

Bunning, Hwang, Kaiser, and Lewis to Chair 2007 MRS Spring Meeting



Timothy J. Bunning



Harold Y. Hwang



Debra L. Kaiser



Jennifer A. Lewis

Meeting Chairs for the 2007 Materials Research Society (MRS) Spring Meeting are Timothy J. Bunning (Air Force Research Laboratory), Harold Y. Hwang (University of Tokyo), Debra L. Kaiser (National Institute of Standards and Technology), and Jennifer A. Lewis (University of Illinois at Urbana-Champaign). The meeting will be held in San Francisco April 9–13, 2007.

Timothy J. Bunning is a principal materials research engineer and the research leader of the Hardened Materials Branch of the Materials and Manufacturing Directorate at the U.S. Air Force Research Laboratory (AFRL), Wright-Patterson Air Force Base. After receiving his PhD degree in chemical engineering in 1992 from the University of Connecticut, he spent a short postdoctoral tenure at Cornell University before starting his position at AFRL. His current research interest centers on advanced organic-based photonic materials and components, specifically, passive and dynamic diffractive structures formed using complex holographic photopolymerization techniques, development of polymer photonic structures using plasma-enhanced chemical vapor deposition, structure development of polymer/liquid crystal composites, and liquid-crystalline materials and technologies. He is currently the project leader for a diverse internal and external research and development effort that is developing new materials and approaches for integration in optical sensing, laser beam control, and filtering applications. He is the author or co-author of about 120 refereed journal articles and four book chapters. He has edited four books, holds nine patents, and has given more than 350 presentations. He was awarded the 2002 John H. Dillon Medal by the Division of Polymer Physics of the American Physical Society.

Harold Y. Hwang is an associate profes-

sor in the Department of Advanced Materials Science and the Department of Applied Physics at the University of Tokyo. Prior to joining the faculty in 2003, he was a member of technical staff in the Materials Physics Research Department at Lucent Technologies/Bell Laboratories in Murray Hill, New Jersey. Hwang has been active in the study of charge transport, spin and lattice dynamics, and ordering transitions in transition-metal oxides, as well as the development of chalcogenide glass waveguides and claddings for photonics applications. His current research interest is in atomic-scale synthesis of thin-film complex oxide heterostructures, focusing on the control of the electronic structure at interfaces and in confined geometries. Hwang received a Sakigake Fellowship from the Japan Science and Technology Corp. in 2003, a Mitsubishi Foundation Award in 2004, and the 2005 MRS Outstanding Young Investigator Award. He received a BS degree in physics and BS and MS degrees in electrical engineering from the Massachusetts Institute of Technology in 1993, and a PhD degree in physics from Princeton University in 1997.

Debra L. Kaiser is chief of the Ceramics Division at the National Institute of Standards and Technology (NIST), where she develops and leads research efforts in nanomechanics, x-ray metrology and standards, synchrotron materials research, functional materials, and evaluated data. Kaiser has co-authored more than 60 refereed journal publications on combinatorial methods for inorganic thin films, high- κ gate dielectric films, ferroelectric films, and high-temperature superconducting single crystals and films. She served as president of the American Association for Crystal Growth (2002–2005) and has served on the Association's Executive Committee since 1996. Her awards include the IBM Technical Achievement Award (1988), the

Department of Commerce Bronze Medal (1990), the American Association for Crystal Growth Young Author Award (1993), and the NIST Sigma Xi Young Investigator Award (1995). She is a member of Phi Beta Kappa, Tau Beta Pi, and Sigma Xi. She holds a BS degree (Lehigh University, 1979), an MS degree (Colorado School of Mines, 1980), and a ScD degree (Massachusetts Institute of Technology, 1985) in materials science and engineering. After completing her graduate studies, she was a postdoctoral fellow at IBM Research. Kaiser has been a member of the Ceramics Division at NIST since 1988, and began her tenure as chief of the division in 2003.

Jennifer A. Lewis is the Interim Director of the Frederick Seitz Materials Research Laboratory and the Hans Thurnauer Professor of Materials Science and Engineering at the University of Illinois at Urbana-Champaign (UIUC). She earned her ScD degree in ceramic science from the Massachusetts Institute of Technology in 1991. She received the National Science Foundation Presidential Faculty Fellow Award (1994), the Brunauer Award from the American Ceramic Society (2003), and was recently named a fellow of the American Ceramic Society (2005). Lewis is currently an associate editor of the *Journal of the American Ceramic Society* and serves on the editorial advisory boards of *Langmuir* and *Soft Matter*. Her work on directed materials assembly has been featured in *Materials Today*, *The Economist*, *The Technology Review*, *Lab on a Chip*, *The Scientist*, *C&E News*, and *Photonics Spectra*. Her research was also recently cited by *Chemical & Engineering News* as one of the top discoveries in materials chemistry in 2002 and highlighted in *Science & Vie* as a nanoscale image of the year (2004).

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