

SAE-Northern India Section

Presents

Thermal Management Systems Conference

In Association With

Subros Ltd.

Future Thermal Systems for Sustainable Mobility
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Conference Date

22th-25th September

2021

Virtual/Jaipur,

Rajasthan

Key Features

- **Technical Paper Publication of SAE International Platform via MyTechZone.**
- **Technical Paper Presentation in the Conference.**

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www.saenis.org



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Thermal Management Systems Conference - 2021

Future Thermal Systems for Sustainable Mobility

Papers are Invited Under Following Categories

FUTURE POLICY REQUIREMENTS

(INVITED SPEAKERS & SELECTED TECHNICAL PRESENTATIONS)

- Real Drive Emissions
- Corporate Average Fuel Economy
- India Cooling Action Plan
- Faster Adoption & Manufacturing of Hybrid & Electric Vehicles

CURRENT & NEW TECHNOLOGY TRENDS

(INDUSTRY AND ACADEMIA PARTICIPANTS)

- Thermal Systems for Electric & Hybrid Vehicles
- Thermal Simulation/Modeling, Testing & Validation
- Vehicle Climate Control
- Alternate Heating & Cooling Concepts

NOTE: Technical session panel topics include: vehicle climate control, automotive power-train cooling, vehicle underhood thermal management, human factors including thermal comfort and cabin air quality, alternative refrigerants, thermal system and components, thermal systems for hybrid and electric vehicles, thermal systems for heavy and off-road vehicles, thermal simulation/analysis/modeling, waste heat recovery and regulatory topics.

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Timeline

Submission of Abstracts

**01.03.2021
20.03.2021**

Submission of Manuscripts

10.05.2021

Releasing Review Results to Authors

30.06.2021

Approval of Technical Paper for Publication

30.07.2021

Final Manuscript Submission

30.07.2021

Event Schedule

- **Day 1: 22/09/2020 (Wednesday)**
- **Day 2: 23/09/2020 (Thursday)**
- **Day 3: 24/09/2020 (Friday)**
- **Day 4: 25/09/2020 (Saturday)**

Note:

Paper submission through SAE International - My Tech Zone & selected technical papers will be published through SAE International.

<<< Link for Abstract submission >>>

<https://bit.ly/39a2rLI>

<<< Link for Registration >>>

<https://bit.ly/3cb5xPh>

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Previous Sponsors



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GRANGES
INNOVATIVE ALUMINIUM ENGINEERING

3rd Edition 2020 Virtual Event

From 26th to 29th August 2020, SAE Northern India Section (SAENIS), Think Tank for Thermal Management Systems (TTTMS) virtually organized the Thermal Management Systems Conference. Total of 41 technical papers were presented by 25+ participating organizations. The key speakers were Mr. Balraj Bhanot (Management Consultant, Chairman TEDC (BIS)), Mr. Anup Kacker (ED-SAENIS), Dr. Prasad Kadle (Fellow SAE, Fellow ASME), Mr. Srinidhi Dampur (EVP, Subros Ltd.), Mr. Dinesh Tyagi (Director, ICAT), Mr. Sandeep Raina (SVP, Engg., MSIL), Mr. S.H. Kapoor (GM, ERC, TML), Mrs. Pamela Tikku (Chief Business Officer, NATRIP, ICAT) & Mr. Simon Williams (RDE Operations Leader, MAHLE Powertrain Limited), Mr. Martin Murray (Chief Technology Officer, Mahindra Electric Mobility Limited), Dr. Tapan Sahoo (Executive Vice President (Maruti Suzuki India Limited), Mr. Ramnik Singh (Head India Operations, Gamma Technologies) & Mr. K. Srinivas (Executive Director, Pranav Vikas & Group). The panel discussion on "India Cooling Action Plan - Technology Upgradation" involved Dr. R.S. Agrawal (Senior Advisor, Ozone Cell, India), Dr. Satish Kumar (President & Executive Director, AEEE), Mr. S.H. Kapoor (GM, ERC, Tata Motors Ltd.), Mr. Yuji Yamamoto (CTO, Pranav Vikas India Ltd.), Dr. Siva Sankar Murugan (Lead Engineer, M&M) & Mr. Kapil Singhal (Managing Director, B P Refcool) as panel members & Mr. Yogendra Singh Kushwah (Subros Ltd.) as moderator. The valedictory session included the invited guests such as Mr. I.V. Rao (Senior Fellow, TERI), Mr. Naveesh Garg (Executive Director & Chief Strategy Officer, Minda Group), Mr. R.K. Malhotra (Ex-Director, IOCL) & Mr. S.H. Kapoor (General Manager, ERC, Tata Motors Ltd.)

