

ECMA's 15<sup>th</sup> international Conference

## **ECT 2024**

**“Clean Air Today. Every Day.”**

**22<sup>nd</sup> and 23<sup>rd</sup> October 2024, The Lalit Hotel, Connaught Place, New Delhi**

We, at ECMA, would like to take this opportunity to extend our gratitude and thanks to the Guests, Chairpersons, Keynote Speakers, Technical presentation speakers, Panelists, Exhibitors and delegates of our 15<sup>th</sup> International Conference on “**Clean Air Today, Every Day**”, held on Tuesday, 22<sup>nd</sup> October and Wednesday, 23<sup>rd</sup> October 2024 at The Lalit Hotel Connaught Place, New Delhi and making it a memorable and **GRAND SUCCESS**. We would specially like to thank our Sponsors, Governing Council, Members, Venue staff, Event Management Agency and all others; who helped us in organizing this successful Event.

We are sure you all had enjoyed the proceedings and sharing of knowledge and experiences of Technocrats from around the World in the field of Pollution Control and Air Quality Improvement.

Our Chief Guest **Dr. Prashant Gargava - Director, NCAP (MoEFCC)** appreciated ECMA's efforts in organizing this International Conference. We are specially thankful to him for his esteemed presence and guidance. We are also grateful to Mr Dirk Bosteels (AECC, Belgium) as the Special Guest and Dr Michael Geller (MECA Clean Mobility, USA) as the Guest of Honour.

The ECT 2024 conference brought together industry leaders, experts, government officials, OEMs, Emission system suppliers, test agencies, NGOs and enthusiasts for engaging and insightful presentations and deliberations covering the topics on EURO7/BS7 and Global Development advancements in Emission Control technologies for Light Duty, Heavy Duty and Off-road/Non-road segments; Hydrogen as potential fuel for ICE, New Fuels and Fuel Blends, hybrid as a promising powertrain, etc.

We are pleased to share that we had a participation of 315+ delegates from different sectors from India and abroad. In all, 13 keynotes and 26 technical papers were presented over 9 sessions. The advanced products and technologies were displayed by the Exhibiting organizations in 6 booth stalls and was a great Venue for Networking with the participants. The Exhibitors specially appreciated Dr. Prashant Gargava (Chief Guest, ECT 2024), devoting his precious time at the Stalls to understand the various Technologies. Panel discussion on the topic of *BS7 for India – Challenges, Viability, Readiness and Impact on Technology*” has been very interesting and thoughtful and has created a momentum as the nation is gearing up to prepare herself for BS7 regime.

This time again, we brought out a Technical Bulletin comprising of 9 [Technical Articles](#), giving an insightful and informative content on a variety of technical subjects of general interest.

ECMA wish to extend heartfelt gratitude to all the experts, speakers, delegates, and participants; coming from home and overseas, for immense contribution, active participation and insightful and valuable presentation contents; to the grand success of the conference making it truly impactful and inspiring by providing pursuit of knowledge and experience in the global developments in the area of pollution control and allied subjects.

A special thanks to our supporters, endorsement partners, Sister Associations – MECA (USA) and AECC (Europe), various agencies, and all who worked hard behind the curtain for their unwavering commitments and contributions towards the success of the conference.

We look forward to the continued support and closer involvement by all, as we strive to come back with more such enriching events in the future.

You may like to go through the presentations given by various eminent speakers as per [ECT-2024 Conference Programme](#):

## **Day 1 : Tuesday, 22<sup>nd</sup> October 2024**

### **0900 – 1100 hr : Session 1 - Inaugural Session**

- Keynote Presentation – [Mr Dirk Bosteels \(AECC, Brussels\)](#)
- Keynote Presentation – [Dr Michael Geller; \(MECA, USA\)](#)
- Keynote Presentation – [Mr Yoshinori Otsuki \(Horiba, Japan\)](#)
- Keynote Presentation – [Dr Georg Huethwohl \(Albonair, Germany\)](#)

### **1130 – 1300 hr : Session 2 - Light Duty Vehicles & Hybrids**

#### **Session Chair – Mr Saurabh Dalela - Director (ICAT, India)**

- Keynote Presentation – [Mr Santosh Sonawane \(FEV, India\)](#)
- Keynote Presentation – [Dr Avinash Agrawal \(IIT-Jodhpur, India\)](#)
- Technical Paper Presentation – [Dr Andreas Gremminger \(BASF, China\)](#)
- Technical Paper Presentation - [Mr Alex Ravenscroft \(Johnson Matthey, UK\)](#)
- Technical Paper Presentation - [Mr Rajesh Maynal; \(Umicore India\)](#)

