luigi  
 Colombo G  
 Coluzzi Regina  
 Comastri Andrea  
 Comoretto Giovanni  
 Conconi Paolo  
 Coradini Angioletta  
 Corbelli Edvige  
 Cosmovici Batalli C  
 Costa Enrico  
 Covino Elvira  
 Cristaldi Salvatore  
 Cristiani Stefano  
 Crivellari Lucio  
 Cugusi Leonino  
 Curir Anna  
 Cutispoto Giuseppe  
 D'Antona Francesca  
 Dall-Oglio Giorgio  
 Dallaporta N  
 Danese Luigi  
 de Biase Giuseppe A  
 de Felice Fernando  
 de Martino Domitilla  
 de Ruyter Hans Rudolf  
 de Sabbata Vittorio  
 de Sanctis Giovanni  
 de Zotti Gianfranco  
 Della Valle Massimo  
 Di Cocco Guido  
 Di Fazio Alberto  
 Di Martino Mario  
 Di Tullio Graziella  
 Einaudi Giorgio  
 Emanuele Alessandro  
 Facondi Silvia Rosa  
 Falchi Ambretta  
 Falciani Roberto  
 Falomo Renato  
 Fanti Carla Giovannini  
 Fanti Roberto  
 Faraggiana Rosanna  
 Farinella Paolo  
 Federici Luciana  
 Felli Marcello  
 Feretti Luigina  
 Ferluga Steno  
 Ferrari Attilio  
 Ferreri Walter  
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 Focardi Paola  
 Fodera Serio Giorgia  
 Fofi Massimo  
 Forti Giuseppe  
 Fortini Teresa  
 Franceschini Alberto  
 Franchini Mariagrazia  
 Franco Mantovani  
 Fulle Marco  
 Fusco-Femiano Roberto  
 Fusi Pecci Flavio  
 Galeotti Piero  
 Galletta Giuseppe  
 Galletto Dionigi  
 Galliano Pier Giorgio  
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 Gaudenzi Silvia  
 Gavazzi Giuseppe  
 Gemmo Alessandra  
 Ghisellini Gabriele  
 Giachetti Riccardo  
 Giallongo Emanuele  
 Giannone Pietro  
 Giannuzzi Maria A  
 Giovanardi Carlo  
 Giovannelli Franco  
 Giovannini Gabriele  
 Giuricin Giuliano  
 Godoli Giovanni  
 Gomez Maria Theresa  
 Gratton Raffaella G  
 Greggio Laura  
 Gregorini Loretta  
 Grubissich C  
 Grueff Gavril  
 Guarnieri Adriano  
 Guerrero Gianantonio  
 Guzzo Luigi  
 Hack Margherita  
 Held Enrico V  
 Huang Song-nian  
 Hunt Leslie  
 Iijima Takashi  
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 Landi Degl-Innocenti E  
 Landini Massimo  
 Landolfi Marco  
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 Lari Carlo  
 Lattanzi Mario G  
 Leone Francesco  
 Leschiutta S  
 Leto Giuseppe  
 Lisi Franco  
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 Maceroni Carla  
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Nobili L  
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 Perinotto Mario  
 Perola Giuseppe C  
 Persi Paolo  
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 Picca Domenico  
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 Pinto Girolamo  
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 Polcaro V F  
 Poletto Giannina  
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 Poretti Ennio  
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 Semenzato Roberto  
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 Akabane Tokuhide

Aoki Shinko  
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Hara Tadayoshi	Kaburaki Osamu	Kubota Jun
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Hirata Ryuko	Kato Ken-ichi	Makita Mitsugu

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Masuda Satoshi	Nakazawa Kiyoshi	Saito Takao
Matsuda Takuya	Nambu Yasusada	Sakai Junichi
Matsuhara Hideo	Narita Shinji	Sakamoto Seiichi
Matsui Takafumi	Niimi Yukio	Sakao Tarō
Matsumoto Masamichi	Nishi Keizo	Sakashita Shiro
Matsumoto Ryoji	Nishi Ryoichi	Sakurai Kunitomo
Matsumoto Toshio	Nishida Minoru	Sakurai Takashi
Matsumura Masafumi	Nishida Mitsugu	Sakurai Takeo T
Matsuo Hiroshi	Nishikawa Jun	Sasaki Minoru
Matsuoka Masaru	Nishimura Jun	Sasaki Misao
Mikami Takao	Nishimura Masaki	Sasaki Shin
Mineshige Shin	Nishimura Shiro Emer	Sasaki Toshiyuki
Mitsuda Kazuhisa	Nishio Masanori	Sasao Tetsuo
Miyaji Shigeki	Noguchi Kunio	Sato Fumio
Miyama Syoken	Noguchi Masafumi	Sato Humitaka
Miyamoto Masanori	Nomoto Ken'ichi	Sato Katsuhiko
Miyamoto Sigenori	Obi Shinya	Sato Koichi
Miyoshi Makoto	Oda Minoru	Sato Naonobu
Miyoshi Shigeru	Oda Naoki	Sato Shinji
Mizumoto Yoshihiko	Ogawa Hideo	Sato Shuji
Mizuno Akira	Ogawara Yoshiaki	Sato Yuzo
Mizuno Shun	Ogura Katsuo	Sawa Takeyasu
Mizuno Takao	Ohashi Takaya	Seki Munezo
Mizutani Kohei	Ohashi Yukio	Sekiguchi Maki
Morimoto Masaki	Ohishi Masatoshi	Sekiguchi Naosuke
Morita Kazuhiko	Ohki Kenichiro	Sekimoto Yutaro
Morita Koh-ichiro	Ohnishi Kouji	Shibahashi Hiromoto
Moriyama Fumio	Ohta Kouji	Shibai Hiroshi
Mukai Sonoyo	Ohtani Hiroshi	Shibasaki Kiyoto
Mukai Tadashi	Ohtsubo Junji	Shibata Katsunori M
Murakami Hiroshi	Ohyama Noboru	Shibata Kazunari
Murakami Izumi	Okamoto Isao	Shibata Masaru
Murakami Toshio	Okamura Sadanori	Shibata Shinpei
Nagase Fumiaki	Okazaki Akira	Shibata Yukio
Nagata Tetsuya	Okazaki Atsuo T	Shibazaki Noriaki
Nakada Yoshikazu	Okazaki Seichi	Shigeyama Toshikazu
Nakagawa Naoya	Okuda Haruyuki	Shimasaku Kazuhiro
Nakagawa Takao	Okuda Toru	Shimizu Mikio
Nakagawa Yoshinari	Okumura Sachiko	Shimizu Tsutomu Emer
Nakagawa Yoshitsugu	Onaka Takashi	Simoda Mahiro
Nakai Naomasa	Ono Yoro	Sinzi Akira M
Nakai Yoshihiro	Ooe Masatsugu	Sofue Yoshiaki
Nakajima Hiroshi	Oohara Ken-ichi	Soma Mitsuru
Nakajima Koichi	Osaki Toru	Suda Kazuo
Nakajima Tadashi	Osaki Yoji	Suematsu Yoshinori
Nakamoto Taishi	Owaki Naoaki	Sugai Hajime
Nakamura Akiko M	Ozeki Hiroyuki	Sugawa Chikara
Nakamura Takashi	Sabano Yutaka	Sugimoto Daiichiro
Nakamura Tsuko	Sadakane Kozo	Suginohara Tatsushi
Nakamura Yasuhisa	Saijo Keiichi	Sugitani Koji
Nakano Makoto	Saio Hideyuki	Sugiyama Naoshi
Nakano Syuichi	Saito Kuniji	Sunada Kazuyoshi
Nakano Takenori	Saito Mamoru	Suto Yasushi



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Suzuki Yoshimasa	Tawara Yuzuru	Watanabe Tetsuya
Tabara Hiroto	Terashita Yoichi	Yabushita Shin A
Takaba Hiroshi	Tomimatsu Akira	Yabuuti Kiyoshi
Takada-Hidai Masahide	Tomisaka Kohji	Yamada Yoshiyaki
Takagi Kojiro	Tomita Kenji	Yamagata Tomohiko
Takahara Fumio	Tomita Koichiro	Yamaguchi Shichiro
Takahara Mariko	Toraō Masahisa	Yamamoto Satoshi
Takahashi Koji	Tosa Makoto	Yamamoto Tetsuo
Takahashi Masaaki	Totsuka Yoji	Yamamoto Yoshiaki
Takahashi Tadayuki	Toyama Kiyotaka	Yamaoka Hitoshi
Takakubo Keiya	Tsubaki Tokio	Yamasaki Atsuma
Takakura Tatsuo Emer	Tsuboi Masato	Yamashita Kojun
Takami Hideki	Tsubokawa Ietsune	Yamashita Takuya
Takano Toshiaki	Tsubota Yukimasa	Yamashita Yasumasa
Takarada Katsuo	Tsuchiya Atsushi	Yamauchi Makoto
Takase Bunshiro	Tsuchiya Toshio	Yamauchi Shigeo
Takato Naruhisa	Tsuji Takashi	Yamazaki Akira
Takayanagi Kazuo	Tsujimoto Takuji	Yasuda Haruo
Takeda Hidenori	Tsunemi Hiroshi	Yokosawa Masayoshi
Takeda Yoichi	Tsuneta Saku	Yokoyama Jun-ichi
Takenouchi Tadao	Tsuru Takeshi	Yokoyama Koichi
Takeuti Mine	Tsutsumi Takahiro	Yoneyama Tadaoki
Tamenaga Tatsuo	Uchida Juichi	Yoshida Atsumasa
Tamura Motohide	Uchida Yutaka	Yoshida Haruo
Tamura Shin'ichi	Ueno Munetaka	Yoshida Junzo
Tanabe Hiroyoshi	Ueno Sueo	Yoshida Michitoshi
Tanabe Kenji	Uesugi Akira	Yoshida Shigeomi
Tanabe Toshihiko	Ukita Nobuharu	Yoshii Yuzuru
Tanaka Masuo	Umemura Masayuki	Yoshikawa Makoto
Tanaka Riichiro	Unno Wasaburo	Yoshimura Hirokazu
Tanaka Wataru	Utsumi Kazuhiko	Yoshimura Motohiko
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Tanaka Yasuo	Wakamatsu Ken-ichi	Yoshizawa Masanori
Tanaka Yutaka D	Wako Kojiro	Yuasa Manabu
Taniguchi Yoshiaki	Washimi Haruichi	Yumi Shigeru
Tanikawa Kiyotaka	Watanabe Jun-ichi	
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Cho Se Hyung	Kim Chulhee	Lee See-woo
Choe Seung Urn	Kim Chun Hwey	Lee Woo-baik
Choi Kyu-Hong	Kim Ho Il	Lee Yong-Sam
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Chun Mun-suk	Kim Kwang-tae	Minh Young Chol
Chung Hyun Soo	Kim Tu Hwan	Minn Young Key
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Song Doo Jong  
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Alksnis Andrejs  
Balklavs A E

