



MATERIALS RESEARCH SOCIETY
102C Materials Research Laboratory
University Park, PA 16802

MRS 1982 STUDENT AWARD WINNERS

The Materials Research Society annually recognizes superior promise and achievement among students of materials science through awards consisting of travel assistance to the Annual Meeting and the opportunity to present a paper before one of the

symposia. In 1982 six outstanding students were honored. They are: **BRUCE K. BOREY, JR.**, a chemistry student at Michigan State University. His paper, presented before the symposium on Intercalated Graphite, was entitled, "Temperature Gradient

Enhancement of Solid State Battery Performance."

DAVID P. DIVINCENZO, student of electrical engineering and physics at the University of Pennsylvania. His

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STUDENT WINNERS (left to right) Jia-Ming Liu, Chin-Miin Shyn, Bruce K. Borey Jr., Ahmet Erbil and Jeff F. Young

STUDENT AWARD

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paper before the Intercalated Graphite symposium was entitled, "Density Functional Theory of Interplane Cohesion in Graphite Intercalation Compounds."

AHMET ERBIL, physics student at Massachusetts Institute of Technology, also presented his paper before the symposium on Intercalated Graphite. It was entitled, "Commensurate-Incommensurate and Melting

Transitions in Bromine-Intercalated Single Crystal Kish Graphite."

JIA-MING LIU, who is studying applied physics at Harvard University, delivered a paper entitled, "Picosecond Time Resolved Detection of Plasma Formation and Phase Transition in Silicon" before the symposium on Laser-Solid Interactions and Transient Thermal Processing of Materials.

CHIN-MIIN SHYU, a student of solid state electronics at the University of California - Los Angeles, contributed

two papers to the Defects in Semiconductors symposium. They were, "Electrical State of Grain Boundaries in Bicrystal Silicon" and "Enhanced Diffusion of Phosphorus at Grain Boundaries in Silicon."

JEFF F. YOUNG, physics student at the University of Toronto, contributed a paper on "Laser Induced Periodic Surface Structure" to the symposium on Laser-Solid Interactions and Transient Thermal Processing of Materials.

CONFERENCE IN EUROPE

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Switzerland; G. Bentini, Lamel
Bologna, Italy; S.U. Campisano,

University Catania, Italy; E. Rimini,
University Catania, Italy; and the co-
chairmen of the meeting.

The meeting will be held at Hotel

Holiday Inn in Strasbourg. For more
information, complete the following
Notice of Interest and return it to
Siffert.

NOTICE OF INTEREST

MRS-EUROPE CONFERENCE IN STRASBOURG, MAY 25-27, 1983

_____ *I plan to attend the conference, and would like to receive more information.*

_____ *I don't plan to attend, but would like to receive more information. Please notify me of future meetings.*

_____ *I plan to submit a paper, with the following tentative title or subject area:* _____

_____ *I am interested in a tour*

_____ *I am interested in a program for spouses*

Suggestions: _____

NAME _____

INSTITUTION _____

DEPARTMENT _____

ADDRESS _____