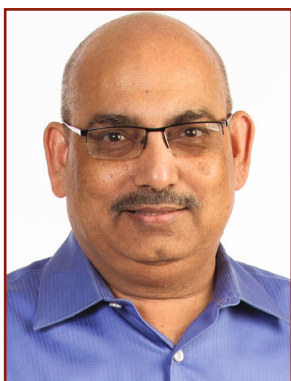




member news

Brajendra Mishra Honored for Collaborative Leadership



Brajendra Mishra

Brajendra Mishra, 2006 TMS President and 2016 TMS Fellow, is the recipient of the 2016 Kenneth Andrew Roe Award, presented by the American Association of Engineering Societies (AAES). The Roe Award recognizes an engineer who has been effective in promoting unity among engineering societies. Mishra is being specifically cited for his “inclusive and consistent leadership of the science and engineering community toward accomplishing meaningful goals through collaboration at the personal and organizational levels.”

Mishra was nominated for the award by the American Institute of Mining, Metallurgical and Petroleum Engineers

(AIME) at the recommendation of TMS, a member society of AIME. This marks the third year in a row that a TMS member nominated by AIME has been honored with a prestigious AAES award.

The Kenneth G. Merriam Professor of Mechanical Engineering at Worcester Polytechnic Institute (WPI), Mishra likewise serves as associate director for WPI’s Metal Processing Institute. He is also the director of the National Science Foundation’s Industry/University Collaborative Research Center on Resource Recovery & Recycling. Prior to his work at WPI, he was a professor at Colorado School of Mines, where he was also the associate director of the Kroll Institute for Extractive Metallurgy.

Mishra is internationally recognized for his contributions to materials science and engineering focused on environmental management, with particular expertise in the development of chemically benign processes and of materials with enhanced properties.

Beyond his scientific achievements, Mishra has worked tirelessly as a volunteer leader to advance the field professionally through cooperative efforts that leverage the resources and talents of multiple organizations. During his presidential cycle with TMS, for instance, he helped lay the groundwork for formalized working relationships between TMS and the Chinese Society for Metals and the Brazilian Metals and Materials Society. As the 2011 AIME President, his commitment to creating more effective synergies among the four member AIME professional societies resulted in his being named the first-ever recipient of the AIME Presidential Citation. The Roe Award is the latest recognition of his efforts in building a more collaborative science and engineering community.

Mishra will formally receive his award in April at the AAES Awards Banquet.



Mishra led the development of the Engineering Solutions for Sustainability: Materials and Resources (ESS:M&R) initiative that convened a broad range of science and engineering societies. He is pictured above giving the opening address at the second ESS:M&R workshop, held at the TMS 2015 Annual Meeting & Exhibition.

Stanley Abkowitz Receives Achievement Award

The Boston Patent Law Association (BPLA) honored Stanley Abkowitz, a TMS member since 1955, at its fifth



Stanley Abkowitz served as a panelist during the question and answer period of the Boston Patent Law Association's Invented Here! event where he was recently honored. From left to right: Aaron Connor, Invented Here! Committee co-chair; Stanley Abkowitz; Susan Abkowitz, TMS member, Abkowitz's daughter, and co-inventor on several of his patents; and Rory Pheiffer, Invented Here! Committee co-chair.

annual Invented Here! event in October 2015. Abkowitz received the inaugural Jacob N. Erlich Achievement Award for “outstanding accomplishments over seven decades of innovation in the titanium industry.” With 25 patents—and several more pending—Abkowitz’s inventions can be found in military, commercial, and consumer products, including medical devices, automobiles, missiles, aircraft, bicycles, and golf clubs.

Abkowitz began his titanium career in 1951 at Foster Grant. Years later, he founded Dynamet Technology Inc., which was acquired by RTI International Metals in June 2014. Abkowitz is currently the senior technical fellow with Alcoa Inc. after a merger with RTI in July 2015. Read more about Abkowitz’s career in the titanium industry in the September 2015 *JOM* article, “Stanley Abkowitz Reflects on Decades of Entrepreneurship.”

Diran Apelian Recognized with Innovation Prize

The U.S. National Academy of Engineering (NAE) awarded its 2016 Bernard M. Gordon Prize for Innovation in Engineering and Technology Education to a team of Worcester Polytechnic Institute (WPI) educators “for a project-based engineering curriculum developing leadership, innovative problem-solving,

interdisciplinary collaboration, and global competencies.” Diran Apelian, WPI’s Alcoa-Howmet Professor of Mechanical Engineering and director of the university’s Metals Processing Institute, is a member of that team. Apelian is the 2008 TMS President and a 2006 TMS Fellow.



Diran Apelian

In Memory of W. Stuart Lyman

TMS extends its sympathies to the family, friends, and colleagues of W. Stuart Lyman, who passed away on November 23 at his home in Gaithersburg, MD. He was a registered professional engineer and a recognized expert in copper metallurgy.

A TMS member since 1952, Lyman spent most of his career at the Copper Development Association (CDA), joining the staff in 1964 and retiring in 1994. He served as CDA’s senior vice president, supervising the technical aspects of development work, as well as market research, statistical analysis, and the Copper Data Center.

Prior to his work with CDA, Lyman was a division chief at Battelle Memorial Institute where he led research and development programs in metalworking. In his early career, he worked as a researcher at the Engineering Research Institute of the University of California, Berkeley, and as a staff metallurgist for the Materials Advisory Board of the National Academy of Sciences. He served in World War II as a naval intelligence officer. Lyman held a bachelor’s degree in metallurgy from the University of Notre Dame and earned his master’s degree from the University of California, Berkeley.



Stuart Lyman