

**PRESS RELEASE**

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**For Immediate Release**

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The Electrochemical Society

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**ECS Partners with the Metro New York Section Chapter of AIChE  
for “Batteries Today” event**



Dr. Subhas Chalasani (left), Dr. Amy C. Marschilok (center) and Dr. Roland Stefandl (right).

On Tuesday, February 11, 2014 ECS partnered with the **Metro New York Section Chapter of AIChE** for a joint event on **Batteries Today - A discussion on Technological Advancements, including Lithium-Ion Battery Applications**. The dinner meeting and panel discussion was held at the Pfizer Building in Manhattan, and moderated by Dr. Roland Stefandl, Founder, Director and Managing Partner of Poly-Chem Sytems. The featured speakers were Dr. Subhas Chalasani of Deka Battery and Dr. Amy C. Marschilok, Professor in the Chemistry Department at Stony Brook University.

Attendees enjoyed brief presentations from each speaker, highlighting the latest research and issues in the battery field. Dr. Chalasani spoke on the challenges for large format Lithium-Ion batteries. He noted that “while Lithium-Ion has no alternative for most of the rechargeable portable energy needs today, the technology has major safety hurdles to overcome in the large format applications including electric mobility and utility backup.” Dr. Chalasani emphasized that the safety containment and handling adds significant cost. He said “safety is an important aspect not just during manufacturing and operation of the batteries but also during recycling of the used batteries. The latter is over looked in the cost considerations.” He further noted, “advanced lead acid (lead carbon) batteries however, are enjoying the preferred technology status in micro hybrid applications today and Ultrabattery is proved to match the Nickel Metal hydride performance in mild hybrid applications.”

Dr. Amy C. Marschilok, as part of her discussion commented “this is an important time for scientific and technological investigations in energy storage. Material control and systems level studies are potential keys to major breakthroughs. Energy storage research will lead to energy storage solutions only when application specific needs are carefully considered.”

A lively question and answer period followed, and participants engaged in an interesting conversation about the future of batteries. ECS looks forward to continuing the conversation about battery technology at the **2014 International Meeting on Lithium Batteries**, this June in Como, Italy.

The Metro New York Section of the American Institute of Chemical Engineers promotes the interests and professional development of chemical engineers residing or working in New York City and Long Island. It also does outreach to current and prospective ChE students.



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