

SPEAKERS



Ms. Shilpa Vyapari :
Founder and CEO, Indicus Software.



Ms. Farhana Haque:
Vice President & Business Head-Internet of Things (IoT), Vodafone Business Services, Vodafone India.



Mr. Ashutosh Pavaskar:
Director - CoE Head of Hardware and Embedded, Capgemini.



Mr. Sanjeev Telang:
Engineering Director, Trimble Inc.



Mr. Jayachander Sreegururaj:
Principal Engineer & Head, Autonomous & Sustainable Farming group, Mahindra Research Valley, Mahindra Auto & Farm Sectors.



Mr. Chandrakant Awate:
Asst. General Manager, TATA Motors, ERC, Pune.



Mr. M. M. Desai:
Dy. General Manager, Automotive Electronics Department, ARAI, Pune.



Mr. M. T. Ingale:
Dy. Manager, Learning Center, Academy, ARAI, Pune.

Note: Also speakers from other Industry are expected.

**3 Day Workshop on
Connected Vehicles**

4th to 6th October 2017

REGISTRATION FORM

| | |
|---|--|
| Name, Designation, Dept., Office No., Mobile No. & Email ID : | |
| Delegate - 1 | |
| Delegate - 2 | |
| Delegate - 3 | |
| Company Name & Address | |
| Co-ordinator's Name, Designation, Contact No., Email ID | |
| 100% Advance Payment Details | |

Please fax/email/post duly filled-in registration form on or before 3rd October 2017 to :
Dr. K. C. Vora, Sr. Dy. Director & Head, ARAI Academy
 ARAI Post Box 832, Pune 411004 / S. No. 102, Vetral Hill, Off Paud Road, Kothrud, Pune 411038
 Tel: 020-3023 1248/ 1245 /1111, Fax: 020-3023 1104
 Email: training.pga@araiindia.com; morgaonkar.pga@araiindia.com; patil.pga@araiindia.com



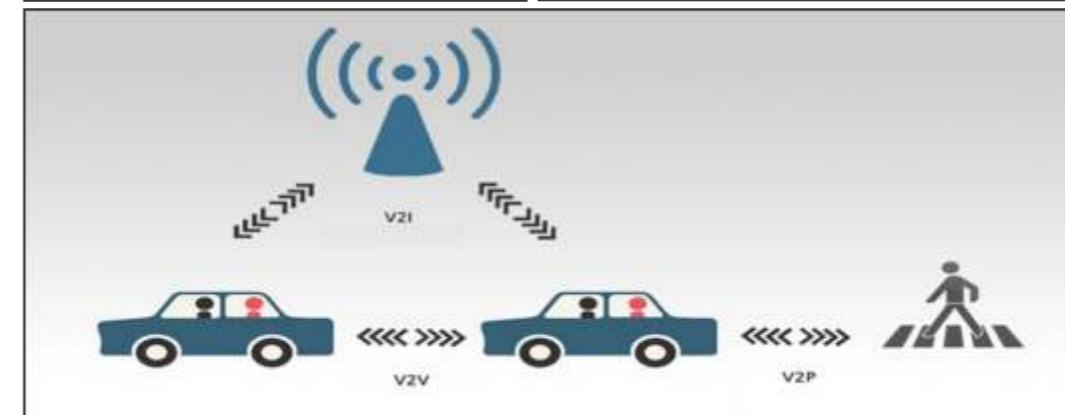
2015



2011

3 Day Workshop on

Connected Vehicles



at **ARAI, Kothrud, Pune**
 (The Automotive Research Association of India)

4th to 6th October 2017

Organized by



BACKGROUND & OBJECTIVES

Connected vehicles could dramatically reduce the number of fatalities and serious injuries caused by accidents on our roads and highways. While the number of people surviving crashes has increased significantly thanks to airbags, anti-lock brakes, and other technology, the focus from helping people survive crashes to preventing crashes from happening in the first place. This programme encompasses V2V, V2R Communications, Telematics, Intelligent Transportation System, Standardization of Vehicular Technologies, etc.

INTENDED LEARNING OUTCOMES

On completion of the module, the delegates should be able to:

- Deep Learning about the connected vehicle ecosystem.
- Discuss overarching trends, and