

technologies. Dr. Wachsman recently published an article entitled, "Role of Solid Oxide Fuel Cells in a Balanced Energy Strategy" in *Energy & Environmental Science*, and gave a number of energy policy oriented talks in DC region.

Roque Calvo, Executive Director of ECS; Betsy Houston of Federation of Materials Sciences; Dean Darryl Pines of UMD's Clark School of Engineering, and; Bob Boege, organizer of SET-CVD, were instrumental in guiding the students, however, the enthusiasm and commitment of the students to science prevailed. For all but one student, it was the first time that they had taken part in a congressional

visit, but all left with a newfound appreciation of the accessibility and willingness of the legislators and their staff to meet with constituents and to hear their concerns. Though brief, the meetings were a great opportunity to make contacts with legislators and their staff, and the UMD chapter members were able to offer assistance and information to congressional staff as well as grow their own network in the policy world.

Colin Gore, President of the UMD chapter, put it nicely when he said, "I know that though we don't yet have the clout to make any big changes in the minds of the staffers we talked to, we as a group left with a changed perspective

that will inform our positions and actions throughout the rest of our long careers in science and engineering. I'm glad that we were able to have this experience early on in our careers so that we have many decades to improve our relationship with our congressmen and women. I look forward to spreading this message to my peers at UMD, in ECS, and in the other professional spheres I go on to inhabit in the future.

For more information on participating on Science, Engineering, Technology Congressional Visits Day, visit setcvd.org. ■

Highlights from CSTIC 2013

ECSCS and SEMI are pleased to announce that the annual China Semiconductor Technology International Conference (CSTIC 2013) successfully concluded on March 18, 2013 in Shanghai, China with over 260 speakers and more than 700 attendees from around the world. The successful conclusion of CSTIC 2013 marked another milestone of this annual international conference. With a focus on semiconductor technology and manufacturing, CSTIC promoted technical exchanges on the latest developments in semiconductor technology and manufacturing and facilitated investment and collaboration in the semiconductor industry in Asia, particularly China.

CSTIC 2013 covered all aspects of semiconductor technology and manufacturing, including circuit design, devices, lithography, integration, materials, processes, and manufacturing, as well as emerging semiconductor technologies and silicon material applications. Hot topics, such as 3D integration, LEDs, and MEMs, were also included in the conference. Ivar Giaever (Nobel Laureate and Professor of Rensselaer Polytechnic Institute), Ghavam Shahidi (IBM Fellow and Director of Silicon Technology at IBM Thomas J. Watson Research Center), and Peng Bai (Vice President, Technology and Manufacturing Group at Intel) delivered the keynote speeches at the conference plenary session. Over 130 other leading experts in semiconductor technology presented invited talks in the eleven parallel symposia.

Qinghuang Lin (IBM Thomas J. Watson Research Center), CSTIC 2013 Conference Chair, said "With the support of SEMI, ECS, and the dedicated volunteer service of more than 120 committee members, CSTIC has become an increasingly important and influential international conference on leading edge semiconductor technology and manufacturing." Among the 308 accepted papers, about half of them were from the U.S., Europe, Japan, and Korea, while the other half were from China.

CSTIC 2013 was organized jointly by ECS and SEMI. More than 150 CSTIC 2013 papers were published in *ECS Transactions* in



ECS Executive Director **ROQUE CALVO** (right) presented **TAO DENG** (left) with the Best Student Award at CSTIC 2013.

the ECS Digital Library after peer review by the conference committee members. Allen Lu (President of SEMI China) and D. Noel Buckley (Former President of ECS) gave opening speeches at the plenary session. ECS Executive Director Roque Calvo attended the conference.

CSTIC 2013 was co-organized by China's High-Tech Expert Committee (CHTEC) and co-sponsored by IEEE-EDS, MRS, CEMIA, and CSE. It was supported by Shanghai Pudong Association for Science & Technology, Shanghai Pudong New Area Science & Technology Development Fund. About 20

industry companies provided financial support for this industrial semiconductor technology conference.

The Best Student Award winner was Tao Deng, Tsinghua University, China and the Best Young Engineer Award winner was Yingying Bai of Shanghai Huali Microelectronics, China; the awards were presented at CSTIC 2013.

CSTIC 2014 is scheduled to be held March 16-17, 2014 in Shanghai, China. More information about CSTIC is available at www.semiconchina.org/cstic. ■