

ECMA's 14th International Conference, ECT-2023.
 Radisson blue Plaza Delhi Airport, New Delhi
“Leaping to Cleaner Air for Tomorrow”
CONFERENCE PROGRAMME

Day 01, Thursday, 2nd November 2023

0900 – 1030	INAUGURAL SESSION
	<u>Welcome address</u> – Mr Harindranath Revanur, President (ECMA), Commercial Head - BASF Catalysts, India
	<u>Keynote</u> – Dr Saeed Alerasool, BASF Catalysts, China <i>Shaping our Tomorrow with Advanced Catalytic Solutions for Cleaner Air</i>
	<u>Keynote</u> - Dr Wilfried Mueller, Umicore, Germany (presenting for AECC, Europe) <i>Development of the New Euro 7 Emission Legislations in Europe</i>
	<u>Keynote</u> – Mr Nitin Seth, Reliance Industries Limited, India <i>Clean Mobility Solutions – Challenges and Opportunities in Ecosystem Development</i>
1030 - 1115	Networking Tea / Coffee break
1115 – 1300	<u>Session One</u>
	Euro 7 Regulation & Global Development
	<u>Session Chair</u> – Mr P K Banerjee, Executive Director, SIAM
	<u>Keynote</u> – Mr Rasto Brezny, MECA, USA <i>Vehicle Standards and Technology Solutions in the US for 2027 and beyond</i>
	<u>Keynote</u> - Mr Kazuya Tsurumi, Horiba, Japan <i>Global Emission Regulatory Trend and New Analytical Solution</i>
	<u>Technical Paper Presentations</u>
	<ul style="list-style-type: none"> • Dr Thomas Wolff, DINEX, Germany <i>Reaching Euro 7 / BS 7 Emission Limits for CVs: a Holistic Approach by an Exhaust After Treatment Supplier</i> • Mr Artur Narewski, Johnson Matthey, Sweden <i>HDD Exhaust After Treatment System Development Towards Euro 7</i> • Mr Giovanni Petrafesa, Cornaglia S.p.A, Italy (Mangla Cor-tubi – an Indian Italian JV company) <i>Urea Mixer Technology and Euro 7 Technology</i>
1300 - 1400	Networking Lunch break
1400 - 1530	<u>Session Two</u>
	Light Duty Applications
	<u>Session Chair</u> – Ms Pamela Tikku, Mahindra & Mahindra, India
	<u>Keynote</u> – Mr Wilfried Mueller, UMICORE, Germany <i>Exhaust Aftertreatment of Gasoline Engines for Euro 7 Legislation and Bharat Stage 7</i>
	<u>Technical Paper Presentations</u>
	<ul style="list-style-type: none"> • Mr Yogesh Choudhary, Tenneco, India <i>Advanced Modelling and Simulation Studies for Cold-Start Challenges in EU 7/China 7</i> • Mr Yasuyuki Furuta, NGK Insulators Ltd, Japan <i>Gasoline Particulate Filter (GPF) for Indian Market</i> • Mr Sudipto Basu, ECMA & Mr Manoj More, ARAI, India <i>Evaluation of Particulate Filtration and Air Quality Index by Particulate Filter on a BS6 Compliant Vehicle in Polluted Urban Environment</i> • Dr Terry Lathem, Ingevity Corp, USA <i>Leaping to Cleaner Air with Refuelling Emission Control</i>
1530 - 1600	Networking Tea / Coffee break
1600 - 1730	<u>Session Three</u>
	Fuels and Fuel Blends
	<u>Session Chair</u> - Dr Anjan Ray, Consultant, India

	Keynote – Dr Mandira Bhattacharyya, Cummins Emission Solution, Cummins Inc., India <i>Role of Alternate Fuels in Sustainability Goals of Cummins</i>
	Technical Paper Presentations
	<ul style="list-style-type: none"> • Dr S S Thipse, ARAI, India <i>Technological and Regulatory Perspectives on Clean Fuels</i>
	<ul style="list-style-type: none"> • Dr P Sakthivel, IOCL, India <i>Ethanol and Bio-CNG: Cleaner Fuels for Sustainable Transportation</i>
	<ul style="list-style-type: none"> • Mr Ajay Kumar, Maruti Suzuki, India <i>Bio-Fuels: Opportunities and Challenges for Automotive Sector</i>
	<ul style="list-style-type: none"> • Mr Varun Agrawal, NPL Blue Sky Automotive Pvt Ltd, India <i>Quality System for AdBlue and By-pass of SCR System</i>
1730 - 1900	Session Four
	Off-Road Applications 01
	Session Chair - Dr K K Gandhi, Convener, Centre for Auto Policy & Research
	Keynote – Mr Nilesh Lende, Corning, India <i>Indian Off-road/Non-road Regulations and Probable Solutions for Meeting Future Regulation</i>
	Technical Paper Presentations
	<ul style="list-style-type: none"> • Dr Yogesh Aghav and <u>Mr Avinash Bhide</u>, IDEMA, India <i>India CEV Emission Stage V – Migration Challenges and ISM</i>
	<ul style="list-style-type: none"> • Mr Noriyuki Hibi, NGK Technologies India Ltd, India <i>Technology of Diesel Particulate Filter for Tighter Non-Road Regulation in India</i>
	<ul style="list-style-type: none"> • Dr Amit Singhania, Johnson Matthey, India <i>Leading the Way in Bharat Stage V Emission Control Solutions with JM After Treatment Systems</i>
	<ul style="list-style-type: none"> • Mr Abishek M Thalagavara, Ibsiden India <i>Thermal Shock Risk of DPF for India Market Application</i>
1930 onwards	Cocktails and Dinner

