



# Thermal Management Digital Summit

## CALL FOR PRESENTATIONS

October 12 – 14, 2021

Thermal management is a critical driver of vehicle performance, durability, and cost. Its scope includes vehicle propulsion systems (ICE, hybrid, and electric), batteries, cabin comfort, waste heat recovery, energy efficiency, and emissions control. The Thermal Management Digital Summit brings together key stakeholders from OEMs, suppliers, and academia to share their knowledge and vision to deliver the future of the automobile from a thermal standpoint. Speaking at the event will establish you as a subject matter expert while helping advance the field of thermal management for the automotive industry.

Presentations are invited in several thermal management areas, including: battery thermal performance, electric vehicle range and charging impacts, cooling of electronic components, ICE powertrain thermal performance, emissions after-treatment and waste heat recovery enhancements, compact heat exchangers, cabin and passenger comfort, refrigerant systems, heat exchangers and intelligent control devices, vehicle underhood and underbody temperature assessment and packaging. The digital summit will also consider the latest developments in physical testing, integration of cooling with climate control, simulation software, and optimization of control system strategies based on thermal requirements.

### Topics Under Consideration

- o Automotive Thermal Systems and Components
- o Thermal Systems for Hybrid and Electric Vehicles
- o Thermal Systems for Autonomous and Connected Vehicles
- o Autonomous Interior Climate Management
- o Thermal Systems for Fuel Cells Vehicles
- o Thermal Systems for Commercial and Off-Road Vehicles
- o Vehicle Climate Control and Thermal Comfort including Cabin Air Quality and Human Factors
- o Vehicle Underhood and Underbody Thermal Management
- o Thermal Management Strategies
- o Thermal Modeling and Simulations
- o Powertrain Energy Management
- o Waste Heat Recovery
- o Regulatory Topics
- o Developments in Alternative Refrigerant Systems, including R-744, R-123yf, and other refrigerants

Panel Discussions with Senior Industry Experts will also be included in the technical program.

## How to Submit an Abstract

# Submit Abstract

Abstracts must be submitted online to only ONE session.

\*Approval to publish will be based on an organizer-moderated peer review of a PowerPoint Presentation.

### TENTATIVE Deadlines

- Portal for submitting abstracts open: November 1, 2021
- Abstracts Due for Presentations: March 15, 2021
- Draft PPT Presentations due for Oral Only presentations: June 15, 2021
- Organizer Feedback on PowerPoint for Oral only presenters: July 16, 2021
- Final PowerPoint due for organizer approval: August 15, 2021
- Provide final .mp4 file with recorded presentation to SAE: August 31, 2021
- Final presentations due to be uploaded to MyTechZone: August 31, 2021

For questions, contact  
Brandie Schandelmeier  
SAE International  
+1.724.772.7191  
[brandie.schandelmeier@sae.org](mailto:brandie.schandelmeier@sae.org)

## Publishing with SAE International's Scholarly Journals

Submissions are now being solicited for a special issue of *SAE International Journal of Passenger Cars: Mechanical Systems*, which will be tied to papers presented at TMSS 2021. In addition to regular journal articles, technical papers will be considered for this special issue. If not appropriate for journal publication, a paper may still be published through our written-only technical paper portal, but should first be submitted through the journal portal. Only papers to be presented at TMSS 2021 should be submitted for consideration in this special issue. If not presented at TMSS 2021, accepted manuscripts will be transferred to a regular issue of the journal.

<https://www.editorialmanager.com/saejpasscarsmech>