

Emissions 2016

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

MSU Management Education Center, May 16 - 18, 2016

811 W. Square Lake Road, Troy, MI 48098

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
Program Tuesday, May 17, 2016 Registration 8:30am – 9:00 am	
Plenary & Keynote: Clean Air & Emission Solution Pathways Room: Amphitheater 101 - 9:00 am to 12:30 pm Session Chair: Hank Sullivan Director - Analysis, Validation, and Systems Test, Clean Air Division <i>Tenneco</i>	Emissions Modeling & Testing Room: Amphitheater 101 – 1:30 pm to 5:00 pm Session Co-Chairs: Ted Asako Supervisor of Product Development, <i>NGK Ceramics</i> Gordon Bartley, PhD Principal Scientist, <i>Southwest Research Institute</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 On-Board Emissions Measurements Imad Khalek, PhD Vinay Premnath, PhD <i>Southwest Research Institute</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 Simulation and Analysis of After-Treatment Systems (ATS) for Opposed Piston Engines Fabien Redon Achatés Power Balaji Sukumar, PhD, Andy Walker <i>Johnson Matthey</i>
10:00 am William Clauhs President <i>Johnson Matthey</i>	2:30 pm Role of CFD in Marine SCR System Design Manoj Sampath, Meng-Huang Lu, PhD, Figen Lacin, PhD <i>Tenneco Inc,</i>
10:30 am Break	3:00 pm Break
11:00 am Christopher Chadwell Manager <i>Southwest Research Institute</i>	3:30 pm Magnetic Resonance Imaging for Investigating Diesel Particulate Filters Andrew York, PhD, Nicholas Ramskill, Lynn Gladden, Andrew Sederman, Timothy Watling, Athanasios Tsolakis, José Herreros, Isaline Lefort <i>Johnson Matthey</i>
	4:00 pm Product Validation and Reliability Demonstration for Vehicle Aftertreatment Components and Systems Zhigang Wei, Limin Luo, Jason Hamilton, Bob Rebandt, Hank Sullivan <i>Tenneco Inc</i>
11:30 am Krishna Kamasamudram, PhD Technical Advisor <i>Cummins</i>	4:30 pm Development of Predictive Tools for Achieving Lightweight Vehicle Exhaust Systems Zhigang Wei, Bradley Fingland, PhD, Tony Quan, PhD <i>Tenneco Inc</i>
12:00 pm Powertrain System Optimizations Beyond Final Tier 4 Danan Dou, PhD Manager <i>John Deere</i>	
12:30 pm Session Adjourned & Lunch	5:00 pm Adjournment

To **register and exhibit**
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Program Wednesday, May 18, 2016

Registration 8:30am – 9:00 am

Catalytic Reduction <i>Room: Amphitheater 101 - 9:00 am to 12:30 pm</i> Session Chairs: Louise Arnold, PhD Director, <i>Johnson Matthey</i>		Systems Optimization <i>Room: Amphitheater 101 - 1:30 pm to 4:30 pm</i> Session Chair: Krishna Kamasamudram, PhD Technical Advisor, <i>Cummins</i>	
9:00 am	Effect of Urea-Related Deposits in SCR Systems on PM Emissions Svitlana Kroll, Robert Fanick, PhD, Scott Eakle <i>Southwest Research Institute</i>	1:30 pm	Challenge for CO2 Reduction through High Efficiency Heavy-Duty Diesel Engine and Vehicle Developments in Japan Hideki Kato, PhD <i>Hino Motors Manufacturing USA, Inc.</i>
9:30 am	Selective Catalytic Reduction (SCR) Regulatory Impact on Vessel Operation Ginette Anderson and Tom Spinks <i>Tenneco Inc</i>	2:00 pm	GPF Performance under Different Operation Conditions Zhuqi Wang <i>NGK Ceramics</i>
10:00 am	Particle Mass Emissions of a PFID-EGR® Engine Raphael Gukelberger, Terrence Alger, Jess Gingrich <i>Southwest Research Institute</i>	2:30 pm	A Novel Sample System for Collecting Semi-Volatile Organic Compounds (SVOC) from the Modern Light-Duty Vehicles Robert Fanick, PhD, Svitlana Kroll <i>Southwest Research Institute</i>
10:30 am	Break	3:00 pm	Break
11:00 am	Chemical deSOx – An effective Way to Recover Cu-zeolite SCR Catalysts from Sulfur Poisoning Ashok Kumar, PhD <i>Cummins</i>	3:30 pm	Vehicle and Drive Cycle Simulation of a Vacuum Insulated Catalytic Converter Rohil Daya, Maneet Singh, John Hoard <i>University of Michigan</i> Sreedhar Chanda <i>Benteler Automotive Corp.</i>
11:30 am	Rapidly Pulsed Reductants in Diesel NOx Reduction by Lean NOx Traps Amin Reihani, Benjamin Corson, John Hoard, Galen Fisher, PhD <i>University of Michigan</i> Evgeny Smirnov, Dirk Roemer, PhD, Joseph Theis, PhD, Christine Lambert, PhD <i>Ford</i>	4:00 pm	Cost Saving Strategies and Approaches for Developing Vehicle Exhaust Components and Systems Zhigang Wei, PhD, Jason Hamilton, Limin Luo, Robert Rebandt, Henry Sullivan <i>Tenneco</i>
12:00 pm	Thermodynamic Implications of Emissions Constraints on SI Combustion Martin Wissink, PhD <i>Oak Ridge National Laboratory</i>	4:30 pm	Session Adjourned
12:30 pm	Session Adjourned & Lunch		

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Emissions 2016 Registration Form

FEE SCHEDULE FOR REGISTRANTS

General Registration Fee is \$1295 (Access to sessions for all days of the conference; also includes an access to the **Emissions Library** for abstracts, papers and presentations for one month starting 5 – 10 days after the event, coffee breaks, two lunches, the reception, and access to the exposition)

- General Registration Fee is \$1295
- Co-Author Registration Fee is \$695
- Authors, Chairs, and Director of GAMC, Registration Fee is \$595
- Faculty Registration (NO online library access) is \$450
- Graduate Student Registration (NO online library access) is \$250

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