

Author Index

Akim, E. L. – 115
Aksnes, K. – 42
Atreya, S. K. – 130

Barbieri, C. – 213, 224
Bedini, P. D. – 141
Bettanini, C. – 213
Blanco, C. – 219
Bolton, S. J. – 13, 92, 199
Bortoletto, A. – 189
Bortoletto, D. R. – 193

Capria, M. T. – 213
Chakrabarti, S. – 71
Clarke, T. C. – 199
Consolmagno, G. SJ, 177
Coyne, G. V., S. J. – 3
Cremonese, G. – 213
Curreli, D. – 229

Da Deppo, V. – 213
Debei, S. – 213
de Fernandes, I. F. – 193
de Oliveira-Abans, M. – 193

Encrenaz, T. – 155

Fulvio, D. – 219

Galand, M. – 71
Grava, C. – 224
Guida, P. G. J. – 193

Hand, K. P. – 165

Ip, W. H. – 87

Jia, X. – 58
Johnson, T. V. – 49
The Juno Team, 92

Kivelson, M. – 58
Khurana, K. K. – 58

Korablev, O. – 115
Kraus, A. – 245

Lorenzini, E. C. – 229
Lupishko, D. – 234, 250

Mack, K.-H. – 245
Martellato, E. – 213
Martynov, M. – 115
Massironi, M. – 213
McKay, C. – 165
Mendillo, M. – 33

Naletto, G. – 213
Noyelles, B. – 240

Owen, T. – 13

Pappalardo, R. T. – 101
Peruzzi, G. – 20
Pilcher, C. – 165
Pluchino, S. – 245
Pozhalova, Zh. – 234, 250
Prockter, L. M. – 141
Pupillo, G. – 245

Righini, A. – 27

Saito, R. K. – 189
Salerno, E. – 245
Santos, R. – 193
Schenk, P. – 254
Schneider, N. M. – 80, 224
Schillirò, F. – 245
Sobel, D. – 7

Vorobyova, E. – 115

Zaccariotto, M. – 213
Zakharov, A. – 115
Zanutto, D. – 229
Zelenyi, L. – 115

Subject Index

- Abundances – 130
- Aristotle – 3
- Asteroids – 234
- Astrobiology – 165
- Astronomy – 193
- Astronomy and the Bible – 7
- Atlases – 33
- Aurora – 71

- Binary asteroids – 250
- Biosignatures – 165
- Blindness – 7

- Callisto – 42, 49
- Celestial mechanics – 141
- Constellations – 199
- Convection – 101
- Copernican System – 20
- Copernicus – 3
- Cosmotheoros – 13

- Data analysis – 189
- Discoveries – 250

- Formation – 155
- Fundamental parameters – 189

- Eclipses – 42
- Electrodynamic Propulsion – 229
- Enceladus – 130
- Ephemerides – 42
- Erosion – 87
- Europa – 42, 49, 101, 115, 165, 245
- Exobiology – 165
- Extraterrestrial life – 177

- Galileo Galilei – 13, 20, 27
- Galilean moons – 58
- Galilean satellites – 115, 219
- Ganymede – 42, 49, 130, 245
- Gardening – 87

- Habitability – 101, 115
- History and Philosophy of Astronomy – 27, 49, 141
- History and Philosophy of Science – 33
- History of Astronomy – 13, 20
- History of Science – 20, 177
- Huygens – 13

- Ice – 101
- Image bank – 193
- Index of Prohibited Books – 7
- Instruments – 213
- Internal structure – 234
- Io – 42, 49, 80, 130, 224, 245

- Jovian Environment – 229
- Jupiter – 33, 49, 87, 115, 130, 219, 245
- the Jovian rings – 87

- Kuiper Belt – 189

- Magnetic field – 58
- Magnetosphere – 58
- Medicean Moons – 71
- Mercury – 213
- Methods – 189
- Moon – 130
- Moons of Jupiter – 3
- Moons – 165, 199
- Mythology – 199

