



Wednesday, May 23, 2018

AM Session	Plenary & Keynote: Clean Air & Emission Solution Pathways Session Co-Chairs: Hank Sullivan Director <i>Tenneco</i> Ted Asako Product Development Manager <i>NGK - Detroit</i>	PM Session	Design, Engineering, and Systems Optimization Session Chair: Xingcheng Xiao, PhD Staff Research Scientist <i>General Motors</i> Warren Parsons Chief Architect <i>General Motors</i>
Time	Room VT 425	Time	Room VT 445
9:00 am	Introduction & Welcome Hank Sullivan Director <i>Tenneco</i>	1:30 pm	Advancing Lithium-Sulfur Battery Mei Cai <i>General Motors</i>
9:15 am	Powertrain Evolution: The Changing Face of Transport Andy Walker, Louise Arnold, PhD <i>Johnson Matthey</i>	2:15 pm	Modeling the Effect of Charging Strategy on Thermal Behavior and Charging Energy Efficiency of a Lithium Ion Battery Meng Xu, Xia Wang <i>Oakland University</i>
9:45 am	SCR Based After Treatment Architectures for Low Tailpipe N2O Emissions Krishna Kamasamudram, PhD, Ashok Kumar, PhD, Yadan Tang, PhD, Aleksey Yezerets, PhD <i>Cummins</i>	2:45 pm	Computer Accelerated Materials Discovery for Post Lithium-Ion Battery Chen Ling <i>Toyota</i>
		3:15 pm	Break
10:15 am	0.02 and Beyond Cary Henry, PhD <i>Southwest Research Institute</i>	3:45 pm	High Voltage Electrolyte Based on Fluorinated Compounds for High Voltage High Energy Li-ion Chemistry Meinan He, PhD <i>General Motors</i>
10:45 am	Break		
11:15 am	2018 Bolt EV Warren Parsons, Mike Sigelko <i>General Motors</i>	4:15 pm	Lithium Ion Battery Safety Testing and Thermal Management with Carbon Fiber Michael Mo <i>KULR Technology</i>
		4:45 pm	How Nano-Coatings Could Be the Best and Worst Thing to Happen to Li-ion. James Trevey, PhD <i>Forge Nano</i>
11:45 am	Enablers and Barriers to xEV Implementation Ted Miller, PhD <i>Ford</i>		
12:15 am	Q&A Panel Discussion		
12:30 pm	Session Adjourned & Lunch	5:30 pm	Adjournment and Leave for TRUMPF 



Thursday, May 24, 2018

AM Session	Battery Materials & Energy Technology Development Session Chair: Xingcheng Xiao, PhD Staff Research Scientist General Motors	PM Session	Battery Manufacturing Session Chair: Wayne Cai, PhD Staff Researcher General Motors
Time	Room VT 445	Time	Room VT 445
9:00 am	Bio-Inspired Synthesis of Nanostructures for Rechargeable Batteries Da Deng, PhD Wayne State University	1:00 pm	Laser Welding Dissimilar Materials for Battery Production Michael Nardozzi IPG Photonics
9:30 am	In-situ Monitoring Methods of LLZO Robert Schmidt, PhD General Motors		
10:00 am	Investigation of the Critical Role of Polymeric Binders for Silicon Electrodes in Lithium-ion Batteries Jiagang Xu, PhD Optimal CAE LLC	1:30 pm	Innovative Approaches in Li-ion Battery Cell Manufacturing Gary Voelker Miltec UV
10:30 am	Break	2:00 pm	Advanced Welding Technologies for Li-ion Materials Mark Boyle, PhD Amada Miyachi America
11:00 am	Conformal Vaporous Deposition of Organic-Inorganic Li Ionic Conductor for Robust Lithium Metal Anodes Qiangfeng Xiao, PhD General Motors	2:30 pm	Break
		3:00 pm	Laser Material Processing Innovations within eMobility Anthony Prugar TRUMPF
11:30 am	Battery Technology Research – Mercedes-Benz Perspective Tobias Glossmann, PhD Mercedes-Benz	3:30 pm	Vibration Matters in Li-ion Battery Joining Wayne Cai, PhD General Motors
12:00 pm	Session Adjourned & Lunch	4:00 pm	Adjournment & Leave for IPG 

Registration Form



FEE SCHEDULE FOR REGISTRANTS

General Registration Fee is \$1795 (*Access to sessions for all days of the conference; also includes an access to the ACC 2018 Livonia Library for the available abstracts, papers and presentations for one month starting 5 – 10 days after the conclusion of the event, coffee breaks, lunch(es), reception, and access to the exposition*) Login information will be delivered to you via email.

- General Registration/Co-Author Registration Fee is \$1795
- Authors, Chairs, and Director of Global Automotive Management Council Registration Fee is \$795
- Faculty Registration (NO online library access) is \$650
- Graduate Student Registration (NO online library access) is \$450

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I will attend the Open House on: May 23rd

I will attend the Open House on: May 24th

I will attend the CONFERENCE and EXHIBITS on: May 23rd May 24th

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

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

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Mail or Fax Registration Form to: Global Automotive Management Council, 5340 Plymouth Road, Suite 205, Ann Arbor, MI 48105, USA. FAX: (734) 786-2242 EMAIL: tareku@gamcinc.com REFUND POLICY: Refunds are available with a 50% surcharge until 60 days before the conference. In addition, a \$35 administrative fee will be charged. Refunds are no longer available in the 60 days prior to the conference date. All returned checks receive a \$25 fee. Prices subject to change.

Online Registration Available at www.gamcinc.com.