



AUTOMOTIVE

R & D Trends



Retrospect



About Automotive R&D

CII-TNTDPC with the objective to promote Research & Development in Automotive Sector and to improve cooperation in R&D between industries, research institutions and academic initiated the Conference of Automotive R&D during 2008.

Since then, the initiative has been a sought out forum for automotive stakeholders to connect and explore engagements in research and innovation.

Automotive R&D Conference has been instrumental in nurturing collaborative product development amongst industries, technology integration, new markets and mutual investment opportunities. The event has also been remarkable in creating new entrepreneurs and SMEs in the auto sector.

CII-TNTDPC has successfully conducted 14 editions of this conference and the 15th edition of this flagship conference is planned in the year 2023.

Chairs of Automotive R&D



**Conference Chair - 2008, 2009, 2010
2019, 2020**

Dr Arun Jaura
Managing Director
Michelin India Technology Center LLP



Conference Chair - 2012, 2013, 2014

Dr V Sumantran
Executive Vice Chairman
Hinduja Automotive Ltd



Conference Chair - 2015, 2016, 2017, 2018

Late. Mr Vikram S Kirloskar
Vice Chairman
Toyota Kirloskar Motor Private Limited



Conference Chair - 2021, 2022

Ms. Latha Chembrakalam
Vice President & Head - Technical Center India,
Continental Automotive Components
(India) Pvt Ltd

Themes of Automotive R&D



Sessions & Focus Areas @ Automotive R&D

14th Edition: Conference on Automotive R&D Trends - 4th November 2022, Chennai

- New technologies and Innovation in the mobility space
- Future of Mobility - Transformation from 'Mobility-as-a-Service' to 'Lifestyle-as-a-Service'
- Digital transformation in the automotive industry
- How can you stay successful irrespective of disrupted supply chain?

13th Edition: Conference on Automotive R&D Trends - 26th March 2021, Virtual

- CEO's Panel Discussion on Future of Mobility – Electrification – the India context
- Digital Solutions for Future Mobility
- 7C's Vision: India's Roadmap towards Sustainable Mobility
- Destination India - Manufacturing & R&D Hub for Auto Industry
- MSMEs, OEM's & Aftermarket Service: Future Trends & Market Sustainability

12th Edition: Conference on Automotive R&D Trends - 10th June 2020, Virtual

- Electric Vehicle & Alternative Fuels
- OEM & MSME Solutions to the New Paradigm
- Is India Ready for Transforming Mobility Solutions..?
- Digitally Transforming Mobility
- Manufacturing Digitization & Infrastructure Solutions

11th Edition: Conference on Automotive R&D Trends – 8th March 2019, Chennai

- Future of Mobility – Electrification
- Manufacturing Digitization & Information Science
- Future Trends – Auto components, OEM's & Aftermarket Sustainability
- Intelligent Supply Chain & Logistics
- Panel Discussion on Robust changes in Automobile – Industry growth & investment opportunities

10th Edition: Conference on Automotive R&D Trends – 7th March 2018, Chennai

- Future of Vehicles – Green Mobility
- Increased Competition & New Regulations – Auto Makers & Auto Components Growth
- Automotive Industry evolution & Digital Transformation
- Smart & Additive Manufacturing
- Panel Discussion on Potential Growth Opportunities & Challenges for OEM's / OEM's Market

9th Edition: Conference on Automotive R&D Trends – 9th March 2017, Chennai

- Automotive R&D Mega Trends – Global Perspective & Indian Standpoint
- Safety and Integrated mobility
- Affordability & Competitiveness
- Industrial IoT & Industry 4.0 Impact on Auto sector
- Panel Discussion on Make in India – Manufacturing Capital for Emerging Markets

8th Edition: Conference on Automotive R&D Trends – 7th March 2016, Chennai

- Green & Safe Automotive – Global Best Practices & Models
- Contemporary Technology for Efficient Vehicles
- Innovation for Sustainability & Consumerism
- Redefining the R&D Strategy for India
- Panel Discussion on "India an R&D Hub for Global Market"

