

IESA Auto CIG Tech Talk @ Pune

Talks and speakers:

Adoption of EV in USA and opportunities in India

Dr. Rajiv Mathur, Head of Smart Transportation Programs at ProspectSV, San Jose, CA.

Next Generation Technologies in Automotive Electronics

Mr. Amit Jain, CEO and Exec Director, Advanced Electronics, Technology and Development, UNO Minda, NK Minda group.

Electronics Technology in Off-Highway vehicles

Mr. Devendra Bahirat, Head, John Deere Electronic Solutions, India and China.

Automotive Electronics: future trends

Mr. Chandan Sawhney, Head of Electrical and Electronics, Commercial Vehicle Division, TATA Motors.

Date:

Monday, January 22, 2018

Time:

5:00 pm to 7:00 pm (to begin with networking high tea and registration)

Venue:

Sumant Moolgaokar Auditorium, No. 1 (A Wing, Ground Floor)
505, A-Wing, MCCIA Trade Tower, ICC Complex, 403, [Senapati Bapat Road, Pune, Maharashtra 411016.](#)

Details of the tech-talk:

Dr. Rajiv Mathur, Head of Smart Transportation Programs at ProspectSV, San Jose, CA

Adoption of EV in USA and opportunities in India



Abstract: Consumer electric vehicles have been in the US market since 2011, and have seen increasing acceptance supported by government policy coupled with financial incentives for consumers. While nearly all major OEMs have some EV offering, or plan to in the near future, market forces such as dropping oil prices, lack of EVSE and electric grid capacity have the potential to derail the growth trajectory of EV adoption. On the technology front, a breakthrough in inexpensive, high capacity and quick charging battery can accelerate faster adoption. More recently active research has now shifted to autonomous and connected vehicles. We will discuss this and related topics in this presentation.

Profile:

Rajiv is the Head of Smart Transportation Programs at ProspectSV, responsible for many fronts from client engagements to operating ITS Signal Lab and helping accelerate new technology demonstrations in the TIZ. Working with the City of San Jose, and RSM, an innovative technology start-ups, he has facilitated sensor deployment at a city intersection to determine granular road usage data collection and for visualizing traffic flows in 2D and 3D. Rajiv is collaborating with California Dept of Transportation (CalTrans) in bringing leading industry partners to utilize and enhance the Connected Vehicles test bed in Palo Alto, CA. Prior to ProspectSV, he spent a year at Bay Area Climate Collaborative, as an Encore Fellow working on a variety of new EV program initiatives. Prior Rajiv had a three decade plus career at Intel Corporation in Santa Clara in a diverse array of technical and management positions related to silicon process and device modeling, and simulation. Most recently he served as Program Director in Intel Labs' University Collaborative Research division where he managed Intel's academic collaboration to several academic research centers at top tier universities, both in US and Europe. Rajiv holds a B.Sc. degree from St. Stephens College, (Delhi, 1974), an M.Sc. from Indian Institute of Technology (Kanpur, 1976) and Ph.D. from Carnegie-Mellon University (Pittsburgh, 1981), all in Physics.

Mr. Devendra Bahirat, Head, John Deere Electronic Solutions, India and China

Topic: Electronics Technology in Off-Highway vehicles



Abstract: Electronic components are widely used in Agricultural and off-highway vehicles in developed countries since 1990s. Advance technologies like GPS, Power Electronics and auto steer are also being adopted since last couple decades. Productivity and yield improvements are the main drivers behind the introduction of these technologies. We will discuss some of these examples. We will also look at some examples in India and what are the challenges that we face in this region in terms of technology introduction.

Profile: Devendra is associated with John Deere since April of 2000. Over the past few years he has successfully held numerous positions in the area of Electronics in the US and India. In his current role, he is heading John Deere Electronic Solutions, India and China. In his current role he has set up manufacturing plant for Electronic control units which are used in India and also exported to other John Deere units globally.

Devendra is an active member of SAEINDIA for last several years. He led various activities of SAEINDIA OFF-HIGHWAY board during his tenure as the chairman of the board.

Devendra completed Executive General Management from IIM, Bangalore, and holds degree in Electronics and Telecommunications from Pune University.

Organized by:

- Mr. Ashok Chandak, IESA Past Chairman

- Mr. Niranjana A. Pol (Member, Board of Directors and Exec Council), IESA and IESA Auto CIG Co-Chair
- Mr. Sanjay Gupta, IESA Auto CIG Co-Chair

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