

Program Monday, April 23, 2012

Registration 8:30am – 9:00 am

Plenary & Keynote: Issues on Vehicle Electrification <i>Room: Vandenberg 8:30 am to 12:00 pm</i> Session Chair: Nasim Uddin, PhD , President, <i>Global Automotive Management Council</i>		Performance: Evaluations, Testing & Product Design <i>Room: Vandenberg 1:00 pm to 5:30 pm</i> Session Co-Chairs: Elham Sahraei, PhD , Research Associate, <i>MIT</i> Mahmoud Ghannam, PhD , Safety Engineer, <i>Ford</i> Warren Parsons , Group Manager, <i>General Motors</i>	
8:30 am	Issues affecting the Economics of BEVs and EREVs Ed Tate, PhD <i>General Motors</i>	1:00 pm	Advanced Electronic Equipment and Procedures for Automotive Li-Ion Battery Testing Nils Lohmann, Manuel Fischnaller, Joachim Melbert, PhD, Thomas Musch, PhD <i>Ruhr-Universitaet Bochum</i>
9:00 am	Advances in Mechanical Modeling of the Lithium-ion Batteries and Battery Packs Tomasz Wierzbicki, PhD Elham Sahraei, PhD <i>MIT</i>	1:30 pm	Signal Analysis of Dynamic Abuse Curb Impact Tests Jinkoo Lee, PhD Mahmoud Ghannam, PhD Dale Crombez <i>Ford</i>
9:30 am	An Infrastructure to Optimize the Manufacturing Process Lee Sellenraad, CCM, LEED AP <i>Lathrop Turner Industrial</i>	2:00 pm	Large Format Batteries and Latent Defect Testing Jan Swart <i>Exponent Engineering and Scientific Consulting</i>
10:00 am	Break	2:30 pm	Break
10:30 am	Status of International Battery Standards Committee Robert Galyen <i>Magna E-car Systems</i>	3:00 pm	Detecting and Modeling the Onset of Short Circuit in a Li-ion Cell Under Mechanical Loading John Campbell, PhD Elham Sahraei, PhD Tomasz Wierzbicki, PhD <i>Massachusetts Institute of Technology</i>
11:00 am	The Battery Need for Military Vehicles Yi Ding, PhD <i>US Army RDECOM-TARDEC</i>	4:00 pm	Performance Evaluation of a Lithium-Air Battery Prototype Operating Under Efficient Air Cathode Membrane Susanta Das, PhD, Li Sun, PhD, Joel Berry, PhD <i>Kettering University</i> Salma Rahman, Jianfang Chai, James Godschalx, Steve Keinath, Abhijit Sarkar
11:30 am	Q & A PANEL DISCUSSION	4:30 pm	Internal Short Circuit in Li-ion Batteries Simulated by Mechanical Pinching Wei Cai, PhD, Hsin Wang, PhD, Edgar Lara-Curzio, PhD <i>Oak Ridge National Laboratory</i> Hossein Maleki, PhD <i>Motorola Mobility</i>
12:00 pm	Session Adjourned & Lunch	5:00 pm	Modeling of Li-Ion Batteries for Automotive Applications: Time Domain, Frequency Domain and Aging Effects Nils Lohmann, Manuel Fischnaller, Joachim Melbert, PhD, Thomas Musch, PhD <i>Ruhr-Universitaet Bochum</i>
		5:30 pm	Session Adjourned – Reception & Dinner at Grizzly Peak Brewery <i>No Transportation Will Be Provided</i>

To **register and exhibit** call (734) 418-2365, email to info@batterycongress.org or fax (734) 418-2356.