Sessions & Focus Areas @ Automotive R&D

7th Edition: Conference on Automotive R&D Trends - 13th March 2015, Chennai

- Automotive R&D Mega Trends – Global Perspective & Indian Standpoint
- Major Challenges in Indian Automotive R&D
- Efficient Conventions & Approaches towards a Robust R&D
- Ecosystem of Automotive R&D – Stakeholder Views & Measures
- Panel Discussion – “Critical Measures to Enhance Indian Automotive R&D to pace with Global Automotive Trends - OEM, OES & Partners in R&D Supply Chain”

6th Edition - Conference on Automotive R&D Trends 2014, 28th February 2014, Chennai

- Sustainable Green Transportation – Role of Auto & Auto Component Industry
- Government Policies & R&D Challenges in Mobility
- Future of Mobility – Advanced & Integrated Systems in Vehicle, Transportation & Infrastructure
- Innovative Technologies for Changing Mobility – Affordable & Profitable Business Models

5th Edition - Conference on Automotive R&D Trends 2013, 8th March 2013, Chennai

- Auto – Transportation Sector: Critical Impacts & Mitigations
- Greener Alternatives in the Automotive Sector
- Automotive Manufacturing – Reduce, Refuse & Reuse
- Mass Transit & Non-motorized Transportation in India

4th Edition: Conference on Automotive R & D Trends 2012, 27th February 2012, Chennai

- Efficient Components & Systems for Automotive
- Advanced Driver Assistance System (ADAS)
- Modern Vehicle Controls - Semi and Full Autonomous vehicle Control
- Intelligent Vehicle & Road Systems, Transportation Management & Road and Traffic safety technologies

3rd Edition: Conference on Automotive R & D Trends 2010, 15th October 2010, Chennai

- Technology Trends in Personal Mobility
- Technology Trends in Commercial Vehicles and Mass Transit Systems
- Crystal Gazing beyond 2015
- Collaborative Innovation & IPR

2nd Edition: Conference on Automotive R & D Trends 2009, 23rd October 2009, Chennai

- Driving Technology
- Driving Safe
- Driving Green
- Driving Connected

1st Edition: Conference on Automotive R & D Trends 2008, 3rd October 2008, Chennai

- Vehicle Safety System
- Vehicle transmission system & Automotive Electronics
- CO2 Reduction Technologies
- Fuel Economy & Emissions Technologies

Automotive R&D - At a Glance



Our Supporters over the years

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Expanding Horizons

SAEINDIA
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SASKEN

SBI

Shell Lubricants

SIEMENS

Suplex India Ltd

smart
CEO

SPARK MINDA
ASHOK MINDA GROUP
Powered by Passion

SPX

SURIN
Adding Value

SYNOPSYS

TAFE

INDIA

UNIDO

UNIVERSAL ROBOTS

VECTOR

VIT
Vellore Institute of Technology



wipro

and many more...



ABOUT TNTDPC

Tamil Nadu Technology Development & Promotion Centre (TNTDPC) was established under the joint participation of the Govt. of Tamil Nadu & Confederation of Indian Industry. The major task of the Centre is focused towards providing a helping hand to the Small & Medium industries and entrepreneurs in TN to reach and compete in global marketplace through technology innovation and meeting international standards. The center provides user-friendly environment, linking support and guidance from global experts and TN Government in upgrading the industrial growth of the state.

ABOUT CII

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering Industry, Government and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led and industry-managed organization, with around 9000 members from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 300,000 enterprises from 286 national and regional sectoral industry bodies.

For more than 125 years, CII has been engaged in shaping India's development journey and works proactively on transforming Indian Industry's engagement in national development. CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, livelihoods, diversity management, skill development, empowerment of women, and sustainable development, to name a few.

As India completes 75 years of Independence in 2022, it must position itself for global leadership with a long-term vision for India@100 in 2047. The role played by Indian industry will be central to the country's progress and success as a nation. CII, with the Theme for 2022-23 as Beyond India@75: Competitiveness, Growth, Sustainability, Internationalisation has prioritized 7 action points under these 4 sub-themes that will catalyze the journey of the country towards the vision of India@100.

With 62 offices, including 10 Centres of Excellence, in India, and 8 overseas offices in Australia, Egypt, Germany, Indonesia, Singapore, UAE, UK, and USA, as well as institutional partnerships with 350 counterpart organizations in 133 countries, CII serves as a reference point for Indian industry and the international business community.

For more details, please contact :

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