

# FISITA2018

## Disruptive Technologies for Affordable and Sustainable Mobility

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**Presenter's Name:** Rakesh Bidre  
**Education:** Master in Science – BITS Pilani, Master in Science – Michigan University, Bachelors of Engg – Walchand College of Engineering  
**Company:** General Motors Technical Center India  
**Job Title:** Senior Engineering Manager  
**Paper Title:** Vehicle Dynamics, Noise&Vibration in Connected Vehicles



**Presenter's Name:** Raghuram Shastry  
**Education:** M. Sc in Electronics, PGDBA in Customer Relationship & Human Resource Management  
**Company:** General Motors Technical Center India  
**Job Title:** Engineering Group Manager  
**Paper Title:** Decoding Future of Infotainment in Automotive Industry



**Presenter's Name:** Ravishankar Rajaraman  
**Education:** MEng, Traffic Accident Research (2015), Graz University of Technology, Austria (2015), MS Automotive Engineering (2007), Lawrence Technological University, USA, BE Automobile Engineering (2003), M. H. Saboo Siddik College of Engineering, India  
**Company:** JP Research India Pvt. Ltd.  
**Job Title:** Technical Director  
**Paper Title:** RASSI crash investigation study and insights from RASSI data.



**Presenter's Name:** Dr. Henning Baumgarten  
**Education:** Study of Mechanical Engineering with majoring in Heat Engineering at RWTH Aachen  
**Company:** FEV Group GmbH  
**Job Title:** Group Vice President - Gasoline Powertrain Development  
**Paper Title:** Future Trends in Gasoline Powertrain



**Presenter's Name:** Yogesh Kumar Dewangan  
**Education:** M.Tech. in Machine Design from IIT Madras, 5+ years of experience in the area of automotive transmission, General Motors, Published 2 SAE papers (SIAT 2015 & SIIIMC 2016). Awarded 3 patents and 3 defensive publications.  
**Company:** General Motors Technical Center India  
**Job Title:** Lead Engineer – Gear shafts and power transfer  
**Paper Title:** Role of gear system in electric drives



**Presenter's Name:** Balaji Seenivasan  
**Education:** MBA, ME (Global Automotive and Manufacturing Engineering), BE Mechanical, More than 21 years in Automotive Engineering, having worked in Chassis Systems, CAE and Vehicle Development  
**Company:** General Motors Technical Center India  
**Job Title:** Engineering Group Manager  
**Paper Title:** Automotive Safety (Reimagining future Automotive safety)



**Presenter's Name:** Masaaki KUBO  
**Education:** Kyoto University; Master degree (Mechanical Engineering) at 1990 Tokyo University; Doctoral Degree at 2004  
**Company:** Nissan Motor Co., Ltd.  
**Job Title:** Alliance General Manager Powertrain and EV Engineering Division  
**Paper Title:** Proposal of New Powertrain Electrification Strategy for Sustainable Society



**Presenter's Name:** Wensi Jin  
**Education:** BSEE, The University of Texas at Austin  
**Company:** The MathWorks, Inc.  
**Job Title:** Automotive Industry Manager



**Presenter's Name:** Jorge Ramirez  
**Education:** - Experienced International General Manager with a demonstrated history of working in the automotive industry. Skilled in Engineering Management, Failure Mode and Effects Analysis (FMEA), Automotive Engineering, Business Process Improvement and Cross-functional Team Leadership. Professional graduated from the University of Michigan – Stephen M. Ross School of Business (MBA). Outside of GMTCI, I am the Managing Director - GMIO ME Vehicle Systems Team that consists of over 160 individuals.  
**Company:** General Motors  
**Job Title:** Director ME TCI & GMIO ME Vehicle Systems  
**Paper Title:** Manufacturing & Automation



**Presenter's Name:** M Gopi Sankar  
**Education:** B.E., M.S.  
**Company:** Ashok Leyland Ltd  
**Job Title:** General Manager – Product Development  
**Paper Title:** Frugal Engineering



**Presenter's Name:** Ajinkya Y. Bhawe  
**Education:** Ph.D. in Systems and Control, Carnegie Mellon University, M.S. in Robotics, Robotics Institute, Carnegie Mellon University  
**Company:** Siemens Industry Software India Pvt. Ltd.  
**Job Title:** Engineering Applications Manager - MBSE Solutions  
**Paper Title:** Applications of Machine Learning in Transmission and Powertrain Control



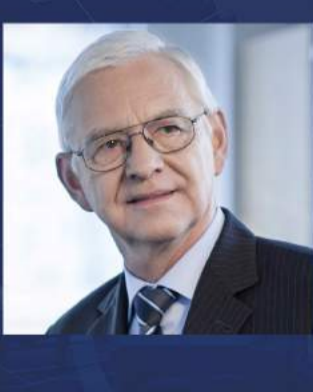
**Presenter's Name:** M P Raajha  
**Education:** B.E. (Mechanical)  
M.S (Machine Design) – IIT Madras  
M.PT (Mgmt Program for Technologists) – IIM Bangalore  
**Company:** Chassis Brakes International, Pune, India.  
**Job Title:** Vice-President & Director (Sales, Engineering, Project Mgmt)  
**Paper Title:** Evolution in Braking Systems - New Mobility