Daube-Kurzemiece I A  
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Bartasiute Stanislava  
Bartkevicius Antanas  
Bogdanovicus Pavelas  
Cernis Kazimieras

Kupliauskiene Alicija  
Rudzikas Zenonas B  
Sperauskas Julius  
Straizys V

Sudzius Jokubas  
Tautvaisiene Grazina  
Zdanavicius Kazimieras

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Arellano Ferro Armando  
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Bisiacchi Gianfranco  
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Costero Rafael  
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Dultzin-Hacyan D  
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Eenens Philippe  
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Perez-Peraza Jorge A  
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 Stevens Gerard A  
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 Swanenburg B N  
 Takens Roelf Jan  
 Tauber Jan  
 The Pik-Sin  
 Tinbergen Jaap  
 Tjin-a-Djie Herman R E  
 Vaghi Sergio  
 Valentijn Edwin A  
 van Albada tjeerd S  
 van Beek Frank  
 van Bueren Hendrik G  
 van de Hulst H C  
 van de Stadt Herman  
 van den Heuvel Edward P J  
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 van der Hucht Karel A  
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## MEMBERSHIP

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 van der Werf Paul P  
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 van Genderen Arnoud M

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 Carter Brian  
 Cottrell Peter Ledsam

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 Kjeldseth-Moe Olav  
 Leer Egil  
 Lilje Per Vidar Barth

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 Ryabov Yu A  
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 Gaylard Michael John  
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 Hellaby Charles William  
 Hers Jan  
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 Hutcheon Richard J  
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 Lloyd Evans Thomas Harry  
 Martinez Peter  
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 Colomer Francisco  
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 de Vicente Pablo  
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 Garcia-Pelayo Jose  
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 Johansson Lars Erik B  
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Johansson Svereric  
 Kiselman Dan  
 Kollberg Erik L  
 Kristenson Henrik  
 Kristiansson Krister  
 Lagerkvist Claes-Ingvar  
 Lagerqvist Albin  
 Larsson Stefan  
 Larsson-Leander Gunnar  
 Lauberts Andris  
 Laurent Bertel E  
 Lehnert B P  
 Lindblad Bertil A  
 Lindblad Per Olof  
 Linde Peter  
 Lindgren Lennart  
 Liseau Rene  
 Loden Kerstin R  
 Loden Lars Olof  
 Lundqvist Peter  
 Lundstedt Henrik  
 Lundstrom Ingemar  
 Magnusson Per  
 Mellema Garrelt  
 Nilson Peter  
 Nordh Lennart H  
 Nyman Lars-Aake  
 Oehman Yngve  
 Oja Tarmo  
 Olberg Michael  
 Olofsson Goeran S  
 Olofsson Hans  
 Olofsson Kjell

Piskunov Nikolai E  
 Plez Bertrand  
 Poutanen Juri  
 Raadu Michael A  
 Reiz Anders  
 Rickman Hans  
 Roennaeng Bernt O  
 Roslund Curt  
 Rosquist Kjell  
 Rydbeck Gustaf H B  
 Rydbeck Olof E H  
 Sandqvist Aage  
 Scharmer Goeran Bjarne  
 Sinnerstad Ulf E  
 Soderhjelm Staffan  
 Stenholm Bjoern  
 Stenholm Lars  
 Sundelius Bjoern  
 Sundman Anita  
 Svensson Roland  
 Swensson John W  
 Thomasson Magnus  
 van Groningen Ernst  
 Wahlgren Glenn Michael  
 Wallenquist Aake A E  
 Wallinder Frederick  
 Westerlund Bengt E  
 Wiedling Tor  
 Wiklind Tommy  
 Winnberg Anders  
 Wramdemark Stig S

### Switzerland

Babel Jacques  
 Bartholdi Paul  
 Becker Wilhelm  
 Benz Arnold O

Berthet Stephane  
 Beutler Gerhard  
 Binggeli Bruno  
 Blecha Andre Boris G

Bochsler Peter  
 Bouvier Pierre  
 Burki Gilbert  
 Buser Roland

Cameron Luzius Martin  
 Chmielewski Yves  
 Courvoisier Thierry J-L  
 Cramer Noel  
 Debrunner Hermann  
 Dressler Kurt  
 Dubath Pierre  
 Duerst Johannes  
 Fenkart Rolf P  
 Froehlich Claus  
 Gautschi Alfred  
 Geiss Johannes  
 Gerhard Ortwin  
 Golay Marcel  
 Goy Gerald  
 Grenon Michel  
 Guedel Manuel  
 Hauck Bernard  
 Labhardt Lukas  
 Maeder Andre

Maetzler Christian  
 Magun Andreas  
 Martinet Louis  
 Mayor Michel  
 Megevand Denis  
 Mermilliod Jean-Claude  
 Meynet Georges  
 Muerset Urs  
 Nicolet Bernard  
 North Pierre  
 Nussbaumer Harry  
 Paltani Stephane  
 Pfenniger Daniel  
 Povel Hanspeter  
 Queloz Didier  
 Rufener Fredy G  
 Schaller Gerard  
 Schanda Erwin  
 Schild Hansruedi  
 Schildknecht Thomas

Schmutz Werner  
 Schuler Walter  
 Solanki Sami K  
 Spaenhauer Andreas Martin  
 Steinlin Uli  
 Stenflo Jan O  
 Straumann Norbert  
 Tammann Gustav Andreas  
 Thielemann Friedrich-Karl  
 Trefzger Charles F  
 Udry Stephane  
 Vogel Manfred  
 von Steiger Rudolf  
 Walder Rolf  
 Waldmeier Max  
 Walter Roland  
 Wild Paul  
 Zelenka Antoine

### Tajikistan

Babadzhanov Pulat B  
 Bibarsov Ravil-sh  
 Ibadinov Khursandkul

Ibadov Subhon  
 Kiselev Nikolai N  
 Minikulov Nasridin K

Sahibov Firuz H

### Turkey

Akan Mustafa Can  
 Akcayli Melek M A  
 Akyol Mustafa Unal  
 Alpar Ali  
 Aslan Zeki  
 Atac Tamer  
 Avcioglu Kamuran  
 Aydin Cemal  
 Balli Edibe  
 Bolcal Cetin  
 Bozkurt Sukru  
 Demircan Osman  
 Denizman Levent  
 Derman I Ethem  
 Dizer Muammer  
 Dogan Nadir  
 Engin Semanur  
 Enginol Turan B

Ercan E Nihal  
 Ertan A Yener  
 Eskioglu A Nihat  
 Evren Serdar  
 Ezer-Eryurt Dilhan  
 Goelbasi Orhan  
 Gokdogan Nuzhet  
 Gudur N  
 Gulmen Omur  
 Gulsecen Hulusi  
 Hazer S  
 Hotinli Metin  
 Ibanoglu Cafir  
 Kandemir Guelcin  
 Karaali Salih  
 Keskin Varol  
 Kiral Adnan  
 Kirbiyik Halil

Kiziloglu Nilguen  
 Kiziloglu Uemit  
 Kocer Durcun  
 Marsoglu A  
 Mentese Huseyin  
 Oekten Adnan  
 Oezel Mehmet Emin  
 Oezkan Mustafa Tuerker  
 Ozguc Atila  
 Pekuenlue E Rennan  
 Saygac A Talat  
 Sezer Cengiz  
 Tektunali H Gokmen  
 Tufekcioglu Zeki  
 Tunca Zeynel  
 Yilmaz Fatma  
 Yilmaz Nihal

### UK

Aarseth Sverre J  
 Adam Madge G

Adams David J  
 Adamson Andrew

Ade Peter A R  
 Aitken David K

- Albinson James  
 Alexander Paul  
 Allan Peter M  
 Allen Anthony John  
 Anderson Bryan  
 Andrews David A  
 Andrews Peter J  
 Ardavan Houshang  
 Argue A Noel  
 Argyle Robert William  
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 Axon David  
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 Barocas Vinicio  
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 Birkinshaw Mark  
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 Blackman Clinton Paul  
 Blackwell Donald E  
 Bode Michael F  
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 Bondi Hermann  
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 Boyd Robert L F  
 Boyle Stephen  
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 Brandenburg Axel  
 Branduardi-Raymont G  
 Branson Nicholas J B A  
 Bridgeland Michael  
 Bromage Gordon E  
 Brookes Clive J  
 Brown John C  
 Brown Paul James Frank  
 Browne Ian W A  
 Browning Philippa  
 Bruck Hermann A  
 Bruck Mary T  
 Bryce Myfanwy  
 Bunclark Peter Stephen  
 Burgess Alan  
 Burgess David D  
 Burton William M  
 Butchins Sydney Adair  
 Butler C John  
 Byrne Patrick B  
 Cameron Andrew Collier  
 Campbell James W  
 Cargill Peter J  
 Carr Bernard John  
 Carson T R  
 Carswell Robert F  
 Catchpole Robin M  
 Chan Siu Kuen Josphine  
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 Clarke David  
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 Clegg Robin E S  
 Clube S V M  
 Coe Malcolm  
 Cohen Raymond J  
 Coles Peter  
 Conway Robin G  
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 Cooke B A  
 Cooke John Alan  
 Couper Heather Miss  
 Crawford Ian Andrew  
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 Crowther Paul  
 Cruise Adrian Michael  
 Culhane Leonard  
 Czerny Michal  
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 Davies Paul Charles W  
 Davies Rodney D  
 Davies Roger L  
 Davis Jonathan Ivor  
 Davis Richard J  
 de Groot Mart  
 Dennison P A  
 Dewhurst David W  
 Dhillon Vikram Singh  
 Dickens Robert J  
 Diego Francisco  
 Disney Michael J  
 Diver Declan Andrew  
 Donnison John Richard  
 Dormand John Richard  
 Dougherty Sean  
 Downes Ann Juliet B  
 Doyle John Gerard  
 Drew Janet  
 Duffett-Smith Peter James  
 Duffton Philip L  
 Dunlop James  
 Dunlop Storm  
 Dworetzky Michael M  
 Dyson John E  
 Eccles Michael J  
 Edge Alastair  
 Edmunds Michael Geoffrey  
 Edwin Patricia  
 Edwin Roger P  
 Efstathiou George  
 Eggleton Peter P  
 Elliott Kenneth H  
 Ellis Richard S  
 Elsmore Bruce  
 Elson Rebecca Anne Wood  
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 Evangelidis E  
 Evans Aneurin  
 Evans Dafydd Wyn  
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 Evans Wyn  
 Fabian Andrew C  
 Falle Samuel A  
 Fawell Derek R  
 Fiedler Russell  
 Field David  
 Fielder Gilbert  
 Fitzsimmons Alan  
 Flower David R  
 Fludra Andrzej  
 Fong Richard  
 Forbes Duncan Alan  
 Fox W E  
 Frenk Carlos S  
 Furniss Ian  
 Gadsden Michael  
 Galsgaard Klaus  
 Garrington Simon  
 Garton W R S  
 Geake John E  
 Gent Hubert  
 Gietzen Joseph W  
 Gilmore Gerard Francis  
 Glencross William M  
 Godwin Jon Gunnar

