



SAE INDIA –TTTMS (Think Tank for Thermal Management Systems)
Symposium & Exhibition - 2019
2nd & 3rd May' 2019

Venue: Marriot Resort, Jaisalmer (Rajasthan) 345001

SAEINDIA

SAEINDIA The Engineering Society
For Advancing Mobility
Land Sea Air and Space
NORTHERN SECTION

EVENT-AT-A-GLANCE

**DAY-1 (2nd May 2019)
THURSDAY**

08:00 - 08:45 AM

Breakfast & Registration

08:45 - 09:00 AM

Inaugral Session (Lamp illumination by Chief Guests followed by opening speech of Mr. Dinesh Tyagi (SAENIS & ICAT)

09:00 - 09:30 AM

Theme: Future Thermal Technologies
Key Note Speakers - Mr. Kadle Prasad (SAE Fellow and EA, Subros Ltd.)
TTTMS Theme Speaker - Mr. SH Kapoor (TML)

09:30 - 10:00 AM

Technical Session - Real Drive Emission (RDE)
by Ms. Pamela Tikku (ICAT)

10:00 - 10:30 AM

Technical Session -CAFE (Corporate Average Fuel Economy)
by Mr. Anoop Bhat (MSIL)

10:30 - 11:00 AM

Advanced Powertrain Solutions to Meet CAFE Norms under RDE Conditions
by Mr. Selvaraji Muthu (MAHLE, India)

11:00 - 11:30 AM

Networking Break

11:30 - 12:00 PM

EVTMS (EV Thermal Management Systems)
by Mr. Tarun (Pranav Vikas)

12:00 - 12:30 PM

Traction Cooling System (TCS) Performance Optimization to Enhance Energy Efficiency of Electrical Vehicles
by Mr. Mohit Varma, Mr S.H.Kapoor, Sambhaji Jaybhay (Tata Motors)

12:30 - 01:00 PM

Battery Thermal Management and Traction Cooling System Optimization
By Mr. Saurabh Suman, Mr. Yogendra Kushwah, Mr. A.K. Goel, Mr. Mayank Goel. (Subros Ltd.)

01:00 - 02:00 PM

Lunch Break

02:00 - 02:30 PM

Methodology for an Electric Vehicle Traction Motor & Auxiliary Power Electronic Components Thermal System Design and Development
by Mr. Ramaya Nannam, Mr. Kiran.N (Ashok Leyland)

02:30 - 03:00 PM

Impact of using Advanced Glazing Glass in Automobile in terms of Climate Performance and Fuel Economy
By Mr. Somnath Sen (Subros technical Centre), Mr. Rahul Nihanj (AIS India)

03:00 - 03:30 PM

1D Vehicle Thermal Simulation Accuracy Enhancement by Modelling Non-uniform Airflow over Coolpack
by (Mr.Santosh Venu, Mr S.H.Kapoor, Sambhaji Jaybhay (Tata Motors)

03:30 - 04:00 PM

IC-VDC Modelling in 1D CAE to Predict Mobile Air Conditioning System Thermal Performance
by Kiran Kadam, Mr S.H.Kapoor, Sambhaji Jaybhay (Tata Motors)

04:00 - 04:30 PM

Networking break

04:30 - 5:00 PM

Optimization of an Automotive AC System by Selection of the Mass Flow Control Valve for a Variable Displacement Compressor using 1D Modelling Approach
by Mr. Ankur Saxena, Mr. Sarveshwar Mulamalla, Mr. Anugu Anil Kumar, Mr.A.Prabhakaran (Mahindra & Mahindra)

05:00 - 05:30 PM

Approach to enhance occupant thermal comfort in the cabin of a truck;
By: Suresh Tadigadapa, Santosh Latane, Rohan Pradhan (Tata Motors)

05:30 - 06:00 PM

Design of Plate Heat Exchangers for Electrical Vehicle Thermal Management System
by Mr. Yuji Yamamoto, Mr. Sanjay Chawla, Mr. Roshan Kumar, Mr. Bharat Kumar, Mr. Vijay Raghvan, Mr. Govindaraj.D, (Pranav Vikas)

06:00 - 06:30 PM

Networking Break

06:30 - 07:00 PM

Design and Development of Mechanism for Seat Thermal Comfort in Passenger Vehicles Utilizing the Air Conditioning System
by Mr.Prabhakaran A, Mr. N.S Balaj, Mr.Shreekanth Srivastava, Mr. S Karthikeyan, Mr.Manoj Pande (Mahindra & Mahindra)

07:00 PM - 07:30 PM

Networking Break, Followed by Gala Dinner @9 PM

Networking Session

Technical Session

DAY- 2 (3rd May 2019)

FRIDAY

08:00 - 08:45 AM
Breakfast & Registration

08:45 - 09:05 AM
Key Note Speaker - Future Challenges and Opportunities for Thermal management Systems stakeholders by: Mr. Prabhakaran (Mahindra & Mahindra)

09:05 - 09:25 AM
Technical Session - India Cooling Action Plan by R S Agrawal (Advisor: MOEFCC & Ozone Cell)

09:25 - 09:45 AM
Technical Session - New and/or Alternate Refrigerant by Mr. Hemango Gupta (SRF)

09:45 - 10:15 AM
Meeting India's Kigali Amendment Commitments - Going beyond The Climate Imperative by Ms. Shikha (CEEW)

10:15 - 10:45 PM
Development and Prediction of Vehicle Windshield Demisting using Computational Fluid Dynamics by Mr.Kundan Biswas, Mr.Prasanna Nagarhalli,Mr.Mustafa Nomani, Mr.Ganesh GadekarTata Delegates

10:45 - 11:00 PM
Networking Break

11:00 - 11:30 PM
Impact of Lubricating Oil on Automotive Compressor Life and AC System Performance by Mr. Kamlesh , Mr. Somnath Sen (Subros technical Centre)

11:30 - 12:00 PM
Comparative 1D Analysis of Automotive AC System Performance with Internally Variable Displacement Compressor at Different Refrigerant Suction Pressure by Mr.Ankur Saxena, Mr. Sarveshwar Mulamalla, Mr.Anugu Anil Kumar, Mr. Prabhakaran

12:00 - 12:30 PM
Methods to Enhance Air Conditioning Performance in Buses; By: Mr Jagvendra Meena, Mr. Sambhaji Jaybhay, Mr. Sangeet Kapoor (Tata Motors)

12:30 - 01:00 PM
India Specific Study of the Potential Reduction of Fuel Consumption and Emission using Alternate Mobile Mobile A/C Technologies by Mr.Yogendra Singh Kushwah, Dr. Prasad Kadle (Subros technical Centre)

01:00 - 02:00 PM
Lunch Break

02:00 - 02:20
Releasing of Rolling plan for TTTMS 2020

02:20 - 03:00
Felicitation and Closing Ceremony

End of the Event
Local Sight Visit Facilitated by TTTMS Team
Testing Witness

Networking Session

Technical Session