

23 Short Courses Offered at MRS Fall Meeting

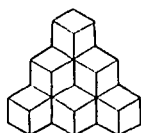
Vivienne Harwood Mattox
MRS Short Course Manager

The MRS short course program to be offered at the 1986 MRS Fall Meeting will consist of 23 courses, including nine new courses. This number of courses represents a significant expansion of the program for this meeting. The program will cover the latest in emerging materials technology and related topics in addition to some of the most popular review courses on materials preparation, fabrication, characterization and utilization. Some of the courses on epitaxial growth, thin films, and plasma processing of semiconductors are designed so that together they present a comprehensive treatment of a diverse subject. (See the ad elsewhere in this issue of the BULLETIN.)

The first "stand-alone" short course program is scheduled for October 1-3, 1986 in Albuquerque, NM. A "stand-alone" program is one that is not being held in conjunction with a technical meeting. Two intensive three-day short courses are being cosponsored by MRS and the University of New Mexico. The topics are: "Characterization of Powders and Porous Materials" and "Plasma Modeling, Pattern Transfer, and Nonintrusive Plasma Diagnostics for IC Fabrication." Use of the laboratory facilities of the university, including the UNM Powders and Granular Materials Laboratory will add a new dimension to these short courses. This program has been developed with the valuable support and enthusiasm of the MRS New Mexico Section. It is hoped that other programs involving the use of laboratory facilities for demonstrations and "hands-on" experience will be developed in 1987.

The on-site short course program continues to receive interest and support from industry. The last issue of the BULLETIN listed the current roster of MRS short courses available for on-site presentation on an instructor-available basis. Several new courses are being developed for the 1987 Spring Meeting.

If you are interested in more detailed information concerning future plans for the short course program, contact the MRS Short Course Manager, Vivienne Harwood Mattox; telephone (505) 294-9532. MRS invites comments and suggestions for the short course program.



Slate of Candidates Announced For 1987 MRS Offices

In his capacity as chairman of the MRS Nominating Committee, Elton N. Kaufmann (Lawrence Livermore National Laboratory) has announced that the committee and the MRS Council have concluded the nomination and approval process for a slate of candidates who will run for 1987 MRS offices in the 1986 Society election. Below are listed the individuals who will appear on the ballot to be distributed shortly to MRS members.

First Vice President and President-Elect

(1-year term)

John E. E. Baglin (IBM -Yorktown Heights)
Clifton W. Draper (AT&T Technologies)

Second Vice President

(1-year term)

R. P. H. Chang (Northwestern University)
Paul S. Percy (Sandia National Laboratories)

Secretary

(2-year term)

David R. Campbell (IBM -East Fishkill)
Julia M. Phillips (AT&T Bell Laboratories)

Treasurer

(2-year term)

Susan M. Kelso (Xerox PARC)
James B. Roberto (Oak Ridge National Laboratory)

Councillor

(3-year term)

(5 seats to be filled)

John K. Bates (Argonne National Laboratory)
David K. Biegelsen (Xerox PARC)
Clifton W. Draper (AT&T Technologies)
Rodney C. Ewing (University of New Mexico)
Robert A. Huggins (Stanford University)
Herbert H. Johnson (Cornell University)
Ross A. Lemons (Los Alamos National Laboratory)
Paul S. Percy (Sandia National Laboratories)
John M. Poate (AT&T Bell Laboratories)
Richard L. Schwoebel (Sandia National Laboratories)
C. W. (Woody) White (Oak Ridge National Laboratory)

Biographical information and statements by the candidates will be enclosed with the mail ballots. Election procedures require that the total number of members of the MRS Council (officers plus councillors) be maintained at 21. It has not been unusual for officers to be elected as councillors and vice versa in the past. When such a dual role occurs, the number of new councillors elected will be adjusted to maintain the total representation at 21.

Kaufmann emphasized that now that the work of the Nominating Committee is done, MRS members must exercise their right to determine the outcome of the election. "All the candidates are excellent and will serve the Society well if elected," said Kaufmann, "but each has his/her own views on the directions MRS should follow and the choice of the membership will control what paths we pursue."

MATERIALS RESEARCH SOCIETY

1986 Fall Short Course Program

The Materials Research Society has slated a short course program on materials science topics to be run in conjunction with the Society's 1986 Fall Meeting to be held December 1-6, 1986 at the Boston Marriott Hotel/Copley Place in Boston, Massachusetts. The program consists of twenty-three courses, which are either one, two, or three days in length.

Application of Reflection Electron Diffraction to Epitaxial Growth

Instructor: P.I. Cohen. December 1

Liquid Phase Epitaxy Techniques

Instructor: L.R. Dawson. December 1

Molecular Beam Epitaxy

Instructor: G.W. Wicks. December 2-3

Vapor Phase Epitaxy

Instructors: P.D. Dapkus and H. Cox. December 4-5

Film Formation, Adhesion and Surface Preparation

Instructor: D.M. Mattox. December 2

Films and Coatings for Science and Technology

Instructor: D.M. Mattox. December 5-6

Properties of Films and Coatings

Instructor: D.M. Mattox. December 3

Plasma Etching for Microelectronic Fabrication

Instructors: H.H. Sawin and G.K. Herb. December 3-4

Plasma Enhanced CVD of Thin Films for Microelectronics

Instructor: R. Reif. December 5

Deep Level Transient Spectroscopy of Semiconductor Materials

Instructor: C.E. Barnes. December 4

Ion Beam Processes for Materials Modification

Instructor: J.K. Hirvonen. December 4

Fractals in Materials Science

Instructors: J. Martin and A.J. Hurd. December 1

Safety Considerations in Semiconductor Plasma Processing

Instructor: G.K. Herb. December 6

Sol Gel Processing of Glass

Instructors: C.J. Brinker and G. Scherer.
December 5-6

Surface and Thin Film Analysis

Instructors: L.C. Feldman and J.W. Mayer.
December 5-6

Ion Implantation, Diffusion, Defects and Rapid Thermal Processing

Instructors: T.E. Seidel, S. Shatas and D. Maher.
December 5-6

Introduction to Transmission and Analytical Electron Microscopy

Instructors: A.D. Romig and D.B. Williams.
December 4-5

Introduction to Ceramic and Metal Matrix Composites

Instructors: J. Mecholsky and M. Amateau.
December 4-5

Amorphous Semiconductor Materials and Devices

Instructor: D. Adler. December 4-5

Modern Materials Analysis Techniques

Instructors: J.A. Borders, K.H. Eckelmeyer and S.H. Weissmann. December 1-3

Experimental Strategies for Optimizing Process Variables

Instructor: D.H. Doehlert. December 4-6

Microelectronic Packaging: Materials, Processing and Reliability

Instructors: S.K. Prasad and R.K. Shukla.
December 4-6

Environmental Degradation of Materials

Instructors: R.M. Latanision and G.J. Yurek.
December 4-5

Special discounts on tuition are offered to registrants attending certain groups of courses. For further details on courses, discount fees and instructors contact the Materials Research Society, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237. Telephone (412) 367-3003.

ON-SITE COURSES

On-Site courses can be tailored to the needs of the requesting organization and are offered on an instructor available basis. For details of On-Site courses contact:

Vivienne Harwood Mattox
MRS Short Course Manager
Telephone (505) 294-9532.