- Goldsworthy Frederick A  
 Gondhalekar Prabhakar  
 Gough Douglas O  
 Grainger John F  
 Grant Ian P  
 Gray Norman  
 Green David  
 Green Robin M  
 Green Simon F  
 Griffin Ian Paul  
 Griffin Matthew J  
 Griffin Rita E M  
 Griffin Roger F  
 Griffiths William K  
 Guest John E  
 Gull Stephen F  
 Guthrie Bruce N G  
 Hadley Brian W  
 Hall Andrew Norman  
 Hanbury Brown Robert  
 Haniff Christopher  
 Harper David  
 Harris Stella  
 Harrison Richard A  
 Hassall Barbara J M  
 Haswell Carole A  
 Hawarden Timothy G  
 Hawking Stephen W  
 Hawkins Michael R S  
 Hayward John  
 Hazard Cyril  
 Heavens Alan  
 Heddle Douglas W O  
 Heggie Douglas C  
 Hellier Coel  
 Hermans Dirk  
 Hewett Paul  
 Hewish Antony  
 Hey James Stanley  
 Hide Raymond  
 Hilditch Ronald W  
 Hill Philip W  
 Hills Richard E  
 Hoare Melvin  
 Hohenkerk Catherine  
 Holloway Nigel J  
 Hood Alan  
 Hood Alan  
 Horne Keith  
 Hoskin Michael A  
 Hough James  
 Hough James  
 Howarth Ian Donald  
 Hoyle Fred  
 Hughes David W  
 Hughes Shaun  
 Humphries Colin M  
 Hunt G E  
 Hysom Edmund J  
 Inglis Michael  
 Ireland Jack  
 Ireland John G  
 Irwin Michael John  
 Isaak George R  
 Jackson John Charles  
 Jackson Neal  
 James John F  
 James Richard A  
 Jameson Richard F  
 Jardine Moira Mary  
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 Jenkins Charles R  
 Jennings R E  
 Jennison Roger C  
 Johnstone Roderick  
 Jones Barrie W  
 Jones Derek H P  
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 Joseph Robert D  
 Jupp Alan H  
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 Kanbur Shashi  
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 Knapen Johan Hendrik  
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 Laing Robert  
 Lancaster Brown Peter  
 Lang James  
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 Lawrence Andrew  
 Leahy J Patrick  
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 Liddle Andrew  
 Little Leslie T  
 Liu Xiaowei  
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 Longbottom Aaron  
 Lovell Sir Bernard  
 Lucey John  
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 Lynden-Bell Donald  
 Lyne Andrew G  
 MacCallum Malcolm A H  
 MacDonald Geoffrey H  
 MacGillivray Harvey T  
 MacKay Craig D  
 MacKinnon Alexander L  
 Maddison Ronald Ch  
 Maddox Stephen  
 Major John  
 Mallia Edward A  
 Marek John  
 Marsh Julian C D  
 Marsh Thomas  
 Martin Anthony R  
 Martin Derek H  
 Martin William L  
 Masheder Michael  
 Mason Helen E  
 Mason John William  
 Mason Keith Owen  
 Matheson David Nicholas  
 McDonnell J A M  
 McHardy Ian Michael  
 McMahan Richard  
 McMullan Dennis  
 McNally Derek  
 McWhirter R W Peter  
 Meaburn John  
 Meadows A Jack  
 Meikle William P S  
 Meiksin Avery Abraham  
 Message Philip J  
 Mestel Leon  
 Miles Howard G  
 Millar Thomas J  
 Miller John C  
 Mills Allan A  
 Mitton Jacqueline  
 Mitton Simon  
 Moffatt Henry Keith  
 Monteiro Tania S  
 Moore Daniel R  
 Moore Patrick  
 Morgan Brian Lealan  
 Morgan David H  
 Morison Ian  
 Morris Michael C  
 Morrison Leslie V  
 Moss Christopher  
 Moss David L  
 Murdin Paul G  
 Murray C Andrew

- Murray Carl D  
 Murray John B  
 Muxlow Thomas  
 Nair Sunita  
 Nakariakov Valery  
 Nandy Kashinath  
 Napier William M  
 Nelson Alistair H  
 Neukirch Thomas  
 New Roger  
 Newton Gavin  
 Nicolson Iain  
 O'Brien Paul Thomas  
 O'Brien Tim  
 Onuora Lesley Irene  
 Osborne John L  
 Osborne Julian P  
 Padman Rachael  
 Page Clive G  
 Pagel Bernard E J  
 Palmer Philip  
 Papaloizou John C B  
 Parker Edward A  
 Parker Neil  
 Parker Quentin  
 Parkinson John H  
 Paxton Harold J B R  
 Peach Gillian  
 Peach John V  
 Peacock John Andrew  
 Pearce Gillian  
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 Penny Alan John  
 Penston Margaret  
 Perry Judith J  
 Petford A David  
 Pettini Max  
 Phillips John Peter  
 Phillips Kenneth J H  
 Pike Christopher David  
 Pilkington John D H  
 Pillinger Colin  
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 Pollacco Don  
 Ponman Trevor  
 Ponsonby John E B  
 Pooley Guy  
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 Priest Eric R  
 Pringle James E  
 Prinja Raman  
 Pye John P  
 Quenby John J  
 Raine Derek J  
 Rapley Christopher G  
 Rawlings Jonathan  
 Rawlings Steven  
 Reay Newrick K  
 Rees Martin J  
 Regoes Enikoe  
 Reig Pablo  
 Richardson Kevin J  
 Richardson Lorna Logan  
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 Rijnbeek Richard  
 Riley Julia M  
 Ring James  
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 Robertson Norna  
 Robinson Andrew  
 Robinson William J  
 Roche Patrick F  
 Ronan Colin A  
 Rowan-Robinson Michael  
 Rowson Barrie  
 Roxburgh Ian W  
 Roy Archie E  
 Ruffert Maximilian  
 Sanford Peter William  
 Saunders Richard D E  
 Scarrott Stanley M  
 Scheuer Peter A G  
 Schwartz Steven Jay  
 Scott Paul F  
 Seaton Michael J  
 Seymour P A H  
 Shakeshaft John R  
 Shallis Michael J  
 Shanks Thomas  
 Sharples Ray  
 Shone David  
 Sim Mary E  
 Simmons John Francis I  
 Simnett George M  
 Simons Stuart  
 Sinclair Andrew T  
 Sisson George M  
 Skillen Ian  
 Skilling John  
 Skinner Gerald  
 Sleath John  
 Smalley Barry  
 Smith Francis Graham  
 Smith Geoffrey  
 Smith Humphry M  
 Smith Keith Colin  
 Smith Linda J  
 Smith Robert Connon  
 Smith Rodney M  
 Smyth Michael J  
 Somerville William B  
 Sorensen Soren-Aksel  
 Speer R J  
 Spencer Ralph E  
 Stannard David  
 Steele Colin D C  
 Stephenson F Richard  
 Stevens Ian  
 Steves Bonita Alice  
 Stewart John Malcolm  
 Stewart Paul  
 Stickland David J  
 Summers Hugh P  
 Sutherland William  
 Sweet Peter A  
 Sykes-Hart Avril B  
 Sylvester Roger  
 Tavakol Reza  
 Taylor Donald Boggia  
 Ter Haar Dirk  
 Terlevich Elena  
 Terlevich Roberto Juan  
 Thoburn Christine  
 Thomas David V  
 Thomas Peter A  
 Thomasson Peter  
 Thomson Robert  
 Tout Christopher  
 Tozer David C  
 Tritton Keith P  
 Tritton Susan Barbara  
 Turner Martin J I  
 Twiss R Q  
 Tworowski Andrzej S  
 Unger Stephen  
 van der Raay Herman B  
 van Leeuwen Floor  
 Veck Nicholas  
 Vekstein Gregory  
 Walker David Douglas  
 Walker Edward N  
 Walker Helen J  
 Walker Ian Walter  
 Wall J W  
 Wall Jasper V  
 Wallace Patrick T  
 Wallis Max K  
 Walsh Dennis  
 Walsh Robert  
 Ward Henry  
 Ward Martin John  
 Warner Peter J  
 Warwick Robert S  
 Watson Micheal G  
 Weiss Nigel O

Wellgate G Bernard  
 White Glenn J  
 White Simon David Manion  
 Whitrow Gerald James  
 Whitworth Anthony Peter  
 Wickramasinghe N C  
 Wilkins George A  
 Wilkinson Althea  
 Wilkinson Peter N  
 Williams David A  
 Williams Iwan P  
 Williams Peredur M

Williams Robin  
 Willis Allan J  
 Willmore A Peter  
 Willstrop Roderick V  
 Wilson Lionel  
 Wilson Michael John  
 Wilson Robert  
 Woan Graham  
 Wolfendale Arnold W  
 Wolstencroft Ramon D  
 Wood Janet H  
 Wood Roger

Woolfson Michael M  
 Worrall Diana Mary  
 Worrall Gordon  
 Worswick Susan  
 Wright Andrew  
 Yallop Bernard D  
 Zarnecki Jan Charles  
 Zharkova Valentina  
 Zijlstra Albert  
 Zuiderwijk Edwardus J

