

Women Leading the Way

The population of the Industry Applications Society is changing.

Who we are - The Industry Applications Society serves electrical engineers over a wide spectrum of industries and technologies. We are involved in the application of engineering, from motor drive and power electronic technology for renewables, transportation, or industrial processes; we develop automation systems for manufacturing; we are involved in mining, cement production, pulp and paper and metal industries, refineries and chemical plant operation; from rural electric cooperatives to large industrial plants; from the development of lighting and displays to the engineering of electrostatic processes. One IAS member out of five works in academia or at a government laboratory, closer to fundamental technology developments, while the others are in industry, applying state-of-the-art knowledge to new products or their manufacture. Last but not least, IAS members have developed and are continuously updating many industry standards, from grounding to DC networks, contributing to increased electrical safety at home and in industry.



Left: Newly Elected IAS Board Member, Ms. Yao Yingbei, Chairing a student poster session at the IAS Annual Meeting.



Right: Ms. Aathira, (2nd right) 2012 Thesis Contest 3rd Prize Recipient, accepting her award at The RIT SB IAS Chapter event with Prof. Vijayakumari C K., thesis supervisor (m).

Where we are and where we meet - The IAS has nearly 11,000 members worldwide. Relative to its size, the IAS has one of the largest offering of conferences and local chapters of any IEEE society, reflecting the broad technical, regional, and cultural diversity of our membership. The IAS has over 200 chapters worldwide with a number of student branch chapters for our young members at universities with accomplished student advisors on hand to guide members. Papers that are presented at our technical conferences are eligible to be published in the peer reviewed Transactions Journal or magazine. More and more women are joining the society and finding their way to high-

level volunteer positions. One of our newly elected board members is a young engineer from China, Ms. Yao Yingbei, a leader in the Chapters and Membership Department.

Testimonies - “Being an IAS member has brought me opportunities I never would have imagined”, says Ms. Taqua Khairy from Bahrain. “I feel that I can and will create reality of my dreams! IAS had made that possible and reachable for me. The first time I traveled alone was when I had a 24 hour trip from Bahrain to Florida to attend the IAS annual meeting 2011. This trip wouldn’t have been possible without the IAS Zucker Award support. I was there in the US for the first time, sharing a room with a very sweet female engineer who had a totally different culture and background. She was Latin, I was Arab and we made a friend there who was Italian! However, we could still connect through our common interest in science, engineering and volunteering work with IEEE. We are still good friends! That year I stood in front of more than 60 people and spoke about my university and the country I live in. IAS gave me the opportunity and encouraged me to be an effective person, and made me believe that I can make a difference!”

A decade-long IAS project of particular significance to our world is the improvement of electrical safety. The IAS has a technical committee dedicated to this topic, working on new technology, standards, and significantly to the dissemination of knowledge related to the prevention of electrical accidents, injuries, and fatalities. Says Dr. Mary Capelli-Schellpfeffer, a physician who works with engineers, IEEE Fellow and IAS member: “The IAS Electrical Safety Committee has as a goal no less than changing the electrical safety culture.”



Left: Ms. Janet Flores, IEEE WIE, and Ms. Taqua Khairy, CMD SiE program co-chair co-presenting at the IAS 2012 Annual Meeting.



Right: Ms. Megha Tak, DA-IICT SB IAS Chapter Chair, accepting a chapter award from Dr. Peter Magyar, IAS CMD Chair

**Take your engineering career to new heights
by joining the Industry Applications Society where you can make a difference!**

For more information about the Industry Applications Society go to <http://ias.ieee.org/>