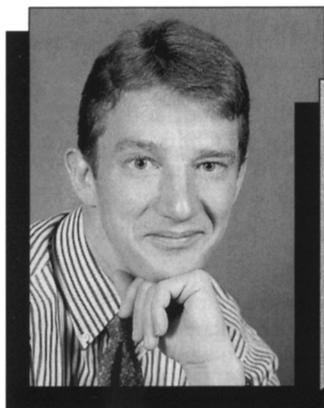


## MRS 1997 Spring Meeting Takes Shape

March 31 – April 4



David J. Eaglesham



Linda Griffith-Cima



Alex King

The Materials Research Society's Spring Meeting of 1997 will take place from March 31 to April 4, at the San Francisco Marriott Hotel in San Francisco, California, chaired by David J. Eaglesham, Linda Griffith-Cima, and Alex King. Spring Meetings benefit, in the eyes of many attendees, from taking place in a single hotel allowing for ready movement from symposium to symposium and providing opportunity for the "hallway interactions" that are the intangible quality element of a great meeting.

With these advantages in mind, along with a continuing commitment to capitalizing on the Meeting's proximity to Silicon Valley, the MRS 1997 Spring Meeting Chairs have put together a program of strongly interlinked symposia that includes recurring themes from previous meetings, along with several new components. This meeting will feature a special focus on manufacturing-related issues.

New symposia are planned on subjects that include Point Defects in Silicon, Organic Electronic Materials and Devices, Multilevel Process Integration, Failure Mode Analysis, Wafer Cleaning in Integrated Circuit Manufacture, Thermo-electric Materials: New Directions and Approaches, Rapid Prototyping and Solid Freeform Manufacture, Structure-Directed Organic-Inorganic Hybrid Materials, and Metastability and Critical Phenomena in Polymer Systems. Many of these will link to ongoing symposia such as Amorphous and Nanocrystalline Silicon, Epitaxial Growth, Polycrystalline Thin Films, Materials Issues in Device Reliability,

High- $T_c$  Superconductors, Flat-Panel Display Materials, and many others. Few of the materials researchers will find less than two or three symposia that they may want to attend, and the range from fundamental issues to manufacturing applications is particularly important in view of the current direction of U.S. governmental funding of materials research.

The meeting will include the exhibit, plenary session, graduate student awards, poster sessions, and hot topics presented in Symposium X, plus several tutorials and perhaps even some special "April First" activities.

A member of the technical staff in the Silicon Electronic Research Laboratory at Bell Laboratories, **David J. Eaglesham** works on the basic science underlying Si integrated circuit processing. He is recognized for innovative work combining transmission electron microscopy (TEM) and molecular beam epitaxy (MBE) to understand bulk diffusion in silicon, low-temperature epitaxy, and other phenomena involving defects, surface energies, and crystal growth. He was the 1994 recipient of the MRS Outstanding Young Investigator Award, cited for "remarkable creativity, leadership, and experimental ingenuity in the discovery and understanding of fundamental interface, surface, and defect phenomena in semiconductor crystal growth" (see *MRS Bulletin*, March 1994, p. 84 and December 1994, p. 57). He received his BSc degree in chemical physics and his PhD degree in physics at the University of Bristol, England, and served on the faculty

at the University of Liverpool. He joined Bell Laboratories (now a part of Lucent Technologies) in 1988.

**Linda Griffith-Cima** is the Karl Van Tassel Associate Professor of Chemical Engineering at the Massachusetts Institute of Technology (MIT) and is affiliated with the Center for Biomedical Engineering. She received a Bachelor's degree from Georgia Tech in 1982 and a PhD degree from the University of California at Berkeley in 1988, both in chemical engineering. Following a postdoc with Robert Langer, she joined the faculty at MIT in January 1991 and teaches at MIT and Harvard Medical School. Griffith-Cima conducts research in the field of biomaterials and devices for tissue and organ regeneration and has published over 20 articles in this field and given over 40 invited lectures. She was the recipient of a National Science Foundation Presidential Young Investigator Award in 1991. She is on the editorial board of the journals *Cell Transplantation* and *Tissue Engineering* and has edited a book on biomaterials for tissue regeneration.

Currently a professor at the State University of New York (SUNY) at Stony Brook, **Alex King** maintains an active research program which continues the focus upon interfacial structure and behavior that he first developed as a graduate student, although he has diversified into other areas such as thin films, semiconductors, polymers, and materials processing. King received his BMet degree from the University of Sheffield in 1975 and his PhD degree at Oxford University in 1979. He joined the Massachusetts Institute of Technology as a postdoctoral assistant working for R.W. Balluffi, then joined SUNY at Stony Brook as assistant professor in 1981. After receiving tenure, he served as Vice Provost for Graduate Studies, resigning that position in 1992 to return to full-time teaching and research. King has published about 100 refereed papers, has edited three technical books, and has lectured around the world. He is a Fellow of both ASM International and the United Kingdom Institute of Materials, is the Print and Electronic Media Review Editor for the Elsevier journal *Materials Science & Engineering A*, and a member of the Board of Review of *Metallurgical Transactions A*. 

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