### Ukraine

Abramenko Valentina  
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 Alexandrov Yuri V  
 Andrienko Dmitry A  
 Andrievsky Sergei  
 Andronov Ivan  
 Babin Arthur  
 Baranovsky Edward A  
 Berczik Peter  
 Bratijchuk Matrona V  
 Braude Semion Ya Ag  
 Bruns Andrey V  
 Cherednichenko V I  
 Chernykh N S  
 Denishchik Yurii  
 Didkovsky Leonid  
 Dobronravin Peter  
 Duma Dmitrij P  
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 Efimov Yuri  
 Epishev Vitali P  
 Fedorov Petro  
 Fomin Piotr Ivanovich  
 Fomin Valery  
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 Golovatyj Volodymyr  
 Gopasyuk S I  
 Gor'kavyi Nikolai  
 Gordon Isaac M  
 Gozhy Adam  
 Grinin Vladimir P  
 Hnatyk Bohdan  
 Ivanchuk Victor I  
 Ivchenko Vasily  
 Izotov Yuri  
 Kalenichenko Valentin  
 Karachentseva Valentina  
 Karetnikov Valentin G R  
 Kasheschev B L

Kharchenko Nina  
 Kharin Arkadiy S  
 Kislyuk Vitalij S  
 Klymyshyn I A  
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 Kolesnik Igor G  
 Kolesnik L N  
 Komarov N S  
 Konopleva Varvara P  
 Konovalenko Olexandr  
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 Kostik Roman I  
 Kotov Valery  
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 Kruchinenko Vitaliy G  
 Kryvodubskij Valery  
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 Litvinenko Leonid N  
 Lozitskij Vsevolod  
 Lupishko Dmitrij F  
 Lyubimkov Leonid S  
 Lyuty Victor M  
 Makarenko Ekaterina N  
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 Mironov Nikolay T  
 Mishenina Tamara  
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 Molotaj Olexandr  
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 Musatenko Sergij  
 Nesterov Nikolai S  
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 Onegina A B  
 Orlov Mikhail  
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Pavlenko Elena  
 Pavlenko Yakov V  
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 Pilyugin Leonid  
 Pinigin Gennadij I  
 Polosukhina-Chuvaeva Nina  
 Prokofeva Valentina V  
 Pronik I I  
 Pronik V I  
 Pugach Alexander F  
 Rachkovsky D N  
 Romanchuk Pavel R  
 Romanov Yuri S  
 Savanov Igor S  
 Shakhovskaya Nadejda I  
 Shakhovskoj Nikolay M  
 Shcherbakov Alexander  
 Shchukina Nataliya  
 Shkuratov Yurii  
 Shul-man L M  
 Shulga Valery  
 Silich Sergey  
 Skulskij Mychajlo Y  
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 Sokolov Konstantin  
 Stepanian A A  
 Stepanian N N  
 Steshenko N V  
 Tarady Vladimir K  
 Telnyuk-Adamchuk V  
 Terebizh Valery Yu  
 Tsap T T  
 Volyanskaya Margarita Yu  
 Voroshilov V I  
 Yanovitskij Edgard G  
 Yatskiv Ya S  
 Zakhzhaj Volodimir  
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## MEMBERSHIP

Zhilyaev Boris  
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 Romero Perez M Pilar  
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 Rossello Gaspar  
 Rozas Maite  
 Rutten Renee G M  
 Sabau-Graziati Lola  
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 Salazar Antonio  
 Salvador-Sole Eduardo  
 Sanahuja Blas  
 Sanchez Almeida Jorge  
 Sanchez Filomeno  
 Sanchez Francisco  
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Sanchez-Lavega Agustin  
 Sanchez-Saavedra M Luisa  
 Sanroma Manuel  
 Sansaturio Maria E  
 Sanz I Subirana Jaume  
 Sanz Jose L  
 Schwarz Hugo E  
 Sein-Echaluze M Luisa  
 Sequeiros Juan  
 Sevilla Miguel J  
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 Steppe Hans  
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 Tenorio-Tagle Guillermo  
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 Trullols I Farreny Enric  
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 Verdes-Montenegro Lourdes  
 Vila Samuel C  
 Vilchez Medina Jose M  
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 Walton Nicholas A  
 Wamsteker Willem  
 Watson Robert  
 Zambrano Alejandro  
 Zamorano Jaime

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 Fernandez Julio A

Gallardo Castro Carlos Tabare  
 Magris C Gladis

Tancredi Gonzalo

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A'Hearn Michael F  
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 Abbott David C  
 Ables Harold D  
 Abt Helmut A  
 Acton Loren W  
 Adams Fred  
 Adams Mark T  
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 Aizenman Morris L  
 Ake Thomas Bellis  
 Albers Henry  
 Alexander David R  
 Alexander Joseph K  
 Allan David W  
 Allen Ronald J  
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 Aller Lawrence Hugh  
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 Alpher Ralph Asher  
 Altrock Richard C  
 Altschuler Daniel R  
 Altschuler Martin D

Alvarez Manuel  
 Ambruster Carol  
 Anand S P S  
 Anderson Christopher M  
 Anderson Kinsey A  
 Anderson Kurt S  
 Andersson Bengt Goeran  
 Angel J Roger P  
 Angione Ronald J  
 Anosova Joanna  
 Anthony-Twarog Barbara J  
 Antiochos Spiro Kosta  
 Aparicio Antonio  
 Appleby John F  
 Appleton Philip Noel  
 Armandroff Taft E  
 Armstrong John Thomas  
 Arnett W David  
 Arnold James R  
 Amy Thomas T  
 Arons Jonathan  
 Arthur David W G  
 Aschwanden Markus  
 Aspin Colin  
 Assousa George Elias  
 Athay R Grant  
 Atreya Sushil K  
 Auer Lawrence H  
 Augason Gordon C

Avery Lorne W  
 Avrett Eugene H  
 Ayres Thomas R  
 Baan Willem A  
 Baars Jacob W M  
 Babcock Horace W  
 Backer Donald Ch  
 Bagnuolo William G  
 Bagri Durgadas S  
 Bahcall John N  
 Bahcall Neta A  
 Baird Scott R  
 Baker James Gilbert  
 Baker Norman H  
 Balachandran Suchitra C  
 Balbus Steven A  
 Baldwin Ralph B  
 Balick Bruce  
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 Ball John A  
 Bally John  
 Balonek Thomas J  
 Bandermann L W  
 Bania Thomas Michael  
 Bardeen James M  
 Barden Samuel Charles  
 Barker Edwin S  
 Barker Timothy  
 Barnbaum Cecilia



Barnes Aaron  
 Barnes III Thomas G  
 Barnothy Jenö  
 Barrett Paul Everett  
 Barsony Mary  
 Barth Charles A  
 Barvainis Richard  
 Basart John P  
 Bash Frank N  
 Basri Gibor B  
 Bastian Timothy Stephen  
 Batchelor David Allen  
 Batson Raymond Milner  
 Bauer Carl A  
 Bauer Wendy Hagen  
 Baum Stef Alison  
 Baum William A  
 Baustian W W  
 Bautz Laura P  
 Baym Gordon Alan  
 Beard David B  
 Beavers Willet I  
 Bechtold Jill  
 Becker Peter Adam  
 Becker Robert A  
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 Beckers Jacques M  
 Becklin Eric E  
 Beebe Herbert A  
 Beebe Reta Faye  
 Beer Reinhard  
 Beers Timothy C  
 Begelman Mitchell Craig  
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 Bell Jeffrey F  
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 Belton Michael J S  
 Bender Peter L  
 Benedict George F  
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 Bennett Charles L  
 Benson Priscilla J  
 Benz Willy  
 Berendzen Richard  
 Berg Richard A  
 Berge Glenn L  
 Bergstrahl Jay T  
 Berman Robert Hiram  
 Berman Vladimir  
 Bernat Andrew Plous  
 Bertschinger Edmund  
 Bettis Dale G  
 Bhavsar Suketu P  
 Bianchi Luciana  
 Bidelman William P  
 Bieging John Harold  
 Bignell R Carl  
 Billingham John  
 Billings Donald E  
 Binzel Richard P  
 Biretta John Anthony  
 Blades John Chris  
 Blaha Milan  
 Blair Guy Norman  
 Blair William P  
 Blanco Victor M  
 Blandford Roger David  
 Blasius Karl Richard  
 Bless Robert C  
 Blitz Leo  
 Blitzstein William  
 Bloemhof Eric E  
 Blondin John M  
 Bludman Sidney A  
 Blumenthal George R  
 Bobrowsky Matthew  
 Bodenheimer Peter  
 Boehm Karl-Heinz  
 Boehm-Vitense Erika  
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 Boeshaar Gregory Orth  
 Boggess Albert  
 Boggess Nancy W  
 Bohannan Bruce Edward  
 Bohlin J David  
 Bohlin Ralph C  
 Boice Daniel Craig  
 Boldt Elihu  
 Boley Forrest I  
 Bond Howard E  
 Bonsack Walter K  
 Book David L  
 Bookbinder Jay A  
 Bookmyer Beverly B  
 Booth Andrew J  
 Bopp Bernard W  
 Bord Donald John  
 Borderies Nicole  
 Boriakoff Valentin  
 Borrmann Patricia L  
 Boss Alan P  
 Bowell Edward L G  
 Bowen George H  
 Bower Gary Allen  
 Bowers Phillip F  
 Bowyer C Stuart  
 Boyce Peter B  
 Boynton Paul Edward  
 Bracewell Ronald N  
 Bradley Arthur J  
 Bradstreet David H  
 Branch David R  
 Brandt John C  
 Branscomb L M  
 Brault James W  
 Braun Douglas Clifford  
 Breakiron Lee Allen  
 Brecher Aviva  
 Brecher Kenneth  
 Breckinridge James B  
 Bregman Joel N  
 Bridle Alan H  
 Broadfoot A Lyle  
 Broderick John  
 Brodie Jean P  
 Brosius Jeffrey William  
 Broucke Roger  
 Brown Alexander  
 Brown Douglas Nason  
 Brown Robert Hamilton  
 Brown Robert L  
 Brownlee Donald E  
 Brownlee Robert R  
 Brucato Robert J  
 Brueckner Guenter E  
 Bruenn Stephen W  
 Brugel Edward W  
 Bruhweiler Fred C  
 Bruner Marilyn E  
 Bruning David H  
 Brunk William E  
 Buchler J Robert  
 Buff James S  
 Buhl David  
 Buie Marc W  
 Bunner Alan N  
 Buratti Bonnie J  
 Burbidge Eleanor Margaret  
 Burbidge Geoffrey R  
 Burke Bernard F  
 Burkhead Martin S  
 Burlaga Leonard F  
 Burns Joseph A  
 Burns Jack O'Neal  
 Burrows Adam Seth  
 Burrows David Nelson  
 Burstein David  
 Buscombe William  
 Busko Ivo C  
 Buta Ronald J  
 Buti Bimla  
 Butler Dennis