### **1345 – 1515 hr : Session 3 – Light Duty Vehicles**

#### **Session Chair –**

- Keynote Presentation – [Mr Aditya Bhimavarapu \(Corning, India\)](#)
- Technical Paper Presentation – [Mr Shu Muraoka \(NGK Technologies, India\)](#)
- Technical Paper Presentation - [Mr Nilesh Lende \(Corning, India\)](#)
- Technical Paper Presentation – [Mr Vishal Kale \(Tata Motors India\)](#)

#### **1515 – 1630 hr : Session 4 – Future Fuels and Fuel Blends**

##### **Session Chair – Dr Sukrut Thipse – Sr. Deputy Director (ARAI, India)**

- Technical Paper Presentation – [Ms.Kavitha Moorthy \(Cummins, India\)](#)
- Technical Paper Presentation – [Mr Dirk Bosteels \(AECC, Brussels\)](#)
- Technical Paper Presentation - [Mr Harmeet Singh \(Maruti Suzuki, India\)](#)
- Technical Paper Presentation – [Dr Claus Goersmann \(Ecocat, India\)](#)

#### **1700 – 1845 hr: Session 5 – Heavy Duty Vehicle Emissions: Challenges for Euro 7/BS7**

##### **Session Chair – Dr Rolf Brueck - Managing Director (Emitec, Germany)**

- Technical Paper Presentation – [Mr Gaurav Heda \(Emitec, India\)](#)
- Technical Paper Presentation - [Ms Tulika Mazumdar \(NATRAX, India\)](#)
- Technical Paper Presentation – [Mr Ambrish Khot \(Cummins, India\)](#)
- Technical Paper Presentation – [Mr Naoki Kawamura \(Ibiden, India\)](#)
- Technical Paper Presentation – [Mr Manohar Prasad \(Johnson Matthey, India\)](#)
- Technical Paper Presentation – [Mr Varun Agrawal \(NPL BlueSky, India\)](#)

### **Day 2 : Wednesday, 23<sup>rd</sup> October 2024**

#### **0900 – 1100 hr : Session 6 – H2-ICE : Opportunities, Challenges and Viability**

##### **Session Chair – Dr R K Malhotra - President (Hydrogen Association of India)**

- Keynote Presentation – [Mr David Bergeal \(Johnson Matthey, India\)](#)
- Technical Paper Presentation – [Mr Suresh Bagavathy \(Reliance Industries, India\)](#)
- Technical Paper Presentation - [Mr Ashraf Emran \(FEV, India\)](#)
- Technical Paper Presentation – [Mr Tushar Sahu \(Umicore India\)](#)
- Technical Paper Presentation – [Dr Sukrut Thipse \(ARAI, India\)](#)

#### **1130 – 1300 hr: Session 7 – Off-Road Emission Control 01: Challenges & Technologies**

##### **Session Chair – Mr Manoharan Sundaram - Sr Vice President - R&D (TAFE, India)**

- Keynote Presentation – [Mr Dirk Bosteels \(AECC, Brussels\)](#)
- Technical Paper Presentation – [Dr Vishnuvarthan Muthusamy \(Ecocat, India\)](#)
- Technical Paper Presentation - [Mr Naoki Kawamura \(Ibiden, India\)](#)
- Technical Paper Presentation – [Dr Kamlesh Tayade \(Johnson Matthey, India\)](#)

**1345 – 1515 hr : Session 8– Off-Road Emission Control 02: Challenges & Technologies**

**Session Chair – Dr Anupam Dave – Head (International Tractors, India)**

- Keynote Presentation – [Mr Steve Whelan \(Horiba MIRA, UK\)](#)
- Technical Paper Presentation – [Mr Manoj Kusumba \(TMTL - Eicher Engines, India\)](#)
- Technical Paper Presentation - [Mr Nilesh Lende \(Corning, India\)](#)
- Technical Paper Presentation – [Mr Shakti Kumar Singh \(Escorts Kubota, India\)](#)

**1515 – 1715 : Session 9 – BS7 for India**

**Moderator – Mr Prakash Sardesai (Sud-Chemie, India)**

- Keynote Presentation – [Dr Michael Geller; \(MECA, USA\)](#)
- Keynote Presentation – [Mr Evangelos Georgiadis \(Dinex, Denmark\)](#)
- Keynote Presentation – [Mr Steve Whelan \(Horiba MIRA, UK\)](#)

***Panel Discussion:***

***“BS7 for India – Challenges, Viability, Readiness and Impact on Technology”***

**Panelists:**

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