

ECT 2024 - CONFERENCE PROGRAMME

Tuesday, 22nd October 2024 (day 01)

0900 hr - 1100 hr	Session-01	
<p>Chief Guest Dr Prashant Gargava Director National Clean Air Program Ministry of Environment, Forests & Climate Change, Government of India</p> <p>Special Guest Mr Dirk Bosteels Executive Director, AECC, Belgium</p> <p>Guest of Honour Dr Michael Geller Deputy Director, MECA Clean Mobility, USA</p>	Inaugural Session	
	Welcome address by Sandesh Kamath; Umicore Automotive Catalyst & President, ECMA	
	Inauguration of Conference and Exposition	
	Keynote	Towards Zero-impact Emission for LDV AND HDV demonstrators with Advanced Emission Control Technologies and Sustainable Renewable Fuels Dirk Bosteels; AECC, Belgium
	Keynote	Potential of Hydrogen Internal Combustion Engine to Achieve Decarbonization Targets Michael Geller; MECA Clean Mobility, USA
	Keynote	New Revolutionary Solutions Euro 7 Emission Measurement Yoshinori Otsuki; Horiba, Japan
	Keynote	How to Achieve a Zero-impact Emission Vehicle with Heavy Duty Diesel Trucks to Solve the Environmental Issues for the Future beyond EURO 7 Georg Huethwohl; Albonair GmbH, Germany
	Address by the Chief Guest: Dr Prashant Gargava, Director, NCAP (MoEFCC)	
Vote of Thanks by Neelkanth Marathe, Executive Director, ECMA		
1100 hr - 1130 hr	Networking Tea break	
1130 hr - 1300 hr	Session-02	
<p>Session Chair</p> <p>Mr Saurabh Dalela Director, ICAT, India</p>	Light Duty Vehicles & Hybrids	
	Keynote	Hybrid Vehicle: Opportunities, Challenges and Viability Santosh Sonawane; FEV, India
	Keynote	Unfolding the Net Zero Conundrum for the Indian Transport Sector Avinash Agrawal; IIT-Jodhpur, India
	Technical Paper	Next Stage Emission Legislations: Challenges and Technical Solutions for Exhaust Gas After-treatment Andreas Gremminger; BASF, China
	Technical Paper	Light-Duty Gasoline Systems TWC+GPF Development for Bharat VII Alex Ravenscroft; Johnson Matthey, UK
	Technical Paper	Catalyst Technologies - Challenges & Opportunities for Flex Fuel Vehicles (LDV) Rajesh Maynal; Umicore Automotive Catalyst India Pvt Ltd, India
1300 hr - 1345 hr	Networking Lunch break	
1345 hr - 1515 hr	Session-03	
<p>Session Chair</p>	Light Duty Vehicles	
	Keynote	Key Updates to Drive Technology Change in Indian Light Duty Segment Aditya Bhimavarapu; Corning Environmental Technologies, India
	Technical Paper	Advanced Substrate Technologies for Future Spark Ignition Engine Emission Legislations Shu Muraoka; NGK Technologies India Pvt Ltd., India

ECT 2024 - CONFERENCE PROGRAMME

Tuesday, 22nd October 2024 (day 01)

	Technical Paper	Next Generation Gasoline Particulate Filters Nilesh Lende et al; Corning Technologies India Pvt Ltd, India
	Technical Paper	Three Way Catalyst with Faster Light-Off Substrates - Approach to Reduce Tailpipe Emissions Vishal Kale et al; Tata Motors Ltd, India
1515 hr - 1630 hr	Session-04	
Session Chair Dr Sukrut Thipse Sr Deputy Director, ARAI, India	Future Fuels and Fuel Blends	
	Technical Paper	Study to Understand the Impact of Biodiesel Fuel, B7 to B100, on After-treatment System Kavitha Moorthy; Cummins Inc, India
	Technical Paper	Potential Role of CO2-neutral Fuels (CNF) for Light Duty Vehicles: a Life-Cycle Assessment (LCA) Approach Dirk Bosteels; AECC, Belgium
	Technical Paper	Bio-Fuels: Opportunities and Challenges from Indian Perspective Harmeet Singh et al; Maruti Suzuki India Ltd, India
	Technical Paper	An Alternative Path to Clean Air and Fast GHG Reduction Claus Goersmann et al; ECOCAT India Pvt Ltd, India
1630 hr - 1700 hr	Networking Tea break	
1700 hr - 1845 hr	Session-05	
Session Chair Dr Rolf Brueck Managing Director, Emitec Technologies GmbH, Germany	Heavy Duty Vehicle Emissions: Challenges for Euro7 / BS7	
	Technical Paper	Challenges and Solution for Upcoming Emission Norms in Commercial Vehicle Gaurav Heda; Emitec Technologies India Pvt Ltd, India
	Technical Paper	Real Driving Emission Control for Heavy Duty Vehicles - Challenges for Euro7/BS7 Tulika Mazumdar et al; NATRAX, India
	Technical Paper	Simulation Approaches to Predict Transient Performance of Aftertreatment System Ambrish Khot; Cummins Inc, India
	Technical Paper	Development of Hight Filtration DPF Substrate for Upcoming BSVII Emission Norm Naoki Kawamura et al; Ibsiden Co Ltd, India
	Technical Paper	Modelling Activities to Support After-treatment System Design for Future Euro VII/BSVII Manohar Prasad; Johnson Matthey, India
Technical Paper	AdBlue Excellence: Preventing Substitutes and Enhancing Market Quality Varun Agrawal; NPL BlueSky Automotive Ltd, India	
1900 hr - 2130 hr	Networking Dinner	



