



Thermal Management Systems Symposium

October 2-3, 2024 | Plymouth, Michigan (USA)

The Call for Presentation Portal is now open until April 26, 2024!

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 Systems Symposium (TMSS) 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.

TMSS Organizers are inviting technical presentations 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 as well as 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

- Thermal Systems for
 - Hybrid and Electric Vehicles
 - Autonomous and Connected Vehicles
 - Fuel Cells Vehicles
 - Commercial and CON/AGG Vehicles
 - Batteries
- Vehicle Systems
 - Autonomous Interior Climate Management
 - Cabin Air Quality & Human Factors
 - Underhood and Underbody
 - Thermal Management
 - Thermal Management Strategies
 - Thermal Modeling and Simulations
 - Powertrain Energy Management
 - Waste Heat Recovery
 - Automotive Thermal Systems and Components
- Regulatory
- Alternative Refrigerant Systems (R-744, R-123yf, other refrigerants)

Abstract and PowerPoint presentation acceptance are based upon an extensive organizer review process. See “how to submit” for details.

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

How to submit an abstract

Each abstract must be submitted online to only ONE session.

Limit One Abstract Submission Per Individual

Abstract and presentation acceptance will be based on an organizer peer review.

Due to limited agenda space, not all submissions will receive podium time. Individuals not selected will be asked to participate in the “chat with expert” activity as part of the event programming.

Abstracts must include:

1. Tentative title
2. Summary that states objective of presentation.
3. Name of author and co-authors with all contact information
4. Selection of most appropriate technical session

Submission Deadlines

- Abstracts due: **April 26, 2024**
- Draft PowerPoint due: **June 3, 2024**
- Organizer feedback due to presenters: **June 28, 2024**
- Revised PowerPoint presentation due for organizer approval: **July 12, 2024**
- Final approval of Presentations: **August 1, 2024**
- Speakers register to confirm participation: **August 8, 2024**

Upon submission, you will receive an automatic reply with a presentation offer number. If you do not receive a number, please retry the submission or contact Danielle.Rohal@sae.org.

Need Help?

Contact Danielle Rohal at
+1.724.772.4008 or
Danielle.Rohal@sae.org for assistance.

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