**Presenter's Name:** Dr Thomas Huelshorst  
**Education:** Dr. Engineer  
**Company:** FEV Group GmbH  
**Job Title:** Group Vice President Electronics & Electrification  
**Paper Title:** Next Generation EV Powertrain'



**Presenter's Name:** Dr. Roland Wanker  
**Education:** Studies in Chemical Engineering, PhD at the Technical University in Graz in 1999 in the field of "Numerical Simulation of Exhaust Aftertreatment Concepts"  
**Company:** AVL List GmbH, Graz, Austria  
**Job Title:** Manager – Global Business Segment "In-Vehicle Measurement"  
**Paper Title:** The Challenge "Real Driving Emissions"



**Presenter's Name:** Dr. Peter Heuser  
**Education:** Dr.-Ing. (Aachen University of Technology)  
**Company:** FEV Group GmbH, Aachen (Germany)  
**Job Title:** Group Vice President Commercial Powertrain  
**Paper Title:** Electrification advancement on commercial vehicle powertrain



**Presenter's Name:** Captain N. S. Mohan Ram, VSM, I,N (retired), FNAE  
**Education:** B.Tech (Hons)- IIT Kharagpur  
Advanced Warship Design- RNC, Greenwich, UK  
MBA (FMS- Delhi University)  
**Company:** TVS Motor Company Limited  
**Job Title:** Consultant (Advanced Engineering)  
**Paper Title:** Economically viable and environment-friendly recycling of End of Life Vehicles in India



**Presenter's Name:** Dr. Sivanandi Rajadurai  
**Education:** Ph.D. in Catalysis  
**Company:** Sharda Motor Industries Ltd.  
**Job Title:** Consultant (Advanced Engineering)  
**Paper Title:** Exhaust After treatment Challenges



**Presenter's Name:** Dr. Gotthard Rainer  
**Education:** 1973 Diploma Engineer, Mech. Eng., TU Darmstadt, Germany, 1973-1978 Assistant Prof., TH Darmstadt, Degree: PhD (Dr.-Ing.) since 1978 AVL (Finite Element) manager for CAD, CAE) since 1996 VP, BU "AVL Advanced Simulation Technologies"  
**Company:** AVL List GmbH, Hans-List-Platz 1, 8020 Graz, Austria  
**Job Title:** Vice President, Advanced Simulation Technologies  
**Paper Title:** Virtual Testing to Predict NVH of Electrified Powertrains



**Presenter's Name:** Koji Tamenori  
**Education:** Bachelor's Degree of Engineering ,Kansai University(1986)  
**Company:** Honda Cars India Limited HGID  
**Job Title:** Department Mmanager-Chief Engineer  
**Paper Title:** Global trend of Electrically Motorizing and Battery technology for vehicle



**Presenter's Name:** Mr. Stephan Tarnutzer  
**Education:** Executive MBA (Northwestern University Kellogg School of Management), MBA (Oakland University), Electrical Engineering (Zurich Technological University)  
**Company:** FEV North America, Inc.  
**Job Title:** Vice President, Electronics  
**Paper Title:** V2X – Many paths same goal



**Presenter's Name:** Elliot Devasagayam  
**Education:** M.S in Engineering Management from Oakland University, 21 years of Automotive Experiences and 18 years with GM.  
**Company:** General Motors Technical Center India  
**Job Title:** Engineering Group Manager  
**Paper Title:** Active & Passive Safety



**Presenter's Name:** Dr. Amod Anandkumar  
**Education:** PhD (Loughborough University, UK)  
**Company:** MathWorks India Pvt Ltd  
**Job Title:** Senior Team Lead – Application Engineering



**Presenter's Name:** R. Srinivas  
**Education:** AMIE, PGDip in Operations Management  
**Company:** Ashok Leyland Limited  
**Job Title:** General Manager & Chief Engineer Buses  
**Paper Title:** Use and need for light weight material for buses



**Presenter's Name:** Dr. Vineet David  
**Education:** PhD  
**Company:** COMSOL Multiphysics Pvt. Ltd.  
**Job Title:** Managing Director  
**Paper Title:** Simplifying Disruptive Innovation using Simulation Apps



**Presenter's Name:** Mr. Shinto Joseph  
**Education:** B.Tech Computer Science from Kerala University & MBA from Christ University  
**Company:** LDRA Technology Pvt Ltd(Subsidiary of LDRA UK)  
**Job Title:** Director – South East Asia Operations  
**Paper Title:** Emerging regulatory standards framework for Automotive Functional Safety and Security



**Presenter's Name:** Mr. Vittorio Manente  
**Education:** PhD in Internal Combustion Engines. Lund University, Sweden  
MSc in Mechanical Engineering. Politecnico di Torino, Italy  
**Company:** Aramco Overseas Company  
**Job Title:** Project Manager  
**Paper Title:** Gasoline Compression Ignition Technology for Light Duty Vehicles



**Presenter's Name:** Bhavesh Kumar  
**Education:** MS (Mechanical Engineering) from Stony Brook University, BE (Mechanical Engineering) from National Institute of Technology, Trichy  
**Company:** Dassault Systemes India Pvt. Ltd.  
**Job Title:** Brand Leader, SIMULIA India