- Near-Earth objects – 234
- Neptune – 130

- Occultations – 42, 245
- Ocean – 101
- Outreach – 193

- Paintings – 199
- Phases of Venus – 3
- Photometric – 219
- Physical properties – 234
- Planets – 199, 213
- Planets and Satellites – 33, 49, 80, 130, 141, 155, 189, 219, 224, 240, 245, 250
- Plasma Torus – 229

- Radiation Belts – 229
- Radio continuum – 245
- Remote observation – 193

- Saturn – 130
- the Saturnian rings – 87
- Science and faith – 7
- Scientific Revolution – 20
- Sidereus Nuncius – 3
- Solar system – 130, 155, 245
- Space exploration – 199
- Space Plasma – 229

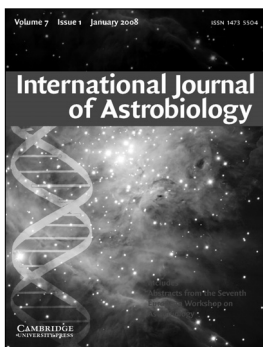
Space research – 115
Space Tethers – 229
Space vehicles – 49, 141, 213
Spectroscopy – 165
Sun – 130

Techniques – 219
Telescope – 3, 27, 219

Time – 42
Titan – 130
Triton – 130

Ultraviolet – 71
Uranus – 130

virtual observatory – 193



International Journal of Astrobiology

**International Journal of
Astrobiology**

is available online at:

<http://journals.cambridge.org/ija>

**To subscribe contact
Customer Services**

in Cambridge:

Phone +44 (0)1223 326070

Fax +44 (0)1223 325150

Email journals@cambridge.org

in New York:

Phone +1(845) 353 7500

Fax +1 (845) 353 4141

Email

subscriptions_newyork@cambridge.org

Managing Editor

Simon Mitton, University of Cambridge, UK

Astrobiology combines the sciences of biology, chemistry, palaeontology, geology, atmospheric physics, planetary science, astrophysics and cosmology in the study of the origin, evolution and distribution of life in the universe. The *International Journal of Astrobiology* acts as an important forum for practitioners in this rapidly expanding field.

Price information is available at:
<http://journals.cambridge.org/ija>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

For free online content visit:
<http://journals.cambridge.org/ija>



**CAMBRIDGE
UNIVERSITY PRESS**

IAU Symposium No. 269

6–9 January 2010,
Padova, Italy

Galileo's Medicean Moons: Their Impact on 400 Years of Discovery

IAU Symposium 269 celebrates the 400th anniversary of Galileo Galilei's discovery of the Medicean Moons, Jupiter's four largest moons, exploring the impact his findings have had on science and the humanities. Galileo's instrumental discovery and his belief that the planets and moons in our Solar System could be habitable worlds encouraged a deeper understanding of our place in the Universe. Today, ongoing space missions to Jupiter's moons, our own Moon, Mars, Saturn, and Enceladus, reveal our continued fascination with the possibilities of alien life, but this time with a focus on potential host sites for primitive life forms. These critical reviews examine our present knowledge of the Jupiter system, and consider how future space missions and improvements in telescopes will bolster the contemporary vision of our Solar System, of the many known extrasolar planetary systems, and of life forms beyond the Solar System.

Proceedings of the International Astronomical Union
Editor in Chief: Dr. Ian F. Corbett

This series contains the proceedings of major scientific meetings held by the International Astronomical Union. Each volume contains a series of articles on a topic of current interest in astronomy, giving a timely overview of research in the field. With contributions by leading scientists, these books are at a level suitable for research astronomers and graduate students.

International Astronomical Union



Mixed Sources
Product group from well-managed
forests and other controlled sources
www.fsc.org Cert no. SA-COC-1527
© 1996 Forest Stewardship Council

Proceedings of the International Astronomical Union

Cambridge Journals Online

For further information about this journal please
go to the journal website at:

journals.cambridge.org/iau

CAMBRIDGE
UNIVERSITY PRESS

ISBN 978-0-521-19556-0



9 780521 195560 >