

## Wednesday, June 5, 2019

| AM Session | Plenary & Keynote: Clean Air & Emission Solution Pathways<br>Session Co- Chairs: Hank Sullivan<br>Director Engineering<br><i>Tenneco</i><br>Jim McCarthy, PhD<br>Chief Engineer<br><i>Eaton</i> | PM Session | Emissions Product Design & Testing<br>Session Chair: Krishna Gunugunuri, PhD<br>Research Scientist<br><i>Toyota</i><br>Tsuyoshi Asako<br>Manager<br><i>NGK - Detroit</i>              |
|------------|---|------------|---|
| Time       | Room VT 425   | Time       | Room VT 425   |
| 9:00 am    | <b>What Does the Future Hold for the Global Passenger Car and Commercial Vehicle Markets as the World Moves Towards Decarbonization?</b><br>Andy Walker, PhD<br><i>Johnson Matthey</i>          | 1:45 pm    | <b>Meeting Future Low Load Emissions Using Cylinder Deactivation and EGR Pumps to Achieve Simultaneous NOx and CO2 Reduction - Keynote</b><br>James McCarthy Jr., PhD<br><i>Eaton</i> |
| 9:30 am    | <b>Alternate Routes on the Battery Electrification Development Highway</b><br>Kent Snyder<br><i>Ford</i>  | 2:30 pm    | <b>Simulation of a HD Aftertreatment System Under Sustained Low-Load Conditions</b><br>Tom Harris, PhD<br><i>Tenneco</i>  |
| 10:00 am   | <b>Commercial Vehicle Powertrains in the Era of Simultaneous NOx and CO2 Reduction</b><br>Mihai Dorobantu, PhD<br><i>Eaton</i>  | 3:00 pm    | Break   |
| 10:45 am   | Break   | 3:30 pm    | <b>Evolving Emissions Challenges and Aftertreatment Solutions</b><br>Krishna Kamasamudram, PhD<br><i>Cummins</i>  |
| 11:15 am   | <b>Progress Towards Meeting Low NOx Targets – 0.02 g/hp-hr NOx and NOx Reductions on Low Load Cycles</b><br>Chris Sharp, PhD<br><i>SWRI</i>   | 4:00 pm    | <b>Reducing Criteria Pollutants and Greenhouse Gases Simultaneously</b><br>John Major<br><i>Achates Power</i>   |
| 11:45 am   | <b>The Achievements of Euro VI and the Future of NOx &amp; CO2 Standards in Europe</b><br>Alex Wood<br><i>Argus</i>   | 4:30 pm    | <b>Component and System Level Study of DOC on CSF for Heavy Duty Applications</b><br>Sharan Sethuraman, PhD<br><i>Johnson Matthey</i>   |
| 12:15 pm   | <b>Chinese Emissions Regulations &amp; Progress of EV</b><br>Reggie Zhan, PhD   |            |   |
| 12:45 pm   | Session Adjourned & Lunch   | 5:00 pm    | Adjournment   |

## Thursday, June 6, 2019

| AM Session | Catalytic Reduction<br>Session Chair: Louise Arnold, PhD<br>Director<br><i>Johnson Matthey</i>   | PM Session | Systems Optimization<br>Session Chair: Krishna Kamasamudram, PhD<br>Technical Advisor<br><i>Cummins</i><br>Ashok Kumar, PhD<br>Technical Advisor<br><i>Cummins</i>  |
|------------|--|------------|---|
| Time       | Room VT 425  | Time       | Room VT 425   |
| 9:00 am    | <b>Direct NO Decomposition over Transition Metal Oxide Catalysts</b><br>Krishna Gunugunuri, PhD<br><i>Toyota</i>   | 1:00 pm    | <b>Real-Time Diesel and Gasoline Aftertreatment System Control and Diagnostics Using Radio Frequency Sensors</b><br>Paul Ragaller, PhD<br><i>CTS Corporation</i>  |
| 9:30 am    | <b>Electrocatalysis for Energy Storage and Chemical Synthesis</b><br>Samji Samira, PhD<br><i>Wayne State University</i>  | 1:30 pm    | <b>Understanding the Real Life Impact on Heavy Duty Diesel Aftertreatment Systems</b><br>Manasa Sridhar, PhD, Reto Schlegel, PhD, Evangelos Katsaounis, PhD<br><i>FPT Industrial, Arbon, Switzerland</i><br>Davide Rodonó, PhD<br><i>FPT Industrial, Turin, Italy</i> |
| 10:00 am   | Break  | 2:00 pm    | <b>Advances in the Simulation of Combined DPF and SCR Catalyst</b><br>Waldemar Linares, PhD<br><i>AVL Powertrain Engineering</i>  |
| 10:30 am   | <b>Effects of Dual Port Injection and Direct-Injection Technology on Combustion Emissions from Light-Duty Gasoline Vehicles</b><br>Robert Fanick, PhD<br><i>Southwest Research Institute</i> | 2:30 pm    | Break   |
|            |  | 3:00 pm    | <b>Urea Deposit Simulation on SCR Mixer Design</b><br>Meng-Huang Lu, PhD, Figen Lacin, PhD<br><i>Tenneco</i>  |
| 11:00 am   | <b>Pyrochlore Type Catalysts for Low Temperature Automotive Exhaust Abatement</b><br>Devendra Pakhare, PhD, Jeffery Harrison, PhD<br><i>Pyrochem Catalyst Company</i>                        | 3:30 pm    | <b>Gasoline Particulate Filter Market Continued Development and System Integration</b><br>Michael Howard, PhD<br><i>Johnson Matthey</i>   |
| 11:30 am   | <b>SCRonDPF Substrate Design Improvement for Upcoming Tighter Regulation</b><br>Tsuyoshi Asako<br><i>NGK – Detroit</i>   | 4:00 pm    | <b>Historical View of Aftertreatment Technologies to Address Emissions Challenges</b><br>Ashok Kumar, PhD<br><i>Cummins</i>   |
| 12:00 pm   | Session Adjourned & Lunch  | 4:30 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 Emissions 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

PLEASE PRINT OR TYPE (ALL FIELDS REQUIRED)

The address you provide must be the **billing address** associated with the account

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|---|---------|--------------------------|
| I'd like to receive email communications about this and future GAMC events: |         | <input type="checkbox"/> |
| Full Name:  |         |                          |
| Position:   |         |                          |
| Organization:   |         |                          |
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| Expiration Date:  |         |                          |
| CVC:  |         |                          |
| Amount:   |         |                          |
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| Phone (Office):   | Mobile: |                          |
| Signature: X  | Date:   |                          |

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

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|---|--------|--------------------------|--------|--------------------------|
| I will attend the CONFERENCE and EXHIBITS on: | June 5 | <input type="checkbox"/> | June 6 | <input type="checkbox"/> |
|---|--------|--------------------------|--------|--------------------------|

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](mailto: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](http://www.gamcinc.com)

Comments: \_\_\_\_\_

How did you hear about us? \_\_\_\_\_