- Butterworth Paul  
 Byard Paul L  
 Byrd Gene G  
 Cacciari Carla  
 Cahn Julius H  
 Caillault Jean Pierre  
 Calvin William H  
 Calzetti Daniela  
 Cameron Alastair G W  
 Cameron Winifred S  
 Campbell Alison  
 Campbell Belva G S  
 Campbell Donald B  
 Campbell Murray F  
 Campins Humberto  
 Canfield Richard C  
 Canizares Claude R  
 Capen Charles F  
 Capriotti Eugene R  
 Carbon Duane F  
 Carilli Christopher L  
 Carleton Nathaniel P  
 Carlson John B  
 Carney Bruce William  
 Caroff Lawrence J  
 Carpenter Kenneth G  
 Carpenter Lloyd  
 Carr John Sherman  
 Carr Thomas D  
 Carruthers George R  
 Carter William Eugene  
 Casertano Stefano  
 Cash Webster C  
 Cassinelli Joseph P  
 Castelaz Micheal W  
 Castelli John P  
 Castor John I  
 Caton Daniel B  
 Catura Richard C  
 Caughlan Georgeanne R  
 Cefola Paul J  
 Centrella Joan M  
 Cersosimo Juan Carlos  
 Chaffee Frederic H  
 Chaisson Eric J  
 Chamberlain Joseph M  
 Chamberlain Joseph W  
 Chambliss Carlson R  
 Chan Kwing Lam  
 Chance Kelly V  
 Chandra Subhash  
 Chapman Clark R  
 Chapman Gary A  
 Chapman Robert D  
 Charbonneau Paul  
 Chen Kwan-yu  
 Cheng Chung-chieh  
 Cheng Kwang Ping  
 Chevalier Roger A  
 Chitre Dattakumar M  
 Chiu Hong Yee  
 Chiu Liang-Tai George  
 Chodas Paul Winchester  
 Christian Carol Ann  
 Christiansen Wayne A  
 Christodoulou Dmitris  
 Christy James Walter  
 Christy Robert F  
 Chu You-Hua  
 Chubb Talbot A  
 Chupp Edward L  
 Churchwell Edward B  
 Ciardullo Robin  
 Clark Barry G  
 Clark Frank Oliver  
 Clark George W  
 Clark Thomas A  
 Clark Alfred  
 Clarke John T  
 Claussen Mark J  
 Clayton Donald D  
 Clayton Geoffrey C  
 Clayton Robert N  
 Clemens Dan P  
 Clifton Kenneth St  
 Cline Thomas L  
 Cliver Edward W  
 Cochran Anita L  
 Cochran William David  
 Cocke William John  
 Code Arthur D  
 Coffeen David L  
 Coffey Helen E  
 Cohen Jeffrey M  
 Cohen Judith  
 Cohen Leon  
 Cohen Marshall H  
 Cohen Martin  
 Cohen Richard S  
 Cohen Ross D  
 Cohn Haldan N  
 Colburn David S  
 Coleman Paul Henry  
 Colgate Stirling A  
 Collins George W ii  
 Combi Michael R  
 Comins Neil Francis  
 Condon James J  
 Conklin Edward K  
 Connolly Leo Paul  
 Consolmagno Guy Joseph  
 Conti Peter S  
 Cook John W  
 Cook Kern Holland  
 Corbally Christopher  
 Corbet Robin Henry D  
 Corbin Thomas Elbert  
 Corcoran Michael Francis  
 Cordes James M  
 Cordova France A D  
 Corliss C H  
 Corwin Harold G  
 Cotton William D  
 Coulson Iain M  
 Counselman Charles C  
 Cowan John J  
 Cowie Lennox Lauchlan  
 Cowley Anne P  
 Cowley Charles R  
 Cox Arthur N  
 Cox Donald P  
 Craine Eric Richard  
 Crane Patrick C  
 Crannell Carol Jo  
 Crawford David L  
 Crenshaw Daniel Michael  
 Crocker Deborah Ann  
 Crofts Arlin Pink  
 Cruikshank Dale P  
 Crutcher Richard M  
 Cudaback David D  
 Cudworth Kyle Mccabe  
 Cuffey J  
 Culver Roger Bruce  
 Cuntz Manfred  
 Currie Douglas G  
 Czyzak Stanley J  
 Dahn Conard Curtis  
 Dalgarno Alexander  
 Daly Ruth Agnes  
 Danby J M Anthony  
 Danford Stephen C  
 Danks Anthony C  
 Danly Laura  
 Dappen Werner  
 Datlowe Dayton  
 David Laurence P  
 Davidsen Arthur Falnes  
 Davidson Kris  
 Davies Merton E  
 Davila Joseph  
 Davis Marc  
 Davis Michael M  
 Davis Morris S  
 Davis Robert J

- Davis Sumner P  
 Davis Cecil G  
 Davis Leverett  
 de Frees Douglas J  
 de Jonge J K  
 de Pater Imke  
 de Vincenzi Donald  
 de Young David S  
 Dearborn David Paul K  
 Deeming Terence J  
 DeGioia-Eastwood Kathleen  
 Deliyannis Constantine P  
 Delsemme Armand H  
 Demarque Pierre  
 Deming Leo Drake  
 Dempsey Robert C  
 Dennis Brian Roy  
 Dennison Edwin W  
 Dent William A  
 Deprit Andre  
 Dere Kenneth Paul  
 Dermer Charles Dennison  
 Dermott Stanley F  
 Despain Keith Howard  
 Deupree Robert G  
 Deutschman William A  
 Devinney Edward J  
 Devorkin David H  
 Dewey Rachel J  
 Dewitt Bryce S  
 Dewitt-John H  
 Dewitt-Morette Cecile Pr  
 Dhawan Vivek  
 Diamond Philip John  
 Dick Steven J  
 Dickel Helene R  
 Dickel John R  
 Dickey Jean O'Brien  
 Dickey John M  
 Dickinson Dale F  
 Dickman Robert L  
 Dickman Steven R  
 Dieter Conklin Nannielou H  
 Digel Seth William  
 Dinerstein Harriet L  
 Dixon Robert S  
 Djorgovski Stanislav  
 Doherty Lowell R  
 Dolan Joseph F  
 Domingo Vicente  
 Donahue Robert Andrew  
 Donn Bertram D  
 Doschek George A  
 Douglas James N  
 Douglass Geoffrey G  
 Downes Ronald A  
 Downs George S  
 Doyle Laurance R  
 Draine Bruce T  
 Drake Frank D  
 Drake Jeremy  
 Drake Stephen A  
 Dreher John W  
 Dressel Linda L  
 Dressler Alan  
 Drever Ronald W P  
 Drilling John S  
 Dryer Murray  
 Dubin Maurice  
 Dufour Reginald James  
 Duncan Douglas Kevin  
 Duncombe Raynor L  
 Dunham David W  
 Dunkelman Lawrence  
 Dunn Richard B  
 Dupree Andrea K  
 Dupuy David L  
 Durisen Richard H  
 Durney Bernard  
 Durrance Samuel T  
 Duthie Joseph G  
 Duvall Thomas L  
 Dwek Eli  
 Dyck Melvin  
 Dyer Edward R  
 Dyson Freeman J  
 Eaton Joel A  
 Eddy John A  
 Edelson Rick  
 Edmondson Frank K  
 Edwards Alan Ch  
 Edwards Terry W  
 Eichhorn Heinrich K  
 Eichler David  
 Eilek Jean  
 El Baz Farouk  
 Elias Nicholas  
 Eliitzur Moshe  
 Elliot James L  
 Elmegreen Bruce Gordon  
 Elmegreen Debra Meloy  
 Elste Gunther H  
 Elston Wolfgang E  
 Elvis Martin S  
 Emerson Darrel Trevor  
 Emslie A Gordon  
 Endal Andrew S  
 Epps Harland Warren  
 Epstein Eugene E  
 Epstein Gabriel Leo  
 Epstein Richard I  
 Eshleman Von R  
 Eskridge Paul B  
 Espey Brian Russell  
 Esposito F Paul  
 Esposito Larry W  
 Esser Ruth  
 Etzel Paul B  
 Eubanks Thomas Marshall  
 Evans Ian Nigel  
 Evans J V  
 Evans John W  
 Evans Nancy Remage  
 Evans Neal J  
 Evans W Doyle  
 Ewen Harold I  
 Ewing Martin S  
 Fabbiano Giuseppina  
 Faber Sandra M  
 Fabricant Daniel G  
 Fahey Richard P  
 Falco-Acosta Emilio E  
 Falk Sydney W  
 Fall S Michael  
 Faller James E  
 Fallon Frederick W  
 Fang Li-zhi  
 Fanselow John Lyman  
 Faulkner John  
 Fay Theodore D  
 Fazio Giovanni G  
 Federman Steven Robert  
 Feibelman Walter A  
 Feigelson Eric D  
 Fekel Francis C  
 Feldman Paul Donald  
 Feldman Uri  
 Felten James E  
 Ferland Gary Joseph  
 Fesen Robert A  
 Fey Alan Lee  
 Feynman Joan  
 Fiala Alan D  
 Fichtel Carl E  
 Fiedler Ralph L  
 Field George B  
 Fienberg Richard T  
 Filippenko Alexei V  
 Fink Uwe  
 Finn Lee Samuel  
 Firor John W  
 Fischel David  
 Fischer Jacqueline  
 Fisher George Hewitt  
 Fisher J Richard