ECT 2024 - CONFERENCE PROGRAMME

Wednesday, 23rd October 2024 (day 02)

0900 hr - 1100 hr	Session-06	
Session Chair Dr R K Malhotra President Hydrogen Association of India	H2-ICE: Opportunities, Challenges and Viability	
	Keynote	On-road BS7/H2-ICE Challenges and Strategies David Bergeal; Johnson Matthey, UK
	Technical Paper	Evaluating Spark Plug Tip Temperature to Address Preignition Issues in Port Fuel Hydrogen Internal Combustion Engine for Heavy Duty Applications Suresh Bagavathy et al; Reliance Industries Ltd, India
	Technical Paper	Opportunities and Challenges of Hydrogen Engines - a Zero Carbon Emission Solution for Heavy Duty Application Ashraf Emran; FEV, India
	Technical Paper	Hydrogen Internal Combustion Engine: an Additional Cornerstone for a Future with Clean Mobility Tushar Sahu, et al; Umicore AutoCat India Pvt Ltd., India
Technical Paper	Technology Perspectives to Meet Euro 7 / BS VII from H2-IC Engines Sukrut Thipse; ARAI, India	
1100 hr - 1130 hr	Networking Tea break	
1130 hr - 1300 hr	Session-07	
Session Chair Mr Manoharan Sundaram Sr Vice President (R&D), TAFE Tractors and Farm Equipment Ltd, India	Off-Road Emission Control 01: Challenges and Technologies	
	Keynote	Potential for Reduction in NRMM Emissions Dirk Bosteels; AECC, Belgium
	Technical Paper	Challenges and Solutions in Exhaust After Treatment Systems to Meet Emission Legislation Required for Off-road and Stationary Segments Vishnuvarthan Muthusamy et al; ECOCAT India Pvt Ltd, India
	Technical Paper	Short-time DPF Regeneration by using High Robustness Designed DPF Naoki Kawamura et al; IBIDEN Co Ltd, India
Technical Paper	Challenges and Opportunities for Off-road Applications to meet Bharat Stage-V Regulations Kamlesh Tayade; Johnson Matthey, India	
1300 hr - 1345 hr	Networking Lunch break	
1345 hr - 1515 hr	Session-08	
Session Chair Dr Anupam Dave Head- Powertrain & Advanced Engineering International Tractors Ltd, India	Off-Road Emission Control 02: Challenges and Technologies	
	Keynote	Using Digital Engineering to meet the Future Emission Challenges of Agricultural NRMM Steve Whelan; Horiba MIRA, UK
	Technical Paper	Air Cooled Engines: CPCB IV+ Emission Upgrade Challenges Manoj Kusumba; TMTL (Eicher Engines), India
	Technical Paper	Next Gen Filter Technology for Non-road Engine Emerging and Advanced Markets Nilesh Lende; Corning Technologies India Pvt Ltd, India
Technical Paper	Tractor Application - Challenges of DPF Implementation in Off-road Segment Shakti Kumar Singh; Escorts Kubota Ltd, India	

ECT 2024 - CONFERENCE PROGRAMME

Wednesday, 23rd October 2024 (day 02)

1515 hr - 1715 hr

Session-09

Keynote

Opportunities for Going Beyond EU7 based on U.S. Experience

Michael Geller; MECA Clean Mobility, USA

Keynote

Solving the Challenges of Future Emission Regulations and Decarbonization Requirements: A Holistic Approach from Dinex

Evangelos Georgiadis; Dinex, Denmark

Keynote

Meeting Real World Emission Development Challenges for Euro 7 Norms

Steve Whelan; Horiba Mira, UK

Moderator

Mr Prakash Sardesai
Sud-Chemie India Pvt Ltd
(ECMA GC member)

PANEL DISCUSSION

BS7 for India - Challenges, Viability, Readiness and Impact on Technology"

Panel Members

- **Dr Michael Geller;** MECA Clean Mobility, USA
- **Mr Evangelos Georgiadis;** Dinex, Denmark
- **Mr Steve Whelan;** Horiba MIRA, UK
- **Mr Dirk Bosteels;** AECC, Belgium
- **Ms Anumita Roy Chowdhury;** CSE, India
- **Mr Mahesh P;** Ashok Leyland Ltd, India

Closing Remarks: Mr Akshoy Gopalakrishna, NGK Technologies India Ltd (ECMA GC member)

1715 hr onwards...

Networking Tea break

DISPERSAL (end of the Conference)

