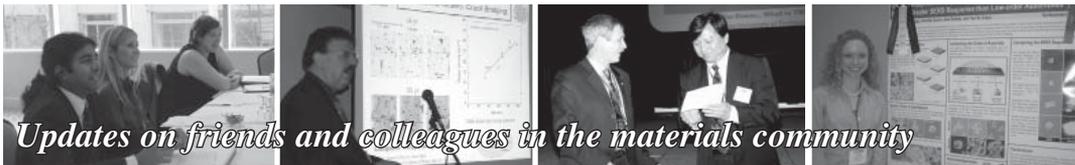


## Member News



Updates on friends and colleagues in the materials community

### Subra Suresh Wins National Materials Advancement Award



Subra Suresh, a TMS Fellow and director of the U.S. National Science Foundation (NSF), has been selected to receive the National Materials Advancement Award from the Federation of Materials Societies. The award, now in its 27th year, recognizes individu-

als who have demonstrated outstanding capabilities and contributions in advancing: the field of materials science and engineering; the effective and economic use of materials in the marketplace; the application of materials developments to national problems and defense; and the development and implementation of national policy which furthers the impact of materials sciences and engineering on society.

Suresh will also be recognized at

the TMS 2012 Annual Meeting & Exhibition, March 11–15 in Orlando, Florida as the 2012 Institute of Metals Lecturer and Robert Franklin Mehl Award winner. He will deliver his presentation at the TMS Extraction & Processing/Materials Processing & Manufacturing Joint Division Luncheon on March 13. Tickets may be purchased for the event through the TMS 2012 registration form, available at <http://www.tms.org/meetings/annual-12/registration.aspx>.

### In Memory of Dennis Hasson

Dennis Hasson, who is well-known to long-time *JOM* readers, passed away on November 15 at the age of 77. Beyond his many professional accomplishments, Hasson also spent the late 1980s through the late 1990s writing the monthly column, *Retrospect*, which waxed thoughtfully on decades-old issues of *JOM* and its predecessor, *Mining and Metallurgy*. Said James J. Robinson, who was editor of the journal for the period during which Hasson contributed, “Dennis was a wonderful contributor to *JOM*—he clearly loved the journal in all

of its incarnations, and that affection radiated from his historically minded column each month. In retrospect, I suspect that he’d be delighted to know that I see him and the history of the journal as forever interwoven.”

Hasson earned his undergraduate degree from Johns Hopkins University, his master’s degree from Virginia Polytechnic Institute, and his doctorate from the University of Maryland. He began his career with the National Advisory Committee for Aerospace, now known as NASA, where he worked in

high Mach number experimental aerodynamics and with manned and unmanned space vehicles. He later taught at the University of Maryland and the Washington Technical Institute. He joined the faculty of the United States Naval Academy in 1973 and conducted research on advanced materials with several Navy laboratories and the U.S. Office of Naval Research. He retired from the Naval Academy in 2000, having earned a number of awards and honors, including the Navy Meritorious Civilian Service Medal.

### Sanak Mishra Receives Platinum Medal

Congratulations to Sanak Mishra, vice president of Arcelor Mittal and chief executive officer, Greenfield Projects, India, Arcelor Mittal India

Ltd., for receiving the prestigious Platinum Medal of the Indian Institute of Metals (IIM) at the IIM Annual Meeting in November. The highest

award presented by IIM, the Platinum Medal recognizes long-term contributions to the metallurgical profession and metals industry.

### A Reunion of Excellence



The International Symposium on Advances in Nanostructured Materials and Applications: The 2011 *Acta Materialia* Gold Medal Symposium was held at the Materials Science and Technology 2011 Conference in October in honor of Jay Narayan, John C. Fan Family Distinguished Chair in Materials Science, North Carolina State University. The occasion turned into a reunion of TMS members who have earned the prestigious *Acta Materialia* Gold Medal in years past. Pictured at the symposium, from left to right: William D. Nix, professor, Stanford University; Herbert D. Gleiter, professor, Forschungszentrum Karlsruhe; Thaddeus “Ted” Massalski, professor, Carnegie Mellon University; John W. Cahn, emeritus senior fellow, U.S. National Institute of Standards and Technology; Narayan; and James Li, Hopeman Professor, University of Rochester.



