

SPECIAL EVENTS

13 November, Sunday

19:00 – 21:00 **VIP Reception for Organizers, Sponsors/Exhibitors and Presenters** (by invitation only)

The VIP Reception, sponsored by the Summit *“Platinum Sponsor”*, provides an opportunity for organizers, sponsors/exhibitors, and presenters to coordinate their participation in the Summit. The venue for the VIP Reception will be announced by invitation letter.

14 November, Monday

8:35-8:45 **Welcome Remarks: Richard E. Kleine, 2011 SAE International President and Vice President, Quality and Business Enterprise, Cummins, Inc.**



Richard "Ric" Kleine is Vice President, Quality and Business Enterprise for Cummins Inc. He started at Cummins Inc., in 1981 where he has held numerous key executive positions in engineering and marketing. Dr. Kleine's previous employment comprised serving at Cummins MidRange Engine Business Quality organization, where he was Vice President of the Off Highway Business Group. His other roles were Executive Director of Automotive Customer Engineering; Director of the Automotive Business located in the UK; Director of Automotive Marketing and Product Planning; Chief Engineer of Advanced Concepts; and Manager of Application Engineering for Automotive and Industrial products. From 2008-2010, Kleine served as SAE International's Vice President-Commercial Vehicle and was a member of the SAE Commercial Vehicle Executive Council. Additionally, Kleine's SAE International involvement includes the Commercial Vehicle Engineering Operations Activity Executive Committee; and the Buckendale Lecture Committee. Kleine has been an SAE member since 1986. He holds bachelor and master degrees in Technology Education from Indiana State University; and a doctorate in Technology from West Virginia University.

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8:45 – 9:30 **China Keynote: Update on China's EV/PHEV and Battery Development in the 12th Five Year Plan and New Energy Vehicle Plan**, Grand Ballroom, 3rd floor
Chen Jianguo, Ph.D., Deputy Director, Department of Industry, National Development Reform Commission (NDRC), China



Professor Chen Jianguo, born in 1953, obtained his doctorate in Industrial Economics at Renmin University of China. Previously, his career has included positions at Beijing Automotive, the National Economic and Trade Commission, and China's State Planning Committee. Dr. Chen now holds the post of Deputy Director, Industry Division, of the National Development Reform Commission (NDRC). He has worked extensively in the area of China's Automobile Industry regulations and planning including: China's automobile industry policy (1994), and the Automobile Industry Development Policy (2004) and has monitored China's current automobile vehicle policies related to China's New Energy Vehicle Plans and related policies in China's 12th Five Year Plan. He has broad manufacturing management experience in automotive, marine, and rail transportation equipment.

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13:30 – 14:10 **Future Technology Keynote: High-Energy Batteries based on Lithium Metal Anode**
Steven J. Visco, Ph.D., Chief Technical Officer and Vice President, PolyPlus Battery Company



Steven J. Visco is a co-founder, Chief Technical Officer and Vice President of PolyPlus Battery Company in Berkeley, California, as well as a Principal Investigator in the Materials Science Division at the Lawrence Berkeley National Laboratory. Dr. Visco graduated with a B.S. in Chemistry from the University of Massachusetts in 1977 and received his Ph.D. in Physical Chemistry from Brown University in 1982. Steven spent two years as a Postdoctoral Scientist at the University of California at Santa Barbara working on advanced batteries. Dr. Visco then joined the staff at the Lawrence Berkeley National

Laboratory as a Principal Investigator in the Materials Sciences Division in 1984 where his research interests have included solid-state ionic devices such as batteries and fuel cells. Steven Visco co-founded PolyPlus Battery Company in 1991. Dr. Visco also serves on the Technical Advisory Boards for the Conrad Foundation and the CIC Energigune Institute in Miñano, Spain. Dr. Visco has published over 84 articles in scholarly journals, and currently holds 70 issued U.S. patents and more than 200 international patents.

17:00 – 18:00 Pre-Banquet Reception, Grand Ballroom Foyer

This Pre-Banquet Reception for all attendees is hosted by the Summit "**Premier Sponsor**" and will feature a selection of 'international and Chinese' appetizers and beverages.

18:00 – 20:00 Welcome Banquet, Grand Ballroom, 3rd Floor

All Summit attendees are invited to the Welcome Banquet, hosted by the Summit "**Diamond Sponsor**." Join your friends and colleagues for a chance to do business and enjoy a wonderful evening of great food, beverages and fun.

15 November, Tuesday

8:30 – 9:15 Current Technology Keynote: Status of Li-ion Battery Technology for Automotive Applications, Summit Chair: Menahem Anderman, Ph.D., President, Advanced Automotive Batteries USA and founder of Total Battery Consulting, Inc.



Menahem Anderman, Ph.D. is a broad-based battery industry executive with experience ranging from materials research, cell design and product development, to market development and general management. He is distinguished within the industry by a combination of technical depth and business comprehension, as well as an understanding of the particular roles of technology, finance, manufacturing and marketing in building successful business. Prior to founding Total Battery Consulting, Inc., Dr. Anderman served as Vice President of Technology at Polystor Corporation and held a number of key technical and business development positions at Acme Electric Corporation rising to Vice President and General Manager. In the United States, Dr. Anderman has advised the U.S. Department of Energy,

California Air Resources Board (CARB) and the U.S. Congress on battery development and markets. He has authored numerous technical articles and holds several battery related patents.

9:15 – 10:00 Battery Design Keynote: The Use of Computer Simulation for Battery Design, Safety, and Life Verification, Robert Spotnitz, Ph.D., President, Battery Design LLC



Robert M. Spotnitz, Ph.D., is a leading developer of mathematical models that simulate battery operation and founded Battery Design LLC in 1999 to develop custom software for battery design and development and recently participated as co-founder at start-up of two battery development companies: American Lithium Energy Corporation and MicroAzure Corporation. Dr. Spotnitz previously served as Director, Advanced Product Development at PolyStor Corporation where he led efforts to develop large lithium-ion batteries and won a \$9.5 million PNGV (U.S. Partnership for New Generation Vehicles) grant

for hybrid electric vehicle battery development. Dr. Spotnitz has 18 patents related to battery design and development and has authored 35 articles in the electrochemical field. He is a well-known speaker on various aspects of battery engineering and has made technical presentations both nationally and internationally.