15 Graduate Students Receive MRS Awards

MRS

Fifteen graduate students representing various materials science disciplines were selected as recipients of the MRS Graduate Student Awards to be conferred in conjunction with the 1985 MRS Fall Meeting.

Award winners and their papers are:

John Charles Barbour, Dept. of Materials Science and Engineering, Cornell University, "High Spatial Analysis of Lateral Silicide Formation" (Symposium E) and "Diffusion in Amorphous Ni-Zr Alloys" (Symposium I)

Peter H. Bischoff, Dept. of Civil Engineering, Imperial College of Science and Technology (UK), "Compressive Strain Rate Effects of Concrete" (Symposium S)

Suzana Clement, Dept. of Physics, Universidad Complutense (Spain), "Radiation Induced Impurity Precipitation in MgO" (Sumposium L)

Aliki Collins, Dept. of Materials Science, Massachusetts Institute of Technology, "Magnetic After Effects and Magnetostriction of Fe-base Glasses" (Symposium])

B. C. DeCooman, Dept. of Materials Science and Engineering, Cornell University, "The

Defect Structure of Ion-Implanted Al_xGa_{1-x} As/GaAs Superlattices" (Symposium H) and "TEM Study of the Core-Structure of Dislocations in GaAs" (Symposium Q)

Vladimir Dobrosavljevic, Dept. of Physics, Brown University, "Conformational Induced Disorder and Conjugated Polymer Spectroscopy" (Symposium F)

R. W. Fathauer, Electrical Engineering, Cornell University, "Heteroepitaxy of Si and Ge on CaF₂/Si(111)" (Symposium E)

John J. Joyce, Dept. of Chemical Engineering and Materials Science, University of Minnesota, "Characterization of an Extended Reactive Noble-Metal/III-V Semiconductor Interface: CuGaAs(110)" (Symposium E)

Amitabha Kumar, Solid State Science, Pennsylvania State University, "Diffusion and Pore Structure of Portland Cement Pastes Blended with Low Calcium Fly Ash" (Symposium T)

Kenneth T.-Y. Kung, Dept. of Electrical Engineering and Computer Science, Massachusetts Institute of Technology, "Implant-Dose Dependence of Seed Selection through Ion Channeling to Enhance the (110) Texture of Low Pressure Chemical-Vapor Deposited Polycrystalline Si Films on SiO₂ (Symposium C)

John D. Lennhoff, Dept. of Chemical Engineering, Worchester Polytechnic Institute, "Direct Synthesis and Characterization of High Surface Area Solid State Inorganics for Catalysts and Ceramics" (Symposium M)

Carolyn A. MacDonald, Applied Physics, Harvard University, "The Kinetics of Rapid Crystallization in Pure Metals" (Symposium A)

Karren L. More, Dept. of Materials Engineering, North Carolina State University, "Laser and Ion Beam Surface Modification of α -SiC" (Symposium A)

Michael A. Parker, Materials Science Dept., Stanford University, "Direct Observation of the Amorphous-to-Crystalline Phase Transformation in Silicon by In-Situ High-Resolution Transmission Electron Microscopy" (Symposium Q)

Chris G. Van de Walle, Electrical Engineering, Stanford University, "Theoretical Study of Semiconductor Interfaces" (Symposium R)

"It is an honor for the Society to recognize these outstanding young scientists," remarked Woody White, chairperson of the Awards Committee. "An MRS Graduate Student Award is one of the most prestigious awards that a graduate student can achieve," White said. "The Awards Committee is pleased to be able to recognize almost twice as many students as in 1984 because of the enormous number of highquality applications submitted. These young scientists, representing fields of study such as physics, computer science, solid state science, and electrical, chemical and civil engineering, are the future of materials research and this Society. And by the caliber of these papers, it is evident that it will be a bright future."

The Graduate Student Award consists of a plaque and cash honorarium. The awards will be conferred Monday evening, December 2, at 6:30 p.m. in the Grand Ballroom of the Boston Marriott/Copley Place.

The MRS Graduate Student Awards Program was established in 1980 to recognize the achievements and promise of those studying one or more disciplines involved in materials research.

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