

Reception & Exhibits Monday, May 16, 2016

Registration 4:00 pm – 5:00 pm

5:00 pm	Reception & Exhibits Open	7:00 pm	Reception & Exhibits Adjourned
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Program Tuesday, May 17, 2016

Registration 8:30am – 9:00 am

Plenary & Keynote: Solutions for Vehicle Electric Propulsions Room: 101 - 9:00 am to 12:30 pm Session Chair: Hank Sullivan Director <i>Tenneco</i>		Design, Engineering & Systems Optimization Room: Room 104 – 1:30 pm to 5:00 pm Session Co-Chairs: Kelly Jezierski Consulting Engineer Theodore Olszanski M-ATV PI Engineer <i>US Army RDECOM - TARDEC</i> Ying Shi, PhD Testing & Control Engineer <i>NREL</i>	
9:00 am	Advanced Electrochemical Energy Storage Systems for Vehicle Electrification Mei Cai, PhD, GM Tech Fellow and Group Manager <i>General Motors</i>	1:30 pm	A Scaled-up Electrode Polarization Model Integrated with Vehicle Simulator Ying Shi, PhD <i>NREL</i>
9:30 am	Advanced research into post-Li ion battery in Toyota Research Institute of North America (TRINA) Kensuke Takechi, PhD Executive Engineer <i>Toyota</i>	2:00 pm	Analysis of Electrode Design Parameters on the performance of a Li-ion Battery Meng Xu <i>Oakland University</i>
10:00 am	William Clauhs President <i>Johnson Matthey</i>	2:30 pm	Graphene-Enhanced Advances in Battery Pack Thermal Management Rob Privette, <i>XG Sciences, Inc.</i> James Piñón <i>Hybrid Design Services, Inc.</i>
10:30 am	Break	3:30 pm	Break
11:00 am	Christopher Chadwell Manager <i>Southwest Research Institute</i>	4:00 pm	Development of Nickel Zinc Technology for Military and Civilian Energy Storage Applications Rhodri Evans, PhD Stephen Vechy, Andrew Loyns, Scott Lichte, Christian Oettel, Alfonso Pensado, Borislav Leshtanski <i>EnerSys</i>
11:30 am	Krishna Kamasamudram, PhD Technical Advisor <i>Cummins</i>	4:30 pm	Can Solid-State Electrolytes Enable the Next Generation Energy Storage Technologies? Jeff Sakamoto, PhD, Travis Thompson, PhD, Asma Sharafi, Regina Garcia, and Nathan Taylor, PhD University of Michigan
12:00 pm	Powertrain System Optimizations Beyond Final Tier 4 Danan Dou, PhD Manager <i>John Deere</i>	5:00 pm	Session Adjourned
12:30 pm	Session Adjourned & Lunch		

To **register and exhibit** call (734) 997-9249, email to info@gamcinc.org or Fax (734) 786-2242.

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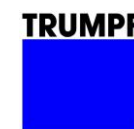
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Battery Congress 2016

Global Automotive Management Council (GAMC) www.gamcinc.org

MSU Management Education Center, May 16 - 18, 2016

811 W. Square Lake Rd. Troy, MI 48098

Program Wednesday, May 18, 2016

Registration 8:30am – 9:00 am

<p>Battery Materials & Energy Technology Development <i>Room: Room 104 - 9:00 am to 12:30 pm</i> Program Co-Chairs:: Rana Mohtadi, PhD Senior Researcher <i>Toyota</i> Xingcheng Xiao, PhD Staff Research Scientist <i>General Motors</i> Oliver Gross Manager <i>Fiat Chrysler Automobiles</i></p>		<p>Battery Manufacturing – Processes & Systems Integration <i>Room: Room 104 - 1:30 pm to 5:00 pm</i> Program Chair: Wayne Cai, PhD Staff Researcher <i>General Motors</i></p>	
9:00 am	<p>Exploring Interfaces and Interphases for the Post Li-Ion Battery World Timothy Arthur, PhD <i>Toyota</i></p>	1:30 pm	<p>Scaling up U.S. Battery Manufacturing: Challenges and Opportunities Robert Young <i>XALT Energy</i></p>
9:30 am	<p>Sodium Manganese Oxides for Advanced Energy Storage Xuan Zhou, PhD <i>Kettering University</i></p>	2:00 pm	<p>Delayed Thermal Response in Batteries Henry Catherino, PhD <i>Oakland University</i></p>
10:00 am	<p>In-situ Monitoring Nanomechanical Changes of High-Capacity Battery Materials Mark Cheng, PhD <i>Wayne State University</i></p>	2:30 pm	<p>The Manufacturing Realities of Getting Beyond Li-Ion for Automotive Renata Arsenault <i>Ford Motor Company</i></p>
10:30 am	Break	3:00 pm	Break
11:00 am	<p>Porous Si Materials for Electrochemical Energy Storage Fang Dai, PhD <i>GM R&D Center</i></p>	3:30 pm	<p>Laser Applications Overview and New Trends in Automotive Lithium - Ion Battery Manufacturing Pierson Cheng <i>TRUMPF</i></p>
11:30 am	<p>Synergetic Effects of Inorganic Components in Solid Electrolyte Interphase on High Cycle Efficiency of Lithium Ion Batteries Qinglin Zhang, PhD <i>University of Kentucky</i></p>	4:00 pm	<p>Wire Bonding of Heavy Al or Heavy Cu Wire for Battery Applications Mike McKeown, Michael Broekelmann, PhD, Dirk Siepe, PhD <i>Hesse Electronics</i></p>
12:00 pm	<p>Multifunctional Energy Storage Composites - Design, Fabrication & Experimental Characterization Purim Ladpli, Raphael Nardari, Yinan Wang, Fotis Kopsaftopoulos, Fu-Kuo Chang <i>Stanford University</i></p>	4:30 pm	<p>Robustness Study of Laser Braze-Welding Process Pascal Schmalen, Peter Plapper, <i>University of Luxemburg</i> Wayne Cai, PhD, Teresa Rinker, Ph.D <i>General Motors</i></p>
12:30 pm	Session Adjourned & Lunch	5:00 pm	Session Adjourned

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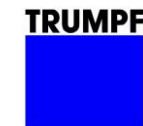
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