- Fisher Philip C  
 Fisher Richard R  
 Fishman Gerald J  
 Fitch Walter S  
 Fitzpatrick Edward L  
 Fix John D  
 Flannery Brian Paul  
 Fleck Robert Charles  
 Fleischer Robert  
 Fleming Thomas Anthony  
 Fliegel Henry F  
 Florowski David R  
 Fogarty William G  
 Foltz Craig B  
 Fomalont Edward B  
 Fontenla Juan Manuel  
 Forbes J E  
 Forbes Terry G  
 Ford Holland C Res  
 Ford W Kent  
 Forman William Richard  
 Forrest William John  
 Forster James Richard  
 Fort David Norman  
 Foster Roger S  
 Foukal Peter V  
 Fox Kenneth  
 Frail Dale Andrew  
 Frank Juhan  
 Franklin Fred A  
 Franz Otto G  
 Frazier Edward N  
 Fredrick Laurence W  
 Freedman Wendy L  
 French Richard G  
 Friberg Per  
 Friedlander Michael  
 Friedman Herbert  
 Friedman Scott David  
 Friel Eileen D  
 Friend David B  
 Frisch Priscilla  
 Frogel Jay Albert  
 Frost Kenneth J  
 Fruchter Andrew S  
 Fruscione Antonella  
 Frye Glenn M  
 Ftaclas Christ  
 Fuhr Jeffrey Robert  
 Gaetz Terrance J  
 Gaisser Thomas K  
 Gallagher Jean W  
 Gallagher John S  
 Gallet Roger M  
 Gaposchkin Edward M  
 Garcia Howard A  
 Garcia Michael R  
 Garfinkel Boris  
 Garlick George F  
 Garmany Catherine D  
 Garmire Gordon P  
 Garnett Donald Roy  
 Garstang Roy H  
 Gary Dale E  
 Gary Gilmer Allen  
 Gatewood George  
 Gatley Ian  
 Gaume Ralph A  
 Gauss F Stephen  
 Gaustad John E  
 Geballe Thomas R  
 Gebbie Katharine B  
 Gehrels Neil  
 Gehrels Tom  
 Gehrz Robert Douglas  
 Geldzahler Bernard J  
 Geller Margaret Joan  
 Genet Russel M  
 Gergely Tomas Esteban  
 Gerola Humberto  
 Gezari Daniel Ysa  
 Ghigo Francis D  
 Giampapa Mark S  
 Gibson David Michael  
 Gibson James  
 Giclas Henry L  
 Gierasch Peter J  
 Gies Douglas R  
 Gigas Detlef  
 Gilliland Ronald Lynn  
 Gillingham Peter  
 Gilman Peter A  
 Gilra Daya P  
 Gingerich Owen  
 Gioia Isabella M  
 Giovane Frank  
 Giovanelli Riccardo  
 Glaser Harold  
 Glaspey John W  
 Glass Billy Price  
 Glassgold Alfred E  
 Glatzmaier Gary A  
 Goebel John H  
 Gold Thomas  
 Goldman Martin V  
 Goldreich Peter  
 Goldsmith Donald W  
 Goldsmith Paul F  
 Goldstein Richard M  
 Goldstein Samuel J  
 Goldwire Henry C  
 Golub Leon  
 Goode Philip R  
 Goodman Alyssa Ann  
 Goodrich Robert W  
 Goody R M  
 Gopalswamy N  
 Gordon Courtney P  
 Gordon Kurtiss J  
 Gordon Mark A  
 Gorenstein Marc V  
 Gorenstein Paul  
 Gosling John T  
 Goss W Miller  
 Gott J Richard  
 Gottesman Stephen T  
 Gottlieb Carl A  
 Gould Robert J  
 Graboske Harold C  
 Gradie Jonathan Carey  
 Grady Carol Anne  
 Graham Eric  
 Graham John A  
 Grandi Steven Aldridge  
 Grasdalen Gary L  
 Grauer Albert D  
 Gray Richard O  
 Grayzeck Edwin J  
 Green Daniel William E  
 Green Jack  
 Green Louis C  
 Green Richard F  
 Greenberg Richard  
 Greenhill Lincoln J  
 Greenhouse Matthew A  
 Greenstein George  
 Greenstein Jesse L  
 Gregg Michael David  
 Gregory Stephen Albert  
 Greisen Kenneth I  
 Greyber Howard D  
 Griffin I P  
 Griffiths Richard E  
 Grindlay Jonathan E  
 Grinspoon David Harry  
 Gross Peter G  
 Gross Richard Sewart  
 Grossman Allen S  
 Grossman Lawrence  
 Gudehus Donald Henry  
 Guetter Harry Hendrik  
 Guhathakurta Madhulika  
 Guidice Donald A  
 Guinan Edward Francis  
 Gulkis Samuel

- Gull Theodore R  
 Gunn James E  
 Gurman Joseph B  
 Gursky Herbert  
 Gustafson Bo A S  
 Guzik Joyce Ann  
 Gwinn Carl R  
 Habbal Shadia Rifai  
 Hackwell John A  
 Haddock Fred T  
 Hagen John P  
 Hagyard Mona June  
 Haisch Bernhard Michael  
 Hakkila Jon Eric  
 Hale Alan  
 Hall Donald N  
 Hall Douglas S  
 Hall R Glenn  
 Hallam Kenneth L  
 Hamilton Andrew J S  
 Hammel Heidi B  
 Hammond Gordon L  
 Hanisch Robert J  
 Hankins Timothy Hamilton  
 Hanner Martha S  
 Hansen Carl J  
 Hansen Richard T  
 Hanson Robert B  
 Hapke Bruce W  
 Hardebeck Ellen G  
 Hardee Philip  
 Harmer Charles F W  
 Harmer Dianne L  
 Harms Richard James  
 Harnden Frank R  
 Harrington J Patrick  
 Harris Alan William  
 Harris Daniel E  
 Harris Hugh C  
 Harrison Edward R  
 Hart Michael H  
 Harten Ronald H  
 Hartkopf William I  
 Hartmann Dieter H  
 Hartmann Lee William  
 Hartmann William K  
 Hartoog Mark Richard  
 Harvel Christopher Alvin  
 Harvey Gale A  
 Harvey John W  
 Harvey Paul Michael  
 Harwit Martin  
 Hasan Hashima  
 Haschick Aubrey  
 Hathaway David H  
 Hatzes Artie P  
 Hauschildt Peter H  
 Hauser Michael G  
 Havlen Robert J  
 Hawkins Gerald S  
 Hawkins Isabel  
 Hawley Suzanne Louise  
 Hayashi Saeko S  
 Hayes Donald S  
 Haymes Robert C  
 Haynes Martha P  
 Hazen Martha L  
 Heap Sara R  
 Heasley James Norton  
 Hecht James H  
 Heckathorn Harry M  
 Heckman Timothy M  
 Hedeman E Ruth  
 Heeschen David S  
 Hegyi Dennis J  
 Heiles Carl  
 Hein Righini Giovanna  
 Heintz Wulff D  
 Heiser Arnold M  
 Helfand David John  
 Helfer H Lawrence  
 Helin Eleanor Francis  
 Hellwig Helmut Wilhelm  
 Helmken Henry F  
 Helou George  
 Hemenway Mary Kay M  
 Hemenway Paul D  
 Henden Arne Anthon  
 Henriksen Mark Jeffrey  
 Henry Richard B C  
 Henry Richard C  
 Herbig George H  
 Herbst Eric  
 Herbst William  
 Herczeg Tibor J  
 Hernquist Lars Eric  
 Hershey John L  
 Hertz Paul L  
 Hewitt Adelaide  
 Hewitt Anthony V  
 Hibbs Albert R  
 Hildebrand Roger H  
 Hildner Ernest  
 Hill Frank  
 Hill Grant  
 Hill Henry Allen  
 Hilliard Ron  
 Hills Jack G  
 Hilton James Lindsay  
 Hindsley Robert Bruce  
 Hinkle Kenneth H  
 Hinners Noel W  
 Hintzen Paul Michael N  
 Hjellming Robert M  
 Ho Paul T P  
 Hoag Arthur A  
 Hobbs Lewis M  
 Hobbs Robert W  
 Hockey Thomas Arnold  
 Hodapp Klaus-Werner  
 Hodge Paul W  
 Hoeksema Jon Todd  
 Hoessel John Greg  
 Hoff Darrel Barton  
 Hoffleit E Dorrit  
 Hogan Craig J  
 Hogg David E  
 Holberg Jay B  
 Hollenbach David John  
 Hollis Jan Michael  
 Hollowell David Earl  
 Hollweg Joseph V  
 Holman Gordon D  
 Holt Stephen S  
 Holzer Thomas Edward  
 Honeycutt R Kent  
 Horowitz Paul  
 Houck James R  
 Houk Nancy  
 House Lewis L  
 Howard Robert F  
 Howard W Michael  
 Howard William E III  
 Howell Steve Bruce  
 Hrivnak Bruce J  
 Hu Esther M  
 Hubbard William B  
 Hubeny Ivan  
 Huchra John Peter  
 Huebner Walter F  
 Huenemoerder David P  
 Huggins Patrick J  
 Hughes John P  
 Hughes Philip  
 Huguenin G Richard  
 Hummel Christian Aurel  
 Humphreys Roberta M  
 Hundhausen Arthur  
 Hunten Donald M  
 Hunter Christopher  
 Hunter Deidre Ann  
 Hunter James H  
 Huntress Wesley T  
 Hurford Gordon James  
 Hurley Kevin C

