

Battery Congress 2019

June 5 - 6, 2019

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(734) 997 – 9249

VisTaTech Center at Schoolcraft College
 18600 Haggerty Road
 Livonia, Michigan 48152-2696
 Registration: 8:30am – 9:00am, Main Street

Wednesday, June 5, 2019

AM Session	Plenary & Keynote: Clean Air & Emission Solution Pathways Session Co- Chairs: Hank Sullivan Director Engineering <i>Tenneco</i> Jim McCarthy, PhD Chief Engineer <i>Eaton</i>	PM Session	Design, Engineering, and Systems Optimization Session Chair: Kent Snyder Technical Expert and Theme Leader <i>Ford</i>
Time	Room VT 425	Time	Room VT 445
9:00 am	What Does the Future Hold for the Global Passenger Car and Commercial Vehicle Markets as the World Moves Towards Decarbonization? Andy Walker, PhD <i>Johnson Matthey</i>	1:45 pm	Electric Vehicle Challenges with Circuit Protection as Voltages and Charging Rates Increase Kevin Calzada <i>Eaton eMobility</i>
9:30 am	Alternate Routes on the Battery Electrification Development Highway Kent Snyder <i>Ford</i>	2:30 pm	Enabling Fast Charging: Approaches from Upstream to Downstream Minghong Liu, PhD <i>Ford</i>
10:00 am	Commercial Vehicle Powertrains in the Era of Simultaneous NOx and CO2 Reduction Mihai Dorobantu, PhD <i>Eaton</i>		
10:45 am	Break	3:00 pm	Break
11:15 am	Progress Towards Meeting Low NOx Targets – 0.02 g/hp-hr NOx and NOx Reductions on Low Load Cycles Chris Sharp, PhD <i>SWRI</i>	3:30 pm	Coupled Challenges and Opportunities in Battery Thermal Management, High Voltage Configurations, and Aggressive Charging Brian Robert, PhD <i>Ford</i>
11:45 am	The Achievements of Euro VI and the Future of NOx & CO2 Standards in Europe Alex Wood <i>Argus</i>	4:00 pm	Lessons Learned from Analyzing Thousands of Returned EV Battery Packs Dirk Spiers <i>Spiers New Technology</i>
12:15 pm	Chinese Emissions Regulations & Progress of EV Reggie Zhan, PhD	4:30 pm	Exhibit Walkthrough
12:45 pm	Session Adjourned & Lunch	5:00 pm	Adjournment

Thursday, June 6, 2019

AM Session	Cell Design & Engineering Session Chair: Xingcheng Xiao, PhD Staff Research Scientist General Motors	PM Session	Battery Manufacturing Session Chair: Teresa Rinker, PhD General Motors Mark Boyle, PhD AMADA MIYACHI AMERICA, Inc.
Time	Room VT 445	Time	Room VT 445
9:00 am	A Scalable Dry-Powder Spraying Technology on Manufacturing Lithium-Ion Batteries Jin Liu, PhD General Motors	1:30 pm	Battery Manufacturing: Recent Past, Present Status, and Future Outlook Renata Arsenault Ford
9:30 am	Interface Design Challenges for All-Solid-State Batteries Yue Qi, PhD Michigan State University	2:00 pm	Cell Manufacturing Science of Ni-Rich/Low-Co Cathodes for High-Energy and High-Power Lithium-Ion Batteries David Wood, PhD Oak Ridge National Lab
10:00 am	Process Scale-up Research of Advanced Battery Materials Youngmin Chung, PhD Argonne National Laboratory	2:30 pm	Comparison of Technologies for Battery Pack Manufacturing - Resistance Welding and Laser Welding Mark Boyle, PhD AMADA MIYACHI AMERICA, Inc.
10:30 am	Break	3:00 pm	Break
11:00 am	Opportunities and Challenges of Lithium-Ion Battery Recycling Kunal Phalpher Li – Cycle	3:30 pm	Laser Technology Applications and Advantages within Battery Manufacturing Ray Ponder TRUMPF
11:30 am	Safe and High Performance Li/NMC Batteries Shuru Chen, PhD General Motors	4:00 pm	Advanced Technology Platforms for Manufacturing Next Generation Battery Materials Jessica Durham, PhD Argonne National Laboratory
12:00 pm	Battery System Modeling in a Plug-in Electric Vehicle Xiaohui Li, PhD, Meng Yao, Lingpei Zhu, Chenzhi Ouyang, Ninghua Kong, Xiayi Yuan, Jin Shang, Bozhi Yang GAC Silicon Valley R&D Center	4:30 pm	Lasers and Systems for Battery Pack Manufacturing Mark Boyle, PhD AMADA MIYACHI AMERICA, Inc.
12:30 pm	Session Adjourned & Lunch	5:00 pm	Adjournment

Registration Form



FEE SCHEDULE FOR REGISTRANTS

General Registration Fee is \$1,795.00 (*Access to sessions for all days of the conference; also includes an access to the Battery Congress 2019 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), and access to the exposition*) Login information will be delivered to you via email.

- General Registration/Co-Author Registration Fee is \$1,795.00
- Authors, Chairs, and Director of Global Automotive Management Council Registration Fee is \$795.00
- Faculty Registration (NO online library access) is \$650.00

PLEASE PRINT OR TYPE (ALL FIELDS REQUIRED)

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Please indicate by an "X" in the appropriate blank box (es).

I will attend the CONFERENCE and EXHIBITS on: June 5 June 6

PAYING BY CHECK: (*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\$ _____

Mail, Fax or Email Registration Form to: Tarek Uddin, Business Development Manager, tareku@gamcinc.com, 5340 Plymouth Road, Suite 205, Ann Arbor, MI 48105, USA. FAX: (734) 786-2242. REFUND POLICY: Refunds are available with a 50% surcharge until 60 days before the conference. In addition, a \$35.00 administrative fee will be charged. Refunds are no longer available in the 60 days prior to the conference date. All returned checks receive a \$50.00 fee. Prices subject to change.

Online Registration Available at www.gamcinc.com

Comments: _____

How did you hear about us? _____