

THE INTERDISCIPLINARY WORKSHOP

ON

**STRUCTURE AND PROPERTIES OF
AMORPHOUS SOLIDS**

sponsored by

Division of Polymer Chemistry Inc.

and

**Division of Polymeric Materials:
Science and Engineering**

American Chemical Society

co-sponsored by

Glass Division American Ceramics Society, Inc.

and

The Metallurgical Society

June 3-6, 1984

Williamsburg, Virginia

WEDNESDAY MORNING, JUNE 5, 1984

SESSION V - AMORPHOUS SOLIDS BY ION-BEAM
MODIFICATION

CHAIRMAN: DR. K.N. TU, IBM, T.J. WATSON LAB.

8:30 AM J.W. MAYER, CORNELL UNIVERSITY,
- DEPT. OF MATERIALS SCIENCE AND
ENGINEERING
"AMORPHOUS ALLOYS BY ION-BEAM MIXING:
STRUCTURE AND CHEMISTRY"

9:20 AM DISCUSSION

9:30 AM S.S. LAU, UNIV. OF CALIFORNIA - SAN DIEGO,
- DEPT. OF ELECTRICAL ENGINEERING AND
COMPUTER SCIENCE
"RECRYSTALLIZATION PROPERTIES OF ION-BEAM-
AMORPHIZED SI AND SILICIDES"

10:20 AM DISCUSSION

10:30 AM COFFEE BREAK

10:45 AM T. VENKATESAN, BELL COMMUNICATIONS RESEARCH
"ION BEAM MODIFICATION AND STUDY OF
POLYMERS"

LUNCH

SUNDAY, JUNE 3, 1984

3:00 PM
6:00 - 8:00 PM

REGISTRATION
WELCOMING RECEPTION, YORKTOWN ROOM

MONDAY MORNING, JUNE 4, 1984

8:15 AM WELCOMING REMARKS
SESSION I - STRUCTURAL MODELS
CHAIRMAN: PROF. E.L. THOMAS
- UNIV. OF MASSACHUSETTS

8:30 AM D.R. NELSON, HARVARD UNIVERSITY,
- DIVISION OF APPLIED SCIENCES
"ORDER, FRUSTRATION AND DEFECTS IN GLASSES"

9:20 AM DISCUSSION

9:30 AM V. VITEK, UNIVERSITY OF PENNSYLVANIA,
- DEPARTMENT OF MATERIALS SCIENCE AND
ENGINEERING
"LOCAL STRUCTURE OF METALLIC GLASSES:
COMPUTER MODELS"

10:20 AM DISCUSSION

10:30 AM COFFEE BREAK

10:45 AM J.H. WENDORFF, DEUTSCHES KUNSTSTOFF-
INSTITUT, DARMSTADT, WEST GERMANY
"STRUCTURAL MODELS OF AMORPHOUS POLYMERS"

11:35 AM DISCUSSION

12:00 NOON LUNCH BREAK

MONDAY AFTERNOON FREE FOR SIGHTSEEING IN
HISTORIC WILLIAMSBURG

WEDNESDAY MORNING, JUNE 5, 1984

SESSION V - AMORPHOUS SOLIDS BY ION-BEAM
MODIFICATION

CHAIRMAN: DR. K.N. TU, IBM, T.J. WATSON LAB.

8:30 AM J.W. MAYER, CORNELL UNIVERSITY,
- DEPT. OF MATERIALS SCIENCE AND
ENGINEERING
"AMORPHOUS ALLOYS BY ION-BEAM MIXING:
STRUCTURE AND CHEMISTRY"

9:20 AM DISCUSSION

9:30 AM S.S. LAU, UNIV. OF CALIFORNIA - SAN DIEGO,
- DEPT. OF ELECTRICAL ENGINEERING AND
COMPUTER SCIENCE
"RECRYSTALLIZATION PROPERTIES OF ION-BEAM-
AMORPHIZED SI AND SILICIDES"

10:20 AM DISCUSSION

10:30 AM COFFEE BREAK

10:45 AM T. VENKATESAN, BELL COMMUNICATIONS RESEARCH
"ION BEAM MODIFICATION AND STUDY OF
POLYMERS"

LUNCH

SUNDAY, JUNE 3, 1984

3:00 PM
6:00 - 8:00 PM

REGISTRATION
WELCOMING RECEPTION, YORKTOWN ROOM

MONDAY MORNING, JUNE 4, 1984

8:15 AM WELCOMING REMARKS
SESSION I - STRUCTURAL MODELS
CHAIRMAN: PROF. E.L. THOMAS
- UNIV. OF MASSACHUSETTS

8:30 AM D.R. NELSON, HARVARD UNIVERSITY,
- DIVISION OF APPLIED SCIENCES
"ORDER, FRUSTRATION AND DEFECTS IN GLASSES"

9:20 AM DISCUSSION

9:30 AM V. VITEK, UNIVERSITY OF PENNSYLVANIA,
- DEPARTMENT OF MATERIALS SCIENCE AND
ENGINEERING
"LOCAL STRUCTURE OF METALLIC GLASSES:
COMPUTER MODELS"

10:20 AM DISCUSSION

10:30 AM COFFEE BREAK

10:45 AM J.H. WENDORFF, DEUTSCHES KUNSTSTOFF-
INSTITUT, DARMSTADT, WEST GERMANY
"STRUCTURAL MODELS OF AMORPHOUS POLYMERS"

11:35 AM DISCUSSION

12:00 NOON LUNCH BREAK

MONDAY AFTERNOON FREE FOR SIGHTSEEING IN
HISTORIC WILLIAMSBURG