- Hurwitz Mark V  
 Hut Piet  
 Hutter Donald John  
 Hyder C L  
 Ianna Philip A  
 Iben Icko  
 Illing Rainer M E  
 Illingworth Garth D  
 Imamura James  
 Imhoff Catherine L  
 Impey Christopher D  
 Ipser James R  
 Irvine William M  
 Jackson Bernard V  
 Jackson Peter Douglas  
 Jackson William M  
 Jacobs Kenneth C  
 Jacobsen Theodor S  
 Jacobson Robert A  
 Jacoby George H  
 Jaffe Daniel T  
 Janes Kenneth A  
 Janiczek Paul M  
 Janka Hans Thomas  
 Jannuzi Buell Tomasson  
 Janssen Michael Allen  
 Jastrow Robert  
 Jefferies Stuart  
 Jefferys William H  
 Jenkins Edward B  
 Jenkins Louise F  
 Jenkner Helmut  
 Jenner David C  
 Jenniskens Petrus Matheus  
 Marie  
 Jewell Philip R  
 Jiang Shengtao  
 Johnson Donald R  
 Johnson Fred M  
 Johnson Hollis R  
 Johnson Hugh M  
 Johnson Torrence V  
 Johnston Kenneth J  
 Jokipii J R  
 Jones Barbara  
 Jones Burton  
 Jones Dayton L  
 Jones Eric M  
 Jones Frank Culver  
 Jones Harrison Price  
 Jones Thomas Walter  
 Jordan Stuart D  
 Jorgensen Inger  
 Joselyn Jo Ann c  
 Joseph Charles Lynn  
 Joss Paul Christopher  
 Joy Marshall J  
 Judge Philip  
 Junkkarinen Vesa T  
 Jura Michael  
 Jurgens Raymond F  
 Kafatos Minas  
 Kaftan May A  
 Kahler Stephen W  
 Kaitchuck Ronald H  
 Kaler James B  
 Kalkofen Wolfgang  
 Kammeyer Peter C  
 Kamp Lucas Willem  
 Kandrup Henry Emil  
 Kane Sharad R  
 Kaplan George H  
 Kaplan J  
 Kaplan Lewis D  
 Karovska Margarita  
 Karp Alan Hersh  
 Karpen Judith T  
 Katz Jonathan I  
 Kaufman Michele  
 Kaula William M  
 Kawaler Steven D  
 Keel William C  
 Keenan Philip C  
 Keene Jocelyn Betty  
 Keil Klaus  
 Keil Stephen L  
 Keller Charles F  
 Keller Christoph U  
 Keller Geoffrey  
 Kellermann Kenneth I  
 Kellogg Edwin M  
 Kembal Athol  
 Kennicutt Robert C  
 Kent Stephen M  
 Kenyon Scott J  
 Kerr Frank J  
 Khare Bishun N  
 Kielkopf John F  
 Kimble Randy A  
 King David S  
 King Ivan R  
 King Robert Wilson  
 Kinman Thomas D  
 Kinney Anne L  
 Kiplinger Alan L  
 Kirby Kate P  
 Kirkpatrick Ronald C  
 Kirshner Robert Paul  
 Kissell Kenneth E  
 Klarmann Joseph  
 Klein Michael J  
 Klein Richard I  
 Kleinmann Douglas E  
 Klemola Arnold R  
 Klemperer W K  
 Klepczynski William J  
 Klimchuk James A  
 Klinglesmith Daniel A  
 Kliore Arvydas Joseph  
 Klock B L  
 Knacke Roger F  
 Knapp Gillian R  
 Kniffen Donald A  
 Knoelker Michael  
 Knowles Stephen H  
 Ko Hsien C  
 Koch David G  
 Koch Robert H  
 Kofman Lev  
 Kohl John L  
 Kojoian Gabriel  
 Kolb Edward W  
 Kondo Yoji  
 Konigl ArieH  
 Koo David C-Y  
 Kopp Greg  
 Kopp Roger A  
 Koratkar Anuradha P  
 Kormendy John  
 Kosovichev Alexander  
 Koupelis Theodoros  
 Kouveliotou Chryssa  
 Kovar N S  
 Kovar Robert P  
 Kowal Charles Thomas  
 Kraft Robert P  
 Kramer Kh N  
 Kraus John D  
 Kraushaar William L  
 Kreidl Tobias J N  
 Krieger Allen S  
 Krisciunas Kevin  
 Kriss Gerard A  
 Krogdahl W S  
 Krolik Julian H  
 Kron Richard G  
 Krumm Nathan Allyn  
 Krupp Edwin C  
 Kuhi Leonard V  
 Kuhn Jeffery Richard  
 Kuin Nicolaas Paulus M  
 Kuiper Thomas B H  
 Kulkarni Shrinivas R  
 Kulsrud Russell M  
 Kumar C Krishna

- Kumar Shiv S  
 Kundu Mukul R  
 Kurfess James D  
 Kurtz Michael Julian  
 Kurucz Robert L  
 Kutner Marc Leslie  
 Kutter G Siegfried  
 Kwitter Karen Beth  
 La Bonte Barry James  
 Lacy Claud H  
 Lacy John H  
 Lada Charles Joseph  
 Laird John B  
 Lamb Frederick K  
 Lamb Richard C  
 Lamb Susan Ann  
 Lamb Donald Quincy  
 Lambert David L  
 Lampton Michael  
 Lande Kenneth  
 Landecker Peter Bruce  
 Landman Donald Alan  
 Landolt Arlo U  
 Lane Adair P  
 Lane Arthur Lonnie  
 Lang Kenneth R  
 Langer George Edward  
 Langer William David  
 Langhoff Stephen Robert  
 Lanning Howard Hugh  
 Larson Harold P  
 Larson Richard B  
 Larson Stephen M  
 Lasala Gerald J  
 Lasher Gordon Jewett  
 Lasker Barry M  
 Latham David W  
 Latter William B  
 Lattimer James M  
 Lautman D A  
 Lawrence Charles R  
 Lawrence G M  
 Lawrence John Keeler  
 Lawrie David G  
 Layden Andrew Choisy  
 Layzer David  
 Lea Susan Maureen  
 Leacock Robert Jay  
 Lebofsky Larry Allen  
 Lebovitz Norman R  
 Lecar Myron  
 Leckrone David S  
 Ledlow Michael James  
 Lee Paul D  
 Leibacher John  
 Leighly Karen Marie  
 Leisawitz David  
 Leitherer Claus  
 Leonard Peter James T  
 Lepp Stephen H  
 Lester Daniel F  
 Leung Chun Ming  
 Leung Kam Ching  
 Levine Randolph H  
 Levison Harold F  
 Levreault Russell M  
 Levy Eugene H  
 Lewin Walter H G  
 Lewis Brian Murray  
 Lewis J S  
 Li Hong-Wei  
 Liang Edison P  
 Libbrecht Kenneth G  
 Liddell U  
 Liebert James W  
 Lieske Jay H  
 Likkel Lauren Jones  
 Lilley Edward A  
 Lillie Charles F  
 Lin Chia C  
 Lin Douglas N C  
 Lincoln J Virginia  
 Lindsey Charles Allan  
 Lingenfelter Richard E  
 Linke Richard Alan  
 Linnell Albert P  
 Linsky Jeffrey L  
 Linsley John  
 Lippincott Sarah Lee  
 Lipschutz Michael E  
 Lis Dariusz C  
 Lissauer Jack J  
 Liszt Harvey Steven  
 Little-Marenin Irene R  
 Littleton John E  
 Litvak Marvin M  
 Liu Sou-Yang  
 Livingston William C  
 Lo Kwok-Yung  
 Locanthi Dorothy Davis  
 Lochner James Charles  
 Lockman Felix J  
 Lockwood G Wesley  
 Long Knox S  
 Longmore Andrew J  
 Lonsdale Carol J  
 Lopes-Gautier Rosaly  
 Lord Steven Donald  
 Loren Robert Bruce  
 Lovas Francis John  
 Lovelace Richard V E  
 Low Boon Chye  
 Low Frank J  
 Lu Limin  
 Lu Phillip K  
 Lubowich Donald A  
 Luck R Earle  
 Lucke Peter B  
 Luggner Phyllis M  
 Lundquist Charles A  
 Luttermoser Donald  
 Lutz Barry L  
 Lutz Julie H  
 Lynch David K  
 Lynds Beverly T  
 Lynds Roger C  
 Ma Chopo  
 Macalpine Gordon M  
 Macchetto Ferdinando  
 MacConnell Darrell J  
 MacDonald James  
 Mack Peter  
 MacQueen Robert M  
 Macy William Wray  
 Madau Piero  
 Madore Barry Francis  
 Magnani Loris Alberto  
 Malina Roger Frank  
 Malitson Harriet H  
 Malkamaeki Lauri J  
 Malkan Matthew Arnold  
 Malville J Mckim  
 Mangum Jeffrey Gary  
 Mansfield Victor N  
 Maran Stephen P  
 Marcialis Robert  
 Margon Bruce H  
 Margrave Thomas Ewing  
 Mariska John Thomas  
 Mark James Wai-Kee  
 Markowitz William  
 Markworth Norman Lee  
 Marochnik L S  
 Marschall Laurence A  
 Marscher Alan Patrick  
 Marsden Brian G  
 Marshall Herman Lee  
 Marston Anthony Philip  
 Martin Robert N  
 Martin William C  
 Martins Donald Henry  
 Marvin Ursula B  
 Mason Glenn M  
 Massa Derck Louis  
 Massey Philip L



- Masson Colin R  
 Matese John J  
 Mather John Cromwell  
 Mathews William G  
 Mathieu Robert D  
 Mathis John S  
 Matsakis Demetrios N  
 Matson Dennis L  
 Mattei Janet Akyuz  
 Matthews Clifford  
 Matthews Henry E  
 Matthews Thomas A  
 Mattox John  
 Matz Steven Micheal  
 Matzner Richard A  
 Mauche Christopher W  
 Mauersberger Rainer  
 Max Claire E  
 Maxwell Alan  
 Mayer Cornell H  
 Mayfield Earle B  
 Mazurek Thaddeus John  
 McAlister Harold A  
 McCabe Marie K  
 McCammon Dan  
 McCarthy Dennis D  
 McClain Edward F  
 McClintock Jeffrey E  
 McCluskey George E  
 McCord Thomas B  
 McCray Richard  
 McCrosky Richard E  
 McDonald Frank B  
 McDonough Thomas R  
 McElroy M B  
 McFadden Lucy Ann  
 McGaugh Stacy Sutton  
 McGimsey Ben Q  
 McGrath Melissa Ann  
 McGraw John T  
 McIntosh Patrick S  
 McKee Christopher F  
 McKinnon William Beall  
 McLaren Robert A  
 McLean Brian J  
 McLean Ian S  
 McMahan Robert Kenneth  
 McMillan Robert S  
 Mcnamara Delbert H  
 Mead Jaylee Montague  
 Meech Karen  
 Meeks M Littleton  
 Mehringer David Michael  
 Meier David L  
 Meier Robert R  
 Meisel David D  
 Melbourne William G  
 Melia Fulvio  
 Melnick Gary J  
 Melott Adrian L  
 Mendis Devamitta Asoka  
 Mertz Lawrence N  
 Meszaros Peter  
 Meyer David M  
 Meyers Karie Ann  
 Michalitsianos Andrew  
 Michel F Curtis  
 Mickelson Michael E  
 Mighell Kenneth John  
 Mihalas Barbara R Weibel  
 Mihalas Dimitri  
 Mikesell Alfred H  
 Milkey Robert W  
 Miller Freeman D  
 Miller Guy Scott  
 Miller Hugh R  
 Miller Joseph S  
 Miller Richard H  
 Milligan J E  
 Millikan Allan G  
 Millis Robert L  
 Misconi Nebil Yousif  
 Misner Charles W  
 Mitchell Kenneth J  
 Modali Sarma B  
 Modisette Jerry L  
 Moffett Thomas J  
 Molnar Michael R  
 Monet Alice K B  
 Monet David G  
 Moody Joseph Ward  
 Mook Delo E  
 Moore Elliott P  
 Moore Ronald L  
 Moos Henry Warren  
 Moran James M  
 Morgan John Adrian  
 Morgan Thomas H  
 Moriarty-Schieven G H  
 Morris Charles S  
 Morris Mark Root  
 Morris Steven  
 Morrison David  
 Morrison Nancy Dunlap  
 Morrison Philip  
 Morton G A  
 Motz Lloyd  
 Mouschovias Telemachos Ch  
 Mozurkewich David  
 Mueller Ivan I  
 Muench Guido  
 Mufson Stuart Lee  
 Mukai Koji  
 Mukherjee Krishna  
 Mullan Dermott J  
 Muller Richard A  
 Mumford George S  
 Mumma Michael Jon  
 Mundy Lee G  
 Munro Richard H  
 Murdock Thomas Lee  
 Murphy Brian William  
 Murphy Robert E  
 Murray Stephen David  
 Murray Stephen S  
 Murthy Jayant  
 Musen Peter  
 Mushotzky Richard  
 Musielak Zdzislaw E  
 Musman Steven  
 Mutel Robert Lucien  
 Mutschlechner J Paul  
 Myers Philip C  
 Nacozy Paul E  
 Narayan Ramesh  
 Nariai Kyoji  
 Nather R Edward  
 Navarro Julio Fernando  
 Neff James Edward  
 Neff John S  
 Neff Susan Gale  
 Neidig Donald F  
 Nelson Burt  
 Nelson George Driver  
 Nelson Jerry E  
 Nelson Robert M  
 Nemiroff Robert  
 Ness Norman F  
 Neugebauer Gerry  
 Neupert Werner M  
 Newburn Ray L  
 Newhall X X  
 Newman Michael John  
 Newsom Gerald H  
 Newton Robert R  
 Nichols-Bohlin Joy  
 Nicolas Kenneth Robert  
 Nicoll Jeffrey Fancher  
 Nicollier Claude  
 Niedner Malcolm B  
 Niell Arthur E  
 Nilsson Carl  
 Ninkov Zoran  
 Nishimura Tetsuo  
 Noerdlinger Peter D