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Program Tuesday, April 24, 2012

Registration 8:30am – 9:00 am

Advances in Battery Propulsion Technology – Materials to Manufacturing Process Optimization Room: Vandenberg 9:00 am to 12:30 pm Session Co-Chairs: Yi Ding, PhD , Engineer, <i>US Army RDECOM-TARDEC</i> Sharon Xiao, PhD , Associate Professor, <i>Michigan State University</i>		Thermal Management, Service Life & Efficiency Room: Vandenberg 1:30 pm to 4:30 pm Session Chair: Tom Wierzbicki, PhD , Professor, <i>MIT</i>	
9:00 am	Dynamic, Real-Time Control of Interfacial Properties in Secondary Batteries Bernard Nolan, PhD, Patrick DaSilva, PhD, Anthony Pacheco, PhD <i>UMASS-Dartmouth</i> Victor Stancovski, PhD <i>Clean Energy Innovations</i>	1:30 pm	Evaluation of the Effects of Thermal Management on Battery Life in Plug in Hybrid Electric Vehicles Tugce Yuksel Jeremy Michalek, PhD <i>Carnegie Mellon University</i>
9:30 am	Investigation of SEI Formation Mechanisms: A TOF SIMS and XPS Study Peng Lu, PhD Stephen Harris, PhD <i>General Motors</i>	2:00 pm	Electrical Contact Resistance in Lithium-ion Battery Modules Peyman Taheri, PhD Majid Bahrami, PhD <i>Simon Fraser University</i>
10:00 am	Design And Implementation Of An Electric Powertrain For The Kiira Electric Vehicle Fred Matovu <i>KEV</i>	2:30 pm	Battery System Level Thermal Analysis Using Linear Parameter Varying (LPV) Method Xiao Hu, PhD Shaohua Lin Scott Stanton <i>ANSYS</i>
10:30 am	Break	3:00 pm	Break
11:00 am	Laser Materials Processing Jake Wieloch <i>Rofin-Baasel</i>	3:30 pm	Transient Temperature Distribution in Prismatic Polymer Lithium-ion Batteries Peyman Taheri, PhD Majid Bahrami, PhD <i>Simon Fraser University</i>
11:30 am	Innovative Sealing Methods for Fuel Cells and Batteries Al Decato <i>Henkel</i>	4:00 pm	Thermal Analysis of a Li-Ion Battery Cell Wei Wu, PhD Sharon Xiao, PhD <i>Michigan State University</i>
12:00 pm	Battery Assembly: Welding Dissimilar Materials David Speth <i>EWI</i>	4:30 pm	Session Adjourned
12:30 pm	Session Adjourned & Lunch		

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General Registration Form

PLEASE ATTACH BUSINESS CARD, PRINT OR TYPE

Name:		
Title:		
Company:		
Mailing Address:		
P.O. Box _____	Mail Code: _____	CIMS code: _____ Suite: _____
City:		
State/Province:	Zip:	Country:
Daytime Phone:	Fax:	
Email:		
PLEASE INDICATE BY AN "X" IN THE		
APPROPRIATE BLANK BOX(ES)		
I will attend CONFERENCE(S) on: <input type="checkbox"/> April 23 <input type="checkbox"/> April 24		
I will attend RECEPTION on <input type="checkbox"/> April 23		

FEE SCHEDULE FOR GENERAL REGISTRANTS

Registration Fee is \$995 (**After March 8 the fee is \$1295**) (Access to sessions for 2 days of the conference; also includes a copy of the Proceedings & presentations CD, coffee breaks, lunch(es), reception, access to the exposition, and all other functions)

PAYMENT METHODS: (All checks must be drawn from U.S. banks in U.S. funds only)

Make Check Payable to: Global Automotive Management Council. In the amount of, US\$ _____

For Credit Card Payment: MasterCard VISA American-Express

Account #: _____ Expiration Date _____

(Cardholder's name & billing address if different from the above)

Signature: _____

Date _____

Mail or FAX Registration Information by March 8, 2012 to: GAMC, 5305 Plymouth Road, Ann Arbor, MI 48105, USA. FAX: 734 418 2356 PHONE: 734 418 2365. REFUND POLICY: NO REFUNDS after March 8, 2012.

There is a 45% service charge on cancellation(s) before, March 8, 2012.