2nd Edition 2019 Jaisalmer Rajasthan

On 2nd & 3rd May, 2019, SAE Northern India Section (SAENIS), Think Tank for Thermal Management Systems (TTTMS) organized the Symposium & Exhibition'19 at Marriott Hotel & Resorts, Jaisalmer. Total of 24 technical papers were presented by 23 participating organizations. The principal key speakers were Mr. Balraj Bhanot (Independent Consultant, Automobile Homologation Expert), Mr. Anup Kacker (ED-SAENIS), Dr. Prasad Kadle (SVP, Subros Ltd., SAE Fellow), Mr. S.H. Kapoor (GM, TML), Dr. Siva Sankar (Lead Engineer, M&M), Mr. Vikas Sadan (AGM, ICAT), Mr. Anoop Bhat (VP, MSIL), Dr. Satish Kumar (President & ED, AEEE) and Mr. Vikas Mehta (BM, Chemours).

1st Edition 2018 Delhi

On April 13, 2018 SAE Northern Section (SAENIS) organized the first chapter of SAEINDIA Think Tank for Thermal Management Systems (TTTMS) at The Lalit hotel, New Delhi. The opening event was supported by industry volunteers of Subros as title sponsors. The key speakers were Mrs. Rashmi Urdhwareshe (Director, ARAI), Mr. Balraj Bhanot (Former Director ARAI & TEDC BIS), Prof. S. Maji (DITE), Mr. Sandeep Raina (VP Engineering, MSIL), Dr. Prasad Kadle (SVP, Subros Ltd., SAE Fellow), Mr. Anup Kacker (ED, SAENIS), and Mr. S.H. Kapoor (TML). The panel discussion on "Formation of SAEINDIA Think Tank for Thermal Management Systems - Issues & Challenges" involved Dr. R.S. Agarwal (Technical Adviser & Consultant, Ozone Cell, MOEFCC), Mr. Balraj Bhanot (Former Director, ARAI, TEDC (BIS)), Prof. S Maji (DITE), Mrs. Pamela Tikku (ICAT), Mr. S.H. Kapoor (TML) & Mr. Prabhakaran (M&M) as panel members & Mr. Yogendra Singh Kushwah (Subros Ltd.) as moderator.

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www.saenis.org

Our Mentors



Mr. Balraj Bhanot | Management Consultant | Chairman TEDC (BIS)

Double graduate in Engineering besides Post Graduate Diploma in Industrial Management & MBA from FMS Delhi & has more than 50 years of industrial & regulatory experiences.

Dr. Prasad Kadle | Fellow, SAE | Fellow ASME

Ph.D. in Mechanical Engineering, University of Minnesota | M.S. in Mechanical Engineering, University of Iowa | B.Tech. in Mechanical Engineering, IIT Kharagpur. Has 35+ of automotive industrial experience & 91 distinct patent families.



Mrs. Pamela Tikku | Chief Business Officer, NATRIP, ICAT

Has graduated from Malaviya National Institute of Technology Jaipur, Rajasthan in Mechanical Engineering and has over 26 years of experience in automobile industry.

Mr. Sandeep Raina | Senior Vice President Engineering, MSIL

Gold medalist from IIT Roorkee, Graduated in the year 1993 and MBA from MDI Gurgaon. Has more than 27 years of Experience in the Automotive Industry.



Mr. Sangeet H Kapoor | GM, ERC, TML

Has graduated from the Delhi College of Engineering in 1987 in Mechanical Engineering, and has a Master's Degree in Management Sciences from SIBM. Has over 30 years of experience in the field of automotive product development.

Mr. A. Prabhakaran | Head - HVAC, M&M

Has done Master of Engineering in Thermal Engineering from College of Engineering, Guindy, AU, MBA from Bharathidasan University & graduation from Madurai Kamraj University. Has total of 20+ years of industrial experience.



Mr. Arun Kumar Goel | Assistant Vice President, R&D, Subros Ltd.

M.Tech from IIT Roorkee in Mechanical Engineering & B.Tech from BIT Mesra in Mechanical Engineering. Has more than 35 years of experience in automobile industry.

Mr. Anup Kacker | Executive Director - SAENIS

Graduated from IIT Kanpur in Chemical Engineering & Also has done MBA. Results-oriented, Business driven professional with 38 years of full time solid business management experience.



Our Executive Committee Members

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DGM, New Technology Development, Subros Limited.

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Principal Engineer - Thermal systems, M&M.

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AGM, Powertrain at ICAT

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DGM, Climate Control ERC, Tata Motors Ltd.

Mr. Selvaraji Muthu

SGM, Design & Development, MAHLE Engine.

Event Coordinators

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