

e-Automotive conference

Wednesday, 25th September 2019 – Conference room hall 9, India Expo Centre, Greater Noida

Conference program

09:15–10:15	
09:15–10:15	Registration and networking tea
10:15–10:30	Chairperson's opening remarks and ice breaking session
Session 1 Vehicle design, engineering, performance and safety electronics	
10.30–10.45	Keynote speaker <i>The driving force impacting CO2 regulation framework and compliance – Vision 2030</i>
10.45–11.00	Presentation 1
11:00–11:15	Keynote speaker <i>What's below the hood of an electric two-wheeler? – A sneak peek into the architecture and electronic control units</i>
11:15–12:00	Panel discussion <i>Driving automotive innovation – Meeting functional safety requirements efficiently via electronic design tools and techniques</i> Topics for discussion: <ul style="list-style-type: none">• Intelligence sharing and social intelligence – A largest paradigm• Automotive emergency breaking• Shifting gears: urban designs for autonomous vehicles• Customized applications and regulatory requirements for safety and security• Risk of distracted driving• Tools and technologies for functional safety• High-performance processors for advanced driver assistance system (ADAS) solutions• Working together to increase safety across the board using virtual simulation• IoT enhanced mobility
12:00–12:30	Networking tea break
Session 2 Autonomous, connected and smart auto-electronics	
12:30–12:45	Keynote speaker <i>When the internet meets the car, when e-commerce meets automotive – Connect the mobile and automotive industries</i>
12:45–13:00	Presentation 2
13:00–13:15	Keynote speaker <i>Addressing software complexity in connected and autonomous vehicles – An automated platform for success compute solutions for mass deployment of autonomy</i>

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13:15–14:00	<p>Panel discussion <i>Next generation technologies in automotive electronics facing the future challenges – From cooperative vehicle networking to autonomous driving</i></p> <p>Topics for discussion:</p> <ul style="list-style-type: none"> • Customer focus that facilitates new business models • Mobility as a service with intermodal routing • Fleet management, charging, security and infrastructure management • Data processing – Meeting the needs of emerging autonomous technology • Support for seamless connectivity in highly mobile environments – Enabling the development of cooperative automotive applications • From pilot to public roads – Advancing connected and autonomous vehicles
14:00–15:00	Lunch Break
Session 3 Electric vehicle, EV charging and battery management system electronics	
15:00–15:15	<p>Keynote speaker <i>Development of EV architectures from a system engineering point of view –Both design of brand-new platforms and adapting existing platforms</i></p>
15:15–15:30	Presentation 3
15: 30–15:45	<p>Keynote speaker <i>Shared mobility – Impact on automotive electronics and technology</i></p>
15:45–16:00	Presentation 4
16:00–16:15	<p>Keynote speaker <i>Optimization of powertrain structure – Including battery, ultracapacitors, motors, inverters and transmission</i></p>
16:15–17:00	<p>Panel discussion & summary Future gazing – Setting up the agenda for electronics in future automotive services</p> <p>Topics for discussion:</p> <ul style="list-style-type: none"> • What's best for your ride – Complexities and challenges in designing EV electronics • Opening Pandora's box – Reassembling multiple power electronic functions into one box • Electrification – Compact and high-efficient solutions to power conversion • Cities reimagined – Impacts of driverless car and ride sharing • Technology road map to autonomous mobility, next generation EV chargers – What we can expect?
17:00–17:15	Thank you note from the organizers

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