## Meet a Member: A Celebration of Discovery and Friendship: TMS 2012 Symposium Honors George D.W. Smith

By Lynne Robinson

**Editor's Note:** The following is excerpted from an extensive article on George Smith's life and work that was posted in January in the Education Community of Materials Technology@TMS at [materialstechnology.tms.org/edu/Home.aspx](http://materialstechnology.tms.org/edu/Home.aspx).



George Smith

George Smith, Emeritus Professor of Materials, Oxford University, has always been drawn to sorting out problems, although the first type he encountered as a potential career path was definitely not to his liking. "My father worked in the field of accounting and auditing, and his ambition for me was to become a fully fledged Chartered Accountant," recalled Smith. "But during my high school years, I spent a couple of summers working with him, and decided that never, under any circumstances, could I EVER become an accountant. Correcting the arithmetical mistakes of other people and working to a set of rules and laws that changed unpredictably from year to year was inherently unsatisfying to me. I wanted to apply my energies to more fundamental problems, and science immediately attracted me."

Smith said that once his father realized his son's mind was made up to pursue a scientific career, "He gave me his full and unhesitating support."

Celebrating the many contributions Smith has made since that early decision to enter the field of materials science, particularly in the realm of atom probe technology, is the focus of the Emeritus Professor George D.W. Smith Honorary Symposium at the TMS 2012 Annual Meeting and Exhibition, March 11–15, in Orlando, Florida.

Smith said he was "deeply honored and pleasantly surprised" when he received word of the honor, noting, "I

would like to pay a special tribute to my students, colleagues, and co-workers in many countries, without whom the success that we have obtained would not have been possible. And, most of all, I want to thank my wife, Josie, for her unwavering support and encouragement over all these years."

The door to pursuing the scientific opportunities that excited Smith as a youth opened wide when he won an Open Scholarship to Corpus Christi College, Oxford University. "This was my entry into an entirely new intellectual world. None of my family had ever been to any university, anywhere. Oxford was the tops, and the scholarship helped to fund my time there," he said.

For Smith, the just-emerging area of atom probe instrumentation held particular fascination and has defined his career and contributions in the more than 40 years since. Michael K. Miller, UT-Battelle Corporate Fellow, Oak Ridge National Laboratory Miller and symposium organizer, said the event serves as a tribute to Smith's role and tremendous contributions in shaping this area from its early beginnings.

"The symposium organizers have brought together, through invited speakers and unsolicited contributions, many of Professor Smith's colleagues and coworkers to show how atom probe field ion microscopy and atom probe tomography have evolved and what is now possible for characterization and visualization in three dimensions at the atomic level in a variety of systems," Miller said. "These talks will be augmented by several presentations describing state-of-the-art understandings of several of his research interests, including the microstructures of steels, superalloys, aluminum alloys, and magnetic alloys."

In addition to his significantly advancing the knowledge base of materi-

als science, many of Smith's colleagues noted that his teaching and support of numerous students and colleagues also stand among his greatest contributions. Alfred Cerezo, who collaborated with Smith on commercializing three-dimensional atom probe technology, said, "George's office door has rarely been closed to any student, postdoc, or colleague who wanted to ask his help and advice—Whatever work pressures and schedules loomed, George would always put his own work aside to try and help. He was always incredibly enthusiastic about the research, and always interested—George would want to know what you had found, and would want to help you understand what was going on. But, he was also critical, in the best possible way. Being a stickler for detail himself, he would always ask those difficult questions about the way an experiment or calculation had been done, and this would quickly make you understand the areas of your work which could be in doubt."

But Smith's support didn't end with the research, Cerezo continued. "George genuinely cared about people and their problems. His colleagues were friends and family."

Chris Grovenor, Materials Department head, Oxford University, echoed this perspective, saying, "What I admire about George is that he is endlessly supportive of younger colleagues, pushing them to their fullest potential and encouraging the pursuit of nothing less than excellence by a combination of example and building strong personal interactions. One could not ask for a better colleague."

Each month, *JOM* profiles a TMS member and his or her activities both in and out of the realm of materials science and engineering. To suggest a candidate for this feature, contact Maureen Byko, *JOM* editor, at [mbyko@tms.org](mailto:mbyko@tms.org).