

Southern California Section to Hold Inaugural Meeting

The first meeting of the newly formed Southern California Section of the Materials Research Society will be held March 4 at the Holiday Inn at Los Angeles International Airport, reports Section Organizer Andrew Morrison. The meeting will begin at 6:00 p.m. with a social hour and dinner. A business meeting and guest lecture by Terry Cole, chief technologist, Jet Propulsion Laboratory, will follow at 8:00 p.m.

MRS President Gordon Pike will be on hand to present the Section with its charter and discuss the relationship between local section goals and MRS's national and international activities. The results of the recent mail ballot election of section officers will be announced, and plans for upcoming events will be discussed.

The Southern California Section, which serves the materials science community from Santa Barbara to San Diego, was formed in November 1985. The goal of the section is to serve as a vehicle to strengthen the interaction between the local technical community through cooperation with other local technical societies having mutual interest in materials.

For further information on the March meeting and membership in the Southern California Section, contact Andrew Morrison, Jet Propulsion Laboratory, telephone (818) 354-7200.

North Carolina Section Holds Materials Characterization Workshop

A full-day workshop on Materials Characterization was sponsored by the MRS North Carolina Section on September 17, 1985 in conjunction with the Section's Annual Business Meeting. Meeting Chair Robert R. Reeber reported that 62 people attended the workshop which was held at the Microelectronics Center of North Carolina. Sixteen papers focused on ion beam related techniques; x-ray, electron, photon, and phonon techniques; and chemical techniques.

Three prizes were given to top student papers, and five students were given honorable mention for their presentations. The winners were:

First Prize: M. El-Ghor, "Defect Delineation in Oxygen-denuded Czochralski Silicon: A Comparison between Secco and Wright Etchants."

Second Prize: E. A. Smelik, "A Preliminary Investigation of Tridymite Transformations by Continuous X-Ray Diffraction."

Third Prize: D. J. Vitkavage, "Polymer Layer Formation during CHF_3 Ion Beam Etching of Silicon."

Honorable Mention: W. R. Allen, "Channeling Studies of Strain in Superlattices."

M. S. Ameen, "Surface Segregation During Reactive Etching of GaAs and InP."

S. R. Bryan, "Digital Secondary Ion Image Depth

Profiling for Three-Dimensional Elemental Analysis."

J. A. Edmond, "Ion Implantation and Thermal Annealing of P and Al Dopants in High Purity Silicon Carbide Single Crystal Thin Films."

E. Myers, "Reverse Crystalline to Amorphous Phase Transformation and Interface Smoothing of Ge Ion Implanted Se during Very Low Temperature Annealing."

"The facilities provided for the meeting at the Microelectronics Center of North Carolina were ideal for this forum," according to Reeber, "and the general consensus of the group was to work toward encouraging more industrial and student involvement in upcoming meetings."

Early 1986 Meeting Planned

Reeber also announced that the next meeting of the North Carolina Section is scheduled for February 18 at the Caroline Union, University of North Carolina, Chapel Hill and will consist of two tutorial sessions. Richard Fair, Microelectronics Center of North Carolina, will discuss doping semiconductors with ion implantation techniques; and Salah Bedair will explore properties of strained superlattices, MOCVD, and other growth techniques. Approximately 14 contributed papers will also be presented.

For information on this meeting or upcoming events, contact Robert Reeber at (919) 549-0649 or Hans Conrad at (919) 737-7443.

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search. The objective of the MRS Chapter is to serve as the "umbrella" under which the students involved in various disciplines may foster discussion of materials issues.

The Chapter, which includes representation from the physics, chemistry and materials engineering departments, spans glass, ceramics, polymers, metallurgy and electronic materials.

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RPI Student Chapter President Steve Bilodeau (right) receives MRS Student Chapter charter from 1985 MRS President Elton Kaufmann on campus in October 1985.

Call for Papers Electron Microscopy Society Annual Meeting

August 11-15, 1986

Abstract deadline:

March 15, 1986

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