Day 02, Friday, 3rd November 2023

0900 – 1045	Session Five
	Hydrogen for ICE
	Session Chair – Dr R K Malhotra, Consultant & Advisor – Energy Sector, India
	Keynote - Mr Dinesh Goyal, AVL India, India <i>The Way of industrialization for H₂-ICE</i>
	Technical Paper Presentations
	<ul style="list-style-type: none"> • Mr George Anthony, Bosch Limited, India <i>Hydrogen Engine for Commercial Vehicles – A Robust and Sustainable Technology Option</i>
	<ul style="list-style-type: none"> • Dr Rajbala, Johnson Matthey, India <i>Modelling Activities in JM to Support After Treatment System Designs for H₂-ICE</i>
	<ul style="list-style-type: none"> • Mr R Hariganesh, Reliance Industries Limited, India <i>Challenges and Opportunities in H₂-ICE Vehicle Development</i>
1045 - 1115	Networking Tea / Coffee break
1115 – 1300	Session Six
	Off-Road Applications 02
	Session Chair – Mr Balraj Bhanot, Management Consultant & Homologation Expert, India
	Keynote – Dr Rolf Brueck, Emitec Technologies GmbH, Germany <i>Scalable Optimised Aftertreatment Systems for TREM V</i>
	Technical Paper Presentations
	<ul style="list-style-type: none"> • Mr Manoj Kusumba & <u>Mr Devendra Nene</u>, TMTL, India <i>Impact of Ethanol-Diesel Blend on Engine Performance and Exhaust Emissions in a Non-Road Engine Application</i>

	<ul style="list-style-type: none"> Mr C Pavan Kumar, Bosch Ltd., India <i>Engineering Approach for the Future OHW Emission Norms</i>
	<ul style="list-style-type: none"> Mr Shakti Singh, Escorts Kubota limited, India <i>Off-Road Application – After Treatment Strategy and Challenges</i>
1300 - 1400	Networking Lunch break
1400 - 1530	Session Seven
	Heavy Duty Applications
	Session Chair – Dr Rasto Brezny, MECA, USA
	Keynote – Dr Georg Huethwohl, Albonair GmbH, Germany <i>Innovative After Treatment Systems for Heavy-Duty Applications to Fulfil Future Demands</i>
	Technical Paper Presentations
	<ul style="list-style-type: none"> Mr B Viswanath, DELPHI-TVS Technologies Ltd., India <i>Future Emission Norms - Implications for FIE, Controls and Software</i>
	<ul style="list-style-type: none"> Mr. Emran Ashraf, FEV India <i>Turbocharging Challenges and Needs of Zero Carbon Emission Hydrogen Engines for Heavy Duty Application</i>
	<ul style="list-style-type: none"> Dr Rajesh Maynal, UMICORE, India <i>Euro 7 HD Legislation and Exhaust Aftertreatment for Heavy Duty Engines</i>
	<ul style="list-style-type: none"> Mr Aditya Bhimavarapu, CORNING, India <i>Emission Control for Future Trucks and Buses</i>
1530 - 1700	Session Eight
	PANEL DISCUSSION
	Theme subject - Impact of Global Bio-Fuel Alliance on Sustainable IC Engine and Emission Technology Development for New Family of Fuels
	Session Chair – Mr Prakash Sardesai, Head: Application Engineering & Business Development, Sud-Chemie Catalysts India Ltd, India
	Panel Members
	<ul style="list-style-type: none"> Dr Mandira Bhattacharyya, Cummins Emission Solution, Cummins Inc., India Mr Ajay Kumar, Maruti Suzuki, India Ms Veena Y V, Bosch Ltd., India Dr P Sakthivel, IOCL, India Mr C B Remesan, India
	Concluding Remarks Mr Rohit Kataria, former President (ECMA), Sr Commercial Director, Corning India, India
	Vote of Thanks Mr Sudipto Basu, Sr Executive Director & Advisor, ECMA, India
1700 – 1730	Networking Tea / Coffee break
1730 onwards	DISPERSAL