



**TENNESSEE VALLEY CHAPTER
AMERICAN
VACUUM SOCIETY**

P. O. Box 5734

Oak Ridge, Tennessee 37831-5734

Vol. 17, No. 4

May 1997

17th Annual TVC-AVS Symposium and Equipment Exhibit

Symposium Topic:

OPTOELECTRONIC MATERIALS

Sponsored Jointly by the
Tennessee Valley Chapter of the American Vacuum Society
and the
East Tennessee Section of the Materials Research Society

May 22, 1997

Holiday Inn Select at Cedar Bluff
304 Cedar Bluff Road
Knoxville, TN 37923
(Interstate 40 at the Cedar Bluff Road Exit)

Organizers:

David B. Beach
Oak Ridge National Laboratory
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Z. Ben Xue
The University of Tennessee, Knoxville
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PROGRAM

8:00-8:25 – Registration

8:25-8:30 – Welcome and Opening Remarks, Dave Beach, AVS, and Ben Xue, MRS

Session I: Organic LEDs
Chair: Dave Beach

8:30-9:15

"Investigation of New Organic Materials for Optoelectronic Applications."

Dr. Howard Lee

Lawrence Livermore National Laboratory

9:15 - 10:00

"Organic LEDs"

Dr. Paul Burrows

Princeton University, Center for Photonics and Optoelectronic Materials (POEM)

10:00-10:20 – Break

Session II: Phosphors

10:20-11:05

"Phosphors for Electroluminescent Displays"

Dr. Philip Rack

University of Florida and Phosphor Technology Center of Excellence

11:05-11:50

"Remote Sensing Using Optical Probes"

Dr. Stephen Allison

Engineering Technology Division, ORNL

11:50-1:30 – Lunch

Session III Novel Materials

Chair: Ben Xue

1:30-2:15

"New Routes to Optoelectronic Materials"

Dr. Chao Hung Ma

Physics Division, ORNL

2:15-3:00

"Epitaxial Thin-Film Perovskites for Optoelectronics"

Dr. Rodney McKee

Metal and Ceramics Division, ORNL

3:00-3:20 – Break

Session IV: Flat panel display materials

3:20-4:05

"Thin-Film Transistors for Flat Panel Displays"

Greg Parsons

North Carolina State University

4:05-4:50

"Organic-Inorganic Hybrid Materials for LCDs"

Piotr Kaszynski

Vanderbilt University

5:00 – Reception

Registration Fees are as follows:

- AVS or MRS member \$35
- Non Member \$45
- Student or Retiree \$10

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