

## SINTERING '95 Will Explore the Science, Technology, and Applications of Sintering

SINTERING '95, an international conference organized and hosted by Pennsylvania State University's Particulate Materials Center, will be held September 24-27, 1995 at the Scanticon Hotel and Conference Center in State College, Pennsylvania. The program is being chaired by Professors Randall M. German and Gary L. Messing, both of Penn State, and coordinated by an international organizing committee of 29 recognized experts in the field.

The three-day event will cover new developments in the applications of sintering processes for fabricating powder particulate-based materials, will investigate new modeling of densification mechanisms, and will explore novel and alternative processes for conventional sintering. Highlighting the conference will be a special session devoted to future needs in the field of sintering.

More than 300 investigators and practitioners from the international sintering community are expected to attend. The program—which will comprise about 100 invited lectures, contributed papers, and poster presentations—will focus on the following topics:

Modeling and Simulation of Sintering,  
Modeling of Grain Growth,

Computer Simulations,  
Sintering Kinetics,  
Liquid Phase Sintering,  
Processing Sintering Microstructure Relationships,  
Characterization,  
*In Situ* Microscopy of Sintering,  
Dimensional Control,  
Sintering Reactive Systems,  
Novel Sintering Techniques,  
Pressure-Assisted Densification,  
Atmosphere Effects and Control, and  
Microstructure.

Papers are being solicited on these topics, and the deadline for abstracts is **November 15, 1994**. A peer-reviewed conference proceedings will be published.

SINTERING '95 has been endorsed by the American Ceramic Society, APMI International, the International Institute for the Science of Sintering, the Metal Powder Industries Federation, and the Materials Research Society.

To receive the Call For Papers or the Conference Program, contact: Particulate Materials Center, 147 Research Building West, University Park PA 16802-6809. Tel. (814) 863-6156, fax (814) 863-9704, or e-mail your request with full address to: [rgc5@oas.psu.edu](mailto:rgc5@oas.psu.edu) □

## North Carolina Section Meeting Will Explore New Materials

A seminar titled *New Materials for Science and Technology* will highlight the November 18, 1994 meeting of the MRS North Carolina Section. The program, to be held in the auditorium of the Microelectronics Center of North Carolina, will feature morning presentations by six invited speakers, and an afternoon poster session (contributed papers).

Topics to be covered by the invited speakers will be:

Application of High-Temperature Superconductors, by Wei-Kan Chu (University of Houston);

Impact of New Materials on Power Devices, by Jay Baliga (North Carolina State University);

MEMS: New Industrial Revolution, by Karen Markus (Microelectronics Center of North Carolina);

Frontiers of Materials Research at NSF, by Dave Nelson (National Science Foundation), to be confirmed;

Block Copolymer Gels: A New Family of Smart Materials, by Rich Spontac (North Carolina State University); and

The Importance of Point Defects in Present and Future Materials, by Max Swanson (University of North Carolina).

A first prize of \$200 and a second prize of \$100 will be awarded for the best student poster presentations. The deadline for submitting an abstract for the poster session is **November 11, 1994**. Abstracts, or requests for information on registration and fees, should be directed to one of the following:

**Dr. Nalin Parikh**, Department of Physics and Astronomy, C.B. 3255, University of North Carolina, Chapel Hill, NC 27599-3255, Tel. (919) 962-7160; fax (919) 962-0480, e-mail: [parikh@physics.unc.edu](mailto:parikh@physics.unc.edu)

**Dr. Orlando Auciello**, Microelectronics Center of North Carolina, P.O. Box 12889, Research Triangle Park, NC 27709, Tel. (919) 248-1872; fax (919) 248-1455, e-mail: [auciello@mcnc.org](mailto:auciello@mcnc.org)

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### DEADLINE FOR HOTEL RESERVATIONS: NOVEMBER 1, 1994

Blocks of rooms have been reserved for MRS meeting attendees at the Boston Marriott, Westin, and Sheraton Boston Hotels. Call or fax your preferred hotel and refer to the Materials Research Society's meeting to receive the special rates.



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