He holds five patents and received more than $15 million in grant support. Bahr received several prestigious awards, including ASM’s Bradley Stoughton Award for Engineering Education (2003). Bahr holds a Ph.D. in materials science from the University of Minnesota and bachelor’s and master’s degrees from Purdue University.

**Singh to Receive the ACerS’s John Jeppson Award**

Dr. Mrityunjay (Jay) Singh, FASM, chief scientist for Ohio Aerospace Institute, was selected to receive the American Ceramic Society’s John Jeppson Award. Dr. Singh was selected for this honor in recognition for his pioneering and seminal contributions and global leadership in the field of science, engineering, and applications of advanced ceramic and composite materials and technologies. The John Jeppson Award, originated in 1958, recognizes distinguished scientific, technical, or engineering achievements in ceramics. His ceramic experience in forming and firing were major factors in producing some of the first ceramic grinding wheels. The John Jeppson Award will be presented to Dr. Singh at the ACerS 113th Annual Meeting’s Honors and Awards Banquet during MS&T'11 on Monday, October 17 in Columbus, Ohio.

**ASM Offers New Course!**

**Introduction to Materials Science and Engineering**

**Date:** August 22-25, 2011

**Location:** ASM Headquarters, Materials Park, Ohio

**Instructor:** F.H. (Sam) Froes, Ph.D.

Learn about the behaviors of metals, ceramics, polymers, and composite materials in this new course. Each day of class will include a short lab on testing methods. These labs will include tensile testing, NDE testing, hardness testing and metallography/optical examination. The lecture portion of the class will focus on several topics including classification of materials, chemistry, processing, microstructures, mechanical properties and applications. For course objectives and outline or to register, visit: www.asminternational.org/education.

**VOLUNTEERISM COMMITTEE**

**Profile of a Volunteer**

**MacKenzie Sellers**

Rolls-Royce

Volunteerism is a like a plant that re-seeds itself. Those who volunteer often spread their enthusiasm to others. That’s the case with 24-year-old MacKenzie Sellers. Her parents paved the way by being community volunteers in Cincinnati. Now MacKenzie is keeping that family tradition of volunteerism alive, as she donates her time to ASM International and other organizations.

After graduating in materials engineering from Purdue in 2009, MacKenzie began working in failure analysis for Rolls-Royce in Indianapolis. She now works primarily on aerospace gas turbine engine hardware submitted for review. MacKenzie and her group help conduct metallurgical investigations to support their customers and help prevent future events.

Now that she’s working in the field, MacKenzie is beginning to get involved as an ASM volunteer. She taught “Metallurgy for the Non-Metallurgist” as part of a 13-week materials program at the Rolls-Royce Training Center. At MS&T’11 in October, she’ll present “Shedding Light on Failure,” a session on lighting and photography techniques that help improve the visibility of various fracture features.

“I enjoy the networking opportunities you get by volunteering with ASM, but I also think it’s important to get a view beyond what we do,” MacKenzie explains. “Volunteering opens you up to different aspects of life.”

At Rolls-Royce, MacKenzie has been president of the Early Professionals Network and on the executive board for the Society of Women Engineers, a group that focuses on outreach to young girls.

“During Engineering Week, we went to a local children’s museum and taught a workshop for kids on how to make Chap Stick. It was something they could relate to, and they thought it was cool that you can make something like that!”

“Ultimately, I want to get kids excited about math and science. It’s no secret that Americans need to produce more engineering graduates,” says MacKenzie. “Most engineers can think of someone who got them excited about math or science at an early age…I want to do that for kids.” Her enthusiasm for engineering and volunteering is already spreading to the next generation.

**Growth in Education: Materials in Medical Devices, Electronic Devices and Polymer Science**

ASM Education is growing as partnerships and curriculum are under development for medical materials, polymers, and electronic devices.

ASM Education will offer Materials for Medical Devices training at the University of Akron Campus at the Akron Polymer Training Center August 22-26. Scheduled for the week of October 10-14 is another medical materials focused event at North Carolina State University, Raleigh. Roger Narayan, Ph.D., MD and Dr. Martin King, Ph.D., both ASM members and faculty of NC State, will be teaching at the Raleigh event.

Electronic device education and programming is currently being developed between ASM and a NE Ohio partner in sensor packaging, testing/reliability, and advanced life simulation. Polymer training programs for ASM are undergoing development as we reach out to local and international polymer societies and economic development centers. The opportunities for polymer education reach beyond the state level with opportunity for global presence in biomedical, electronics, packaging, and renewable energy training. As polymers are Ohio’s largest manufacturing industry, ASM Education is positioning itself to become a major provider of quality training in the local and global markets. As we collaborate and partner with various polymer societies to create new programming, our focus will include: electronic polymers, high performance polymers, bio-based polymers and recyclable polymers.