



*Updates on friends and colleagues in the materials community*

**ASM Awards Highlight Accomplishments of TMS Members**



Julia R. Weertman

James C. Williams

Subhash Mahajan

Jeffrey Wadsworth

Marc A. Meyers

John W. Cahn

Haiyan Wang

Erica Corral

An array of TMS members will be recognized for their achievements and contributions at the Annual Awards Dinner of ASM International, held during the Materials Science & Technology 2011 (MS&T 2011) Conference, October 16–20, in Columbus Ohio. Congratulations to the following members on their awards:

**Julia R. Weertman**, Walter P. Murphy Professor Emeritus, Northwestern University, and 1993 TMS Fellow, will receive the ASM Honorary Membership for “her pioneering contributions in teaching and research accomplishments, and profound service in materials science and engineering, professional societies, and service to the materials community at large.”

**James C. Williams**, professor and Honda Chair Emeritus, The Ohio State University, will be honored with an ASM Distinguished Life Membership in recognition of “his undiluted commitment to education and the training of our future colleagues, and his long-standing stewardship to the national technological enterprise.”

A 1998 TMS Fellow, Williams will also be receiving the Henry Marion Howe Medal, along with **Adam L. Pilchak**, materials research engineer, U.S. Air Force Research Laboratory, Wright Patterson Air Force Base, and a TMS member since 2004, as well as **Robert Williams**, graduate research associate, The Ohio State University and Material Advantage member. The award is presented to the authors whose paper has been selected as the best of those published in a specific volume of *Metallurgical and Materials Transactions*. Their

winning paper is entitled, “Crystallography of Fatigue Crack Initiation and Growth in Fully Lamellar Ti-6Al-4V.”

**Subhash Mahajan**, professor and Fulton Technical Fellow, University of California, Davis, and a 1999 TMS Fellow, will receive the ASM Gold Medal for “outstanding contributions to structure-property relations in functional materials.”

2000 TMS Fellow, **Jeffrey Wadsworth**, president and chief executive officer, Battelle Memorial Institute, will be the recipient of the Medal for the Advancement of Research for “sustained, executive leadership and outstanding contributions to advanced materials research and development.”

**Marc A. Meyers**, professor, University of California, San Diego, and a 2011 TMS Fellow, will be honored with the Albert Sauveur Achievement Award for his “pioneering work leading to the understanding of dynamic response of materials to high-strain rate processing, deformation, fracture, and fragmentation; for bridging the micro and macro process involved; and for innovative research on biological materials.”

**John W. Cahn**, Emeritus Senior Fellow, U.S. National Institute of Standards and Technology (NIST), and a 1983 TMS Fellow, will add the J. Willard Gibbs Phase Equilibria Award to his list of recognitions. He is being cited for “more than five decades of outstanding research and teaching with special emphasis on the application of thermodynamics to metallurgy and materials science.”

**Haiyan Wang**, associate professor, Texas A&M University, and a TMS member since 2001, will receive the ASM Silver Medal Award for “innovative research at the frontier of nanostructured materials and applications, and for exceptional potential in inspired education and future leadership.”

Earning the Bradley Stoughton Award for Young Teachers is **Erica L. Corral**, assistant professor, University of Arizona and a new TMS member in 2011. She is being recognized for her “dedication to training and mentoring young people in materials science and engineering through educational outreach efforts for the University of Arizona and unrepresented minorities in engineering.”

**In Memory of Robert Snyder**

Robert L. Snyder, professor and co-chair of the School of Materials Science and Engineering (MSE), Georgia Institute of Technology (Georgia Tech), passed away on September 1.

Snyder entered MSE through his Ph.D. research at Fordham University, continuing it as a post-doc at the University of Pittsburgh and NASA. He began teaching at the New York State College of Ceramics at Alfred University in 1970 and eventually chaired the MSE Department at The Ohio State University from 1996 through 2002. He joined Georgia Tech in 2003.

Snyder held eight patents, published 300 papers on materials and materials characterization, and presented talks around the world with more than 50 plenary and keynote lectures. A TMS member since 1995, he was the recipient of the 2002 TMS Leadership Award and the 2008 TMS Educator Award.



## Meet a Member: Honorary Symposium Celebrates the Contributions of Krish Chawla

By Lynne Robinson

**Editor's Note:** The following has been excerpted from a more detailed article posted on Materials Technology@TMS at [materialstechnology.tms.org/edu/article.aspx?articleID=4232](mailto:materialstechnology.tms.org/edu/article.aspx?articleID=4232).

At 5 a.m. every day for the last few decades, Krishan (Krish) Chawla heads to the pool to swim laps. He rarely, if ever, misses a session. Now professor emeritus at the University of Alabama Department of Materials Science and Engineering, Chawla has applied this same enthusiasm and determination to the research and teaching of composite materials, fibers, and foams for more than 45 years. "The ball started rolling when I joined the University of Illinois at Urbana-Champaign as a graduate student," he said. "That's where I got the bug of 'research-as-a-fun-activity.'"

"Krish has made a profound impact on the education of thousands of students, engineers, and the public-at-large," said Nikhlesh (Nik) Chawla, professor, Arizona State University. "His profound respect for the profession, his high standards and attention to detail, and, above all, his caring for the development and nurturing of young students are unsurpassed."

To celebrate Chawla's many scientific contributions, as well as his impact on the lives and careers of numerous materials scientists and engineers, Nik and several colleagues have organized the Professor K.K. Chawla Honorary Symposium on Fibers, Foams, and Composites: Science and Engineering, to be held at the Materials Science and Technology 2011 Conference, October 16–20, in Columbus, Ohio.

"It is a great honor to have one's peers come together in this fashion. There is no greater accolade," said Chawla. "I'm grateful to the organizers of the symposium and the colleagues, friends, and family members who have agreed to participate for their time and effort. I truly feel very

humble. My particular thanks go to Nik Chawla for taking the lead in organizing this event. He is a great colleague and friend—who also happens to be my son."

"You can't be a part of this community and not be an admirer of Krish and his work," said Nik. "Because of that, the speakers who are participating in the symposium really make up an all-star team of the field—if anybody wants a snapshot of fibers, foams, and composites—this is the place. It's like

a big family coming for a reunion."

The fact that both Nik and his sister, Kanika Chawla, are presenting at the symposium takes the idea of a reunion to a very literal level. Kanika, a scientist in Assay Development for Cellarent Therapeutics, diverged from the path of materials science to pursue a career in bioengineering. Her talk will focus on new materials for biological or medically relevant applications.

Gary Gladysz, vice president of Technology for Trelleborg Offshore and a symposium organizer, said that deciding to pursue his Ph.D. under Chawla "was the best decision of my career.

"The breadth of materials research he has done is amazing, as this symposium will highlight. But, I believe his biggest influence is how he brings together these immensely diverse topics and finds the commonality within them," said Gladysz. "Through his many years of research, he made materials science and engineering a 'good story' from an airplane view."

Much of the telling of this "good story"—and many of his seminal contributions—can be found in the pages of the numerous textbooks that Chawla has written. Looking ahead, Chawla is excited about the future of the field that he helped shape. To be successful in taking full advantage of these opportunities, he said that patience and perseverance in research are key, but also advises, "You have to enjoy what you are doing. If you do that, then it is not a chore, but something that you look forward to doing every day with enthusiasm."



Chawla takes a moment from his numerous professional commitments to play with his grandson, Kush, age 2.



Chawla with the TMS Educator Award that he received at the 2011 Annual Meeting and Exhibition.

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).