- Noll Keith Stephen  
 Noonan Thomas W  
 Noriega-Crespo Alberto  
 Norman Colin A  
 Noumaru Junichi  
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 Noyes Robert W  
 Nuth Joseph A III  
 O'Connell Robert West  
 O'Connell Robert F  
 O'Dea Christopher P  
 O'Dell Charles R  
 O'Dell Stephen L  
 O'Handley Douglas A  
 O'Keefe John A  
 O'Leary Brian T  
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 Odenwald Sten F  
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 Oemler Augustus  
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 Oesterwinter Claus  
 Ofman Leon  
 Ogelman Hakki B  
 Ohashi Nagayoshi  
 Oka Takeshi  
 Oliver Bernard M  
 Oliver John Parker  
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 Olmi Luca  
 Olowin Ronald Paul  
 Olsen Kenneth H  
 Olson Edward C  
 Onello Joseph S  
 Opendak Michael  
 Orlin Hyman  
 Ormes Jonathan F  
 Orton Glenn S  
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 Osterbrock Donald E  
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 Oswalt Terry D  
 Owen Frazer Nelson  
 Owen Tobias C  
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 Ozsvath I  
 Pacholczyk Andrzej G  
 Paciesas William S  
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 Palmer Patrick E  
 Pan Xiao-Pei  
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 Smith Bruce F  
 Smith Dean F  
 Smith Eric Philip  
 Smith Graeme H  
 Smith Haywood C  
 Smith Myron A  
 Smith Peter L  
 Smith Verne V  
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 Smith Harding E  
 Smoot III George F  
 Sneden Christopher A  
 Snell Ronald L  
 Snow Theodore P  
 Snyder Lewis E  
 Soberman Robert K  
 Sobieski Stanley  
 Soderblom David R  
 Soderblom Larry  
 Sofia Sabatino  
 Soifer Baruch T  
 Solanes Majua Jose M  
 Solomon Philip M  
 Sonett Charles P  
 Sonneborn George  
 Soon Willie H  
 Sowell James Robert  
 Sparke Linda  
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 Stahr-Carpenter M  
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 Stanford Spencer A  
 Stanley G J  
 Stark Antony A  
 Stark Glen  
 Starrfield Sumner  
 Stauffer John Richard  
 Stebbins Robin  
 Stecher Theodore P  
 Stecker Floyd W  
 Stefanik Robert  
 Steiger W R  
 Steigman Gary  
 Steiman-Cameron Thomas  
 Stein John William  
 Stein Robert F  
 Stein Wayne A  
 Steinolfson Richard S  
 Stellingwerf Robert F  
 Stencil Robert Edward  
 Stephenson C Bruce  
 Stepinski Tomasz  
 Stern Robert Allan  
 Stern S Alan  
 Stier Mark T  
 Stinebring Daniel R  
 Stocke John T  
 Stockman Hervey S  
 Stockton Alan N  
 Stone Edward C  
 Stone James McLellan  
 Stone R G  
 Stone Remington P S  
 Stone Ronald Cecil  
 Strachan Leonard Jr  
 Strand Kaj Aa  
 Strelnitski Vladimir  
 Stringfellow Guy Scott  
 Strittmatter Peter A  
 Strobel Darrell F  
 Strom Karen M  
 Strom Robert G  
 Strom Stephen E  
 Strong Ian B  
 Strong John D  
 Strong Keith T  
 Struble Mitchell F  
 Struck-Marcell Curtis J  
 Stryker Linda L  
 Sturch Conrad R

- Sturrock Peter A  
 Suess Steven T  
 Sulentic Jack W  
 Sullivan Woodruff T  
 Surdej Jean M G  
 Sutton Edmund Charles  
 Swade Daryl Allen  
 Swank Jean Hebb  
 Sweigart Allen V  
 Sweitzer James Stuart  
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 Sykes Mark Vincent  
 Synnott Stephen P  
 Szalay Alex  
 Szebehely Victor G  
 Szkody Paula  
 Taam Ronald Everett  
 Tademaru Eugene  
 Taff Laurence G  
 Talbot Raymond J  
 Tandberg-Hanssen Einar A  
 Tapia-Perez Santiago  
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 Tarnstrom Guy  
 Tarter C Bruce  
 Tarter Jill C  
 Taylor Donald J  
 Taylor Gregory Benjamin  
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 Telesco Charles M  
 Terrell Nelson James  
 Terrile Richard John  
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 Tift William G  
 Timothy J Gethyn  
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 Title Alan Morton  
 Tohline Joel Edward  
 Tokunaga Alan Takashi  
 Tolbert Charles R  
 Toller Gary N  
 Tomasko Martin G  
 Toner Clifford George  
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 Toomre Alar  
 Toomre Juri  
 Torres Guillermo  
 Torres Dodgen Ana V  
 Townes Charles Hard  
 Trafton Laurence M  
 Traub Wesley Arthur  
 Treffers Richard R  
 Tremaine Scott Duncan  
 Trexler James H  
 Trimble Virginia L  
 Tripicco Michael J  
 Troland Thomas Hugh  
 Truran James W  
 Tsuruta Sachiko  
 Tsvetanov Zlatan I  
 Tucker Wallace H  
 Tull Robert G  
 Tully Richard Brent  
 Turner Barry E  
 Turner Edwin L  
 Turner Jean L  
 Turner Kenneth C  
 Turner Michael S  
 Turnshek David A  
 Twarog Bruce A  
 Tyler G Leonard  
 Tylka Allan J  
 Tyson John Anthony  
 Tytler David  
 Ulich Bobby Lee  
 Ulmer Melville P  
 Ulrich Roger K  
 Ulvestad James Scott  
 Underwood James H  
 Unwin Stephen C  
 Uomoto Alan K  
 Upgren Arthur R  
 Upson Walter L II  
 Upton E K I  
 Urban Sean Eugene  
 Urry Claudia Megan  
 Usher Peter D  
 Uson Juan M  
 van Allen James A  
 van Altena William F  
 van Blerkom David J  
 van Breugel Wil  
 van Citters Gordon W  
 van der Marel Roeland P  
 van der Veen Wilhelmus EC  
 van Dorn Bradt Hale  
 van Dyk Schuyler  
 Van Flandern Tom  
 van Gorkom Jacqueline H  
 van Hamme Walter  
 van Horn Hugh M  
 van Hoven Gerard  
 van Moorsel Gustaaf  
 van Riper Kenneth A  
 van Speybroeck Leon P  
 Vanden Bout Paul A  
 Vandervoort Peter O  
 Vaughan Arthur H  
 Veeder Glenn J  
 Veillet Christian  
 Veilleux Sylvain  
 Velusamy T  
 Verschuur Gerrit L  
 Verter Frances  
 Vesecky J F  
 Veverka Joseph  
 Vilas Faith  
 Vishniac Ethan T  
 Vogel Stuart Newcombe  
 Vogt Steven Scott  
 von Hippel Theodore A  
 Vorpahl Joan A  
 Vrba Frederick J  
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 Vrtilek Saeqa Dil  
 Waddington C Jake  
 Wade Richard Alan  
 Wagner Raymond L  
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 Walborn Nolan R  
 Walker Alta Sharon  
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- Wang Qingde Daniel  
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 Weller Charles S  
 Wells Donald C  
 Wells Eddie Neil  
 Wentzel Donat G  
 Westerhout Gart  
 Westphal James A  
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 Weymann Ray J  
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 Wheeler John A  
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 White Oran R  
 White R Stephen  
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 White Richard L  
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 Whitney Charles A  
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 Whittle D Mark  
 Widing Kenneth G  
 Wiese Wolfgang L  
 Wiita Paul Joseph  
 Wildey Robert L  
 Wilkening Laurel L  
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 Wilkinson David T  
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 Williamon Richard M  
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 Williams James G  
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 Winkler Gernot M R  
 Winkler Karl-Heinz A  
 Winkler Paul Frank  
 Withbroe George L  
 Witt Adolf N  
 Witten Louis  
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 Wolfson Richard  
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 Woosley Stanley E  
 Wootten Henry Alwyn  
 Worden Simon P  
 Worley Charles E  
 Wray James D  
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 Wright Frances W  
 Wright Helen Greuter  
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 Young Judith Sharn  
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Zhanf Shouzhong  
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Zhang Er-Ho  
Zhang Xiaolei  
Zhao Jun Hui  
Zheng Wei

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Ziurys Lucy Marie  
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Stoeger William R

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Calvet Nuria  
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Taboada Ramon Rodriguez

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Ponce G A

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Kadouri Talib Hadi  
Sadik Aziz R

Younis Saad M

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**Kazakhstan**Denisyuk Edvard K  
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 Chio Chol Zong  
 Choi Won Chol  
 Dong Il Zun

Hong Hyon Ik  
 Kang Gon Ik  
 Kang Jin Sok  
 Kim Jik Su  
 Kim Yong Hyok  
 Kim Yong Uk  
 Kim Yul

Kim Zong Dok  
 Li Gi Man  
 Li Gyong Won  
 Li Hyok Ho  
 Li Sin Hyong  
 Li Son Jae

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Touma Hamid

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 Okeke Pius N

Okoye Samuel E

Schmitter Edward F

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Troche-Boggino A E

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**Singapore**

Wan Fook Sun  
 Wilson S J



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Dominko Fran  
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