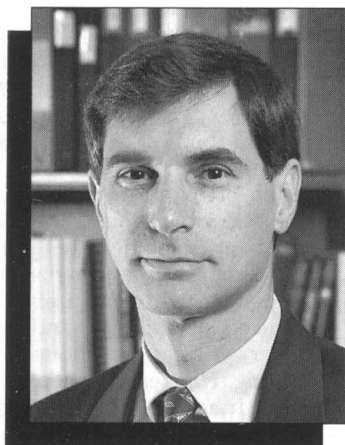
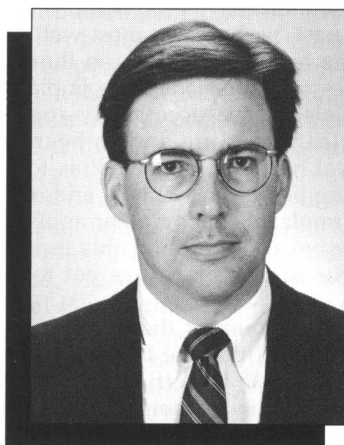


Besmann, Sands, and Was to Chair 1994 MRS Fall Meeting

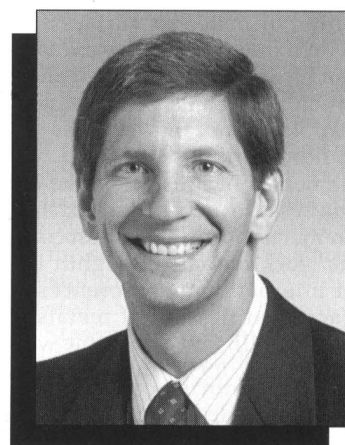
November 28–December 2, 1994, Boston, Massachusetts



Theodore M. Besmann



Timothy D. Sands



Gary S. Was

Theodore M. Besmann, Timothy D. Sands, and Gary S. Was will serve as meeting chairs for the 1994 MRS Fall Meeting in Boston. The meeting is characterized by strong cross-disciplinary ties among the 35 symposia being planned. The symposia range across the materials spectrum to cover topics that capture traditionally strong interest, and also several new thrusts.

Representing areas traditional to the Boston meeting will be beam-solid interactions, high T_c superconductors, disordered materials, epitaxy, interfaces, thin films and layered structures, semiconductors, intermetallic alloys, ceramics, optical materials, and ferroelectric materials. Symposia in areas of growing interest to the materials community include polymers, catalysis, fullerenes, biological materials, porous materials, nanocrystalline materials, and materials for use in smart systems. A special group of symposia dealing with the use of large facilities for the characterization and study of materials will focus on synchrotron radiation, neutron scattering, and high magnetic fields.

Theodore M. Besmann heads the Ceramic Surface Systems Group in the High Temperature Materials Laboratory at Oak Ridge National Laboratory, where he has worked since 1975. His initial research concentrated on phase relations and thermodynamics of actinide oxides and carbides, modifying and further developing the SOLGASMIX thermodynamic equilibrium software now extensively used in chemical vapor deposition (CVD) and other areas. His most recent research involves kinetic and surface

processes in CVD, multiphase coatings by CVD, chemical vapor infiltration (CVI) preparation of ceramic composites, and modeling and diagnostics related to CVD. A chemical engineering graduate of New York University, Besmann received his MS degree in nuclear engineering from Iowa State University. He worked on his PhD degree at Pennsylvania State University's Materials Research Laboratory, establishing the lab's first CVD system. Besmann is the author of approximately 60 papers, including two book chapters, and review articles on CVD and CVI. He has co-chaired previous MRS symposia on CVD topics. A Fellow of the American Ceramic Society, Besmann also received the American Nuclear Society's Young Member Engineering Achievement Award and the Department of Energy's award for Significant Contributions in Materials Chemistry.

Timothy B. Sands recently accepted a position as a professor in the Materials Science and Mineral Engineering Department at the University of California, Berkeley. Previously he was director of the Nonvolatile Memory Research Group at Bellcore. He attended the University of California, Berkeley, earning a BS degree in engineering physics and MS and PhD degrees in materials science. His thesis dealt with the formation and degradation of copper sulfide/cadmium sulfide heterojunction solar cells. He served as an Industry Fellow at the Center for Advanced Materials, Lawrence Berkeley Laboratory, where he began research on metal-semiconductor contacts. Sands holds six patents and has authored or co-authored more than 100 technical

publications on semiconductor processing, metal-semiconductor reactions and contacts, metal-compound semiconductor heteroepitaxy, magnetic thin films, and nonvolatile memory materials and devices. He received the 1988 Robert Lansing Hardy Gold Medal and serves as an officer of TMS's Electronic Materials Committee. Sands has co-chaired several MRS symposia.

Gary S. Was is a professor of nuclear engineering and of materials science and engineering at the University of Michigan's College of Engineering, and also director of three laboratories there: the Michigan Ion Beam Laboratory for Surface Modification and Analysis, the High Temperature Corrosion Laboratory, and the Materials Preparation Laboratory. Was earned his BS degree from Michigan in 1975, then attended the Massachusetts Institute of Technology, where he received SM and ScD degrees. In 1980, he joined the University of Michigan faculty. Was has conducted research in ion beam surface modification of materials, with an emphasis on improving mechanical and corrosion behavior of engineering alloys. He has also worked extensively on environmental degradation of materials in nuclear power plants. Was created three graduate-level courses dealing with irradiation effects on materials and nuclear fuels, and established a summer course on ion beam modification of materials. He has published more than 70 technical articles, presented many conference papers and invited seminars, and helped organize 10 technical symposia, including two for MRS.

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