

MRS On-Site Program Offers Over 40 Short Courses, Completes Joint Venture

Over 40 short courses, varying in length from one to three days, are now available from the Materials Research Society for presentation at the site of a requesting organization. During the past two years the MRS Short Course Program has grown significantly, and is now widely recognized for its unique form of quality education for scientists, engineers, managers, and technical personnel working in a diverse range of materials-related disciplines.

The year 1988 marked the first year that the Materials Research Society has presented short courses at technical meetings sponsored by other professional organizations. In February MRS presented four short courses on the weekend preceding the World Congress on Superconductivity in Houston, Texas. Four short courses from the MRS portfolio were modified to emphasize high temperature supercon-

ductivity themes: Sol-Gel Processing (Instructor-C. Jeffrey Brinker, Sandia National Laboratories); Film and Coating Deposition Techniques (Instructor-Donald M. Mattox, Sandia National Laboratories); Film Formation and Characterization (Instructor-Donald M. Mattox); and Superconductive Materials and Applications (Instructor-Robert E. Schwall, IBM Visiting Scientist at MIT). The program was well received by the participants and proved to be a successful collaboration in education. Other joint educational ventures with professional societies are planned.

The MRS portfolio of short courses for on-site presentation is specifically designed as training for research professionals in current and emerging areas of materials science. Emphasis is given to areas where written information may not be widely available and the direct experience

of the instructor is invaluable. The MRS Short Course Program provides: up-to-date specialty and review courses, technology transfer and problem solving, contact with outstanding experts in their fields, course content tailored to the needs of attendees, and cost-effective education.

MRS On-Site courses can be purchased by a requesting organization for a fixed fee. Up to 30 attendees can be placed in a course, and there are no travel costs for staff and minimal time is lost from work.

An On-Site Short Course portfolio with detailed descriptions and topical outlines for each course is available from the MRS Short Course Manager, Vivienne Harwood Mattox (505) 294-9532.

Vivienne Harwood Mattox
MRS Short Course Manager

MRS ON-SITE SHORT COURSES IN MATERIALS SCIENCE AND TECHNOLOGY

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| <ul style="list-style-type: none"> Liquid Phase Epitaxy Techniques Molecular Beam Epitaxy Vapor Phase Epitaxy Film Formation, Adhesion and Surface Preparation Plasma-Enhanced CVD of Thin Films for Microelectronic Fabrication Ion Implantation and Diffusion Sol-Gel Processing of Glass Materials Aspects and Recent Advances of Silicon Device Processing Metalorganic Chemical Vapor Deposition Rapid Thermal Processing Photon-Controlled Processing for Microelectronics Silicon Epitaxy: Present and Future Epitaxial Growth of Compound Semiconductors: MBE, LPE, VPE Films and Coatings for Science and Technology Plasma Etching for Microelectronic Fabrication Ion Beam Processes for Materials Modification Microelectronic Packaging: Materials, Processing and Reliability Technology and Metallurgy of Fusion Welding Fundamentals and Applications of Ion Plating Metallization for VLSI Technology Modern Materials Analysis Techniques Electron Microscopy of Thin Films Surface and Thin Film Analysis Characterization of Films, Coatings, and Surfaces | <ul style="list-style-type: none"> Application of RHEED to Epitaxial Growth Deep Level Transient Spectroscopy Amorphous Semiconductor Materials and Devices Ceramic and Metal Matrix Composites Application of Fractals in Materials Science Computer-Assisted X-Ray Diffraction Analysis Characterization of Powders and Porous Materials IC Failure Mechanisms and Analytical Techniques Atom Probe Microanalysis: Applications to Materials Problems Scanning Tunneling Microscopy: Theory and Practice Nuclear Magnetic Resonance Spectroscopy Scanning Electron Microscopy and X-Ray Microanalysis Hazardous Aspects of Semiconductor Device Processing Applications of Microprocessors to Equipment Interfacing and Process Control Contamination Control for the Microelectronics Industry Vacuum and Plasma Technology for Materials Processing Optical and Laser Techniques for Semiconductor Dry Process Diagnostics Solid Lubricants Crystalline Polymers Conventional and High-Temperature Superconductors Optoelectronic Materials, Processes, and Devices |
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For details about MRS On-Site Short Courses, contact Vivienne Harwood Mattox (505) 294-9532.

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