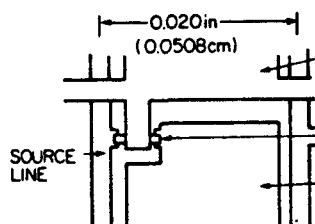


## MRS EUROPE

*Members in Europe plan a meeting in May*

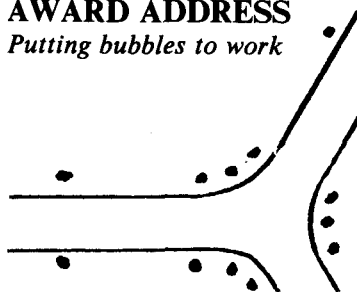
### REVIEW

*Whither Si TFTs?*



### AWARD ADDRESS

*Putting bubbles to work*



### PROFILE

*Of the new president*

### CALENDAR

*Of MRS events*

### MORE NEWS

*Features and information*

Through the good offices of the Centre de Recherches Nucleaires in Strasbourg, the European membership of the Society is in the process of organizing itself into a "section" - the formal relationship of this new creature to the Society itself is unprecedented, and as yet undefined - and plans a meeting entitled "Laser-Solid Interactions and Transient Thermal Processing of Materials," to be held in Strasbourg May 25-27. First Vice President C.W. "Woody" White has served as liaison with the European materials scientists who are organizing the meeting, and will serve as the MRS's representative at the meeting, whose sponsors are interested in attracting contributors and participants from outside as well as within Europe.

A co-chairman of the European section, P. Siffert of the Centre de Recherches Nucleaires, said it was essentially "the success of the meetings organized in the U.S.A. by the Materials Research Society" that led he and his colleagues "to organize a meeting devoted to currently interesting problems on materials science and technology in conjunction with" the MRS. He indicated the meeting is only the first in what his group conceives of as a regular series of meetings in Europe, organized by a body that would have a formalized existence within the MRS.

The other co-chairmen of the meeting are P. Pinard of INSA at Lyon and Nguyen Van Tran of CNET at Grenoble.

"The intent of the symposium is to provide an interdisciplinary forum for scientists engaged in the use of lasers, electron beams, microwaves, incoherent light and other transient sources for the investigation of the fundamental aspects - as well as the possible applications - of transient thermal processing of materials," Siffert said.

#### Contributions Solicited

Contributions are solicited in the following areas: fundamentals of laser-solid interactions; kinetics of recrystallization; impurity behavior under rapid recrystallization; defects; crystallization of thin-films on amorphous substrates; silicides and surface alloys; and applications to VLSI, photovoltaics and metallurgy. Abstracts of not more than one page are due by April 1, and should be sent to Siffert at the following address:

Centre de Recherches Nucleaires  
Laboratoire PHASE  
67037 Strasbourg Cedex  
France

The telephone number is (88) 28 65 43. The telex number is 890032 CNRS CRO.

An international steering committee has helped organize the meeting, and it comprises: A. Nulanstad, University Aarhus, Denmark; O. Malmros, Topsil, Frederikssund, Denmark; F. Saris, FOM, Amsterdam; E.F. Krimmel, Siemens, Munich, Germany; D. von der Linde, University Essen, Germany; M. von Allmen, University Bern,

*[Continued on Page 12]*

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## STUDENT AWARD

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*[Continued from Page 20]*

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.

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## CONFERENCE IN EUROPE

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*[Continued from Page 11]*

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.

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### 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 \_\_\_\_\_