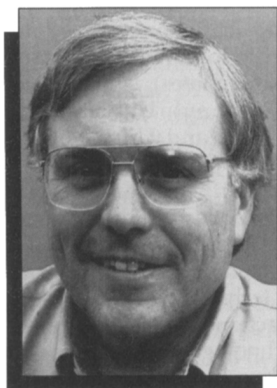


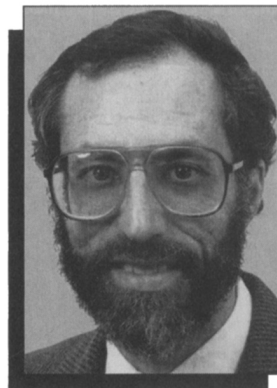
Briant, Chason, Katz, and Shiohara to Chair 1998 MRS Fall Meeting



Clyde Briant



Eric Chason



Howard Katz



Yuh Shiohara

The Fall 1998 Materials Research Society Meeting in Boston will be chaired by Clyde Briant (Brown University), Eric Chason (Sandia National Laboratories), Howard Katz (Bell Laboratories, Lucent Technologies), and Yuh Shiohara (ISTEC, Japan). The 43 proposed symposia are the most ever planned for an MRS meeting. The scope of the meeting is designed to capture new and exciting developments in materials science as well as scientific progress in more established fields.

The technical program will highlight the most recent advances in semiconductors and other electronic thin-film materials; nonequilibrium microstructures; materials modeling; synthesis and processing of active organic compounds and polymers; inorganic, oxide, and solid-state materials and ceramics; structural materials; and biological applications.

New symposia in thin-film growth will reflect the growing interest in understanding morphological instabilities and new approaches to integrate dissimilar materials in microelectronics. A symposium focusing on advances in direct fabrication will be presented at the Fall meeting for the first time. Processing issues in compound semiconductors will be covered as well as the development of new optical materials from the infra-red to the wide bandgap nitrides. Computer modeling and calculations in materials science will be the emphasis of several symposia, and provide a forum for interaction between theorists and experimentalists. This meeting will feature the inception of symposia in several other breakthrough areas of materials science, including combinatorial materials chemistry, nonlithographic patterning, and bulk metallic glasses. One of the new symposia will highlight the achievements of the space program and consider the materials problems faced by the space program today while another will focus on the prob-

lems of aging aircraft. The biological applications program will include sessions on materials such as active pharmaceutical agents as well as systems for drug delivery.

Ongoing series of symposia will continue in areas such as GaN wide bandgap semiconductors, ferroelectrics, and polycrystalline thin films.

Clyde Briant is a professor of engineering at Brown University. He received his Doctor of Engineering Science degree from Columbia University in 1974. Briant has performed research in a number of areas including fracture, the processing of refractory metals, grain boundary structure and chemistry, environmentally induced failures of materials, and the microstructure of high-temperature superconductors. He has published over 150 articles and has four U.S. patents. He has received numerous awards and is a Fellow of ASM International. In 1984 he was selected by *Science Digest* as one of the 100 Outstanding Young Scientists in the United States. Briant has co-organized several MRS symposia.

Eric Chason is a senior member of the technical staff at Sandia National Laboratories where he has worked for 10 years. He received his PhD degree from Harvard University in 1985, followed by a year of postdoctoral research at Gakushuin University in Tokyo. His primary research interests have focused on the evolution of surfaces and thin films during processing. This work includes studies of ion-assisted growth mechanisms using electron diffraction and Monte Carlo simulations. He has also worked on the development of *in situ* thin film diagnostics such as energy dispersive x-ray reflectivity and multibeam optical stress monitoring. He is the author or co-author of 60 technical papers. In 1994 he received the DOE-BES Award for Sustained Outstanding Research in Metallurgy and Ceramics. Chason organized three MRS

symposia and was president of the New Mexico-MRS section from 1994 to 1995.

Howard Katz is a member of technical staff at Bell Laboratories, Lucent Technologies. His research program is devoted to organic materials for electronic and optical applications, including material design, chemical synthesis, and device fabrication. Recently, he has elucidated new chemical approaches to the enhancement of second-order nonlinear optical activity in electro-optic devices, and charge mobility in organic thin-film transistors. Katz received a PhD degree in organic chemistry from the University of California—Los Angeles in 1982. He is a member of the editorial advisory board of *Chemistry of Materials*, and has been a mentor to several summer students who are members of underrepresented minorities. Katz has organized and obtained funding for three major symposia, including a symposium for the 1992 MRS Fall Meeting.

Yuh Shiohara has been a director of division IV (materials processing division, solidification and crystal growth) in the Superconductivity Research Laboratory (SRL) in the International Superconductivity Technology Center (ISTEC) in Japan since 1988. He received his doctorate degree in metallurgy from Waseda University in Tokyo in 1979. His current special interests include production of large high-quality single crystals of high T_c superconductive oxides, synthesis of thick coated conductor by liquid phase epitaxy and understanding of crystal growth mechanisms of these materials. Shiohara is an adjunct-lecturer at the graduate schools of engineering in the University of Tokyo and the Nagoya University where he teaches fundamentals of crystal growth and processing of superconductive oxides. He has co-organized several MRS symposia and is a member of the *MRS Bulletin* editorial board. MRS