

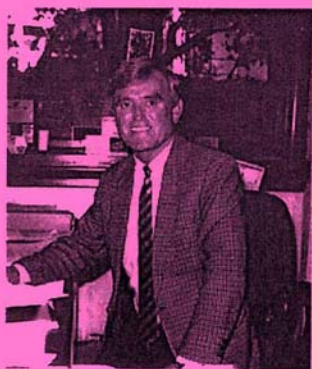
Professor Thomas has made outstanding scientific contributions to physical metallurgy and inorganic materials in general and electron microscopy in particular. His seminal studies have led to original contributions in practically every type of material. A hallmark of his scientific research is to link microstructural studies at the atomistic level to properties (both structural and functional) so that a rational design of advanced materials is enabled. His reach has been deep and wide, covering almost the entire gamut of modern materials. In every case, new insights have been provided. His work often led the field and frequently defined the contours of microstructural engineering possible with a given class of materials. He holds 10 patents. Professor Thomas graduated approximately 100 Ph. Ds., a feat matched by only a few.

Prof. Thomas has been associated with *Acta Metallurgica Inc.* in various capacities including Chairmanship of the Board of Governors. In his role as Chief Editor of *Acta Materialia* and *Scripta*

Materialia he has revitalized these journals and redefined their missions to help them maintain their outstanding reputation among journals in the field.

At Berkeley, Prof. Thomas founded the National Center for Electron Microscopy in 1983, a unique facility open to researchers throughout the world. He was President, International Federation of Electron Microscopy Societies 1986-1990, after 12 years as Secretary General.

Thomas is a member of both NAS and NAE and has been recognized by many awards, honorary memberships, and honorary doctorates. In 1997, he became an Honorary Member of the Korean Institute of Metals and Materials, the second U.S. citizen only to be recognized (M. Cohen was the first U.S. recipient). He is the 2001 recipient of the ASM Gold Medal.



PROFESSOR GARETH THOMAS

MICROSTRUCTURAL
DESIGN OF ADVANCED
MATERIALS

**A SYMPOSIUM
IN HONOR OF
THE 70TH BIRTHDAY
2002 FALL
TMS-ASM MEETING**

**Columbus, Ohio
October 7~9, 2002**

THEME

Microstructural design for a set of targeted mechanical/functional properties has become a recognized field in Materials Science and Engineering especially with the developments for atomistic characterization methods, and in theoretical analysis and modeling. This symposium will bring together a group of experts and leaders in this field to honor Gareth Thomas who has pioneered this approach to materials science and engineering area over a wide range of materials problems and applications.

SPONSORS

Joint TMS-AIME Mechanical Behavior of Materials and Physical Metallurgy Committees

GENERAL TOPICS AND SESSION CHAIRS

Characterisation: The Key to Materials
R. Gronsky (UCB)

Current Status of Atomistic Characterization Imaging Diffraction
D. Seidman (NWU)

Spectroscopy
D.B. Williams (Lehigh U.)

Mechanical Properties
R. Ritchie (UCB)

Strength & Toughness
S. Suresh (MIT)

Functional Materials
S. Jin (Lucent Tech.)

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CALL FOR PAPERS

Abstracts should be submitted through:

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Conference Management System (CMS) Fall 2002 Meeting

Abstracts due 03/31/2002

A special celebration volume is planned for publication through a major publisher.