Preview: XXIII International Materials Research Congress 2014

August 17–21, 2014 Cancun, Mexico

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The XXIII International Materials Research Congress (IMRC) 2014, to be held August 17–21, 2014, in Cancun, Mexico, is a joint meeting of the Sociedad Mexicana de Materiales (SMM) and the Materials Research Society (MRS). The Meeting Chairs are **Heberto Balmori Ramirez** of Instituto Politécnico Nacional (Mexico), **Marcela R. Beltrán** of Universidad Nacional Autónoma de México, **Kenneth Adrian Dawson** of University College Dublin (Ireland), and **Nagarajan Valanoor** of the University of New South Wales (Australia); and the Chair of the Congress is **Armando Salinas Rodriguez** of Cinvestav (Mexico).

The Congress will feature 30 symposia covering nanoscience and nanotechnology, bio and bioinspired materials, materials for energy, fundamental materials science, materials characterization, materials for specific applications, magnetic and electronic materials, and a symposium on strategies for academy–industry relationships. Oral and poster presentations will be given as well as tutorials, and there will be an equipment exhibition.

Mihail C. Roco, founding chair of the US National Science and Technology Council's subcommittee on Nanoscale Science, Engineering and Technology (NSET), will open the technical program with his plenary address on the future of nanotechnology. He will outline several current priorities such as nanoelectronics for 2020 and beyond, sustainable nanomanufacturing, nanotechnology for solar energy, nanotechnology knowledge infrastructure, and nanosensors. According to Roco, global nanotechnology labor and markets are estimated to double every three years, reaching over a $3 trillion market encompassing 6 million jobs by 2020.

The featured speaker during the Science Luncheon will be Douglas Osheroff, the J.G. Jackson and C.J. Wood Professor of Physics at Stanford University. In 1996, Osheroff was awarded the Nobel Prize in Physics with David M. Lee and Robert C. Richardson for their discovery of superfluidity in helium-3. Working from the premise that scientific advances are seldom made by individuals alone, Osheroff will talk about research strategies that can substantially increase the probability of one's making a discovery. He will illustrate some of these strategies in the context of a number of well-known discoveries, including the work he did as a graduate student, for which he shared the Nobel Prize.

For additional information on the Congress, access www.mrs-mexico.org.mx/imrc2014.

Linda S. Schadler appointed *JMR* Associate Editor, Polymers and Organic Materials

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Journal of Materials Research Editor-in-Chief Gary Messing is pleased to announce the appointment of Linda S. Schadler as Associate Editor for Polymers and Organic Materials. "Professor Schadler brings a wealth of knowledge to this expanding and increasingly vital research area for *JMR*," said Messing. Schadler is the Russell Sage Professor in Materials Science and Engineering and the Associate Dean of Academic Affairs in the School of Engineering at Rensselaer Polytechnic Institute. She is a longtime active member of the Materials Research Society.

Schadler is an experimentalist and her research has focused on the behavior of two-phase systems, primarily polymer composites. Her interests currently include the mechanical, optical, and electrical behavior of nanofilled polymer composites. Among her honors are a National Science Foundation National Young Investigator award (1994), the

ASM International Bradley Staughton Award for Teaching (1997), and a Dow Outstanding New Faculty member award from the American Society of Engineering Education (1998). She is a current member of ASM International's Board of Trustees. Schadler was named as one of the Top 100 Materials Scientists worldwide in the last decade by Times Higher Education (2011).

Messing said, "We look forward to working with Professor Schadler as we expand coverage over the increasing range of new materials properties and applications of advanced polymers."

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