

Member News

Updates on friends and colleagues in the materials community

Tal-Gutelmacher Receives Weizmann Institute Postdoctoral Award

Ervin Tal-Gutelmacher, a post-doctoral researcher at the Institute for Materials Physics in Germany, was one of eleven



women awarded the inaugural Sara Lee Schupf Post-doctoral Awards from the Weizmann Institute of Science. The new award, administered through the Weizmann Institute Women in Science program, honors young women scientists who completed their Ph.D. studies with honors at Israeli universities and academic institutions. Award winners receive approximately \$20,000 a year for two years to conduct postdoctoral studies at leading universities abroad.

"I think the Sara Lee Schupf award and the Weizmann Institute initiative are extremely important to promote talented Israeli scientist women in general, and scientist mothers like me in particular," said Tal-Gutelmacher, who is a mother of three. "This award enables us to create the freedom and the mobility to further develop our scientific careers."

Tal-Gutelmacher completed her Ph.D. in the Department of Materials Engineering at Ben-Gurion University of the Negev in 2006 and joined TMS

Singhal Wins Fuel Cell Seminar Award

Subhash C. Singhal, a senior member of TMS, was awarded the 2007 Fuel Cell Seminar and Exposition Award during



the seminar's plenary session in San Antonio, Texas. The award recognized Singhal for outstanding leadership and innovation in the promotion and overall advancement of fuel cell technology.

Singhal is a Battelle fellow and director of fuel cells at Pacific Northwest National Laboratory in Richland, Washington, where he provides senior techni-

cal, managerial, and commercialization leadership to the lab's extensive fuel cell program. Known for his leadership in solid oxide fuel cells, Singhal has been recognized for his contributions to solid oxide fuel cell technology by the American Ceramic Society; the Japan Ministry of Science, Education, and Culture; and the European Fuel Cell Forum. Singhal has been responsible for promoting solid oxide fuel cell technology for clean and efficient power generation through the biennial International Symposium on Solid Oxide Fuel Cells.

as an automatic junior member in 2007. During her M.Sc. and Ph.D. studies, Tal-Gutelmacher investigated the effects of hydrogen on quasicrystalline and amorphous materials (Zr-Cu-Ni-Al alloys) and metals (titanium-based alloys). Now, she is studying the effect of hydrogen on the grain growth phenomena in titanium at the Institute for Materials Physics at Georg-August University in Goettingen, Germany, with Reiner Kirchheim's group. This work is supported and funded by a post-doctoral fellowship from the Alexander von Humboldt Foundation.

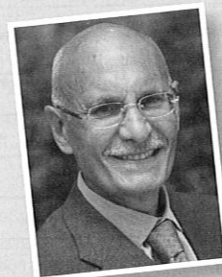
"My post-doctoral research will contribute immensely to my knowledge in the hydrogen field, as well as to my experimental practice with various high-tech equipment and procedures," said Tal-Gutelmacher. "The modern, state-of-the-art techniques and equipment available at the Institute of Materials Physics, combined with the supervision of Professor Kirchheim, will beyond doubt result in a very successful research experience for me as a material scientist."

The Weizmann Institute considers the postdoctoral study years critical to a young scientist's career. This program helps women to overcome personal, financial, and family considerations that may otherwise keep them from being able to spend several years abroad.

Singhal is a member of the U.S. National Academy of Engineering and has been a member of TMS since 1966.

APELIAN JOINS BOARD OF INDUSTRY'S HUMANITARIAN SUPPORT ALLIANCE

Diran Apelian, the 2007 vice president and incoming president of TMS, has recently taken on another leader-



ship position: this time as a member of the Board of Directors for Industry's Humanitarian Support Alliance (IHSAN).

The mission of this non-governmental organization is to encourage industry, academia, and individuals to form a global alliance committed to empowering disadvantaged communities worldwide. Specifically, IHSAN's mandate is to increase the availability of safe drinking water, adequate sanitation and hygiene, and related education through sustainable development projects, technology, and knowledge sharing.

The five-member board of directors also includes Abdul Jaleel AlKhalifa, current president of the International Society of Petroleum Engineers (SPE), and Roy H. Koerner, 1995 SPE president and 1998 president of the American Institute of Mining, Metallurgical and Petroleum Engineers (AIME). TMS and SPE are both member societies of AIME.

Apelian is Howmet Professor of Engineering and director of the Metal Processing Institute at Worcester Polytechnic Institute. In 2007, he received the Acta Materialia Inc. J. Herbert Hollomon Award for outstanding contributions to interactions between materials science and technology and societal interests. Apelian discussed the relationship between materials and society in his TMS 2007 Annual Meeting presentation, "The Future of Materials Science and Engineering," and the accompanying February 2007 *JOM* paper, "Looking Beyond the Last 50 Years: The Future of Materials Science and Engineering."

For more information on the IHSAN, visit www.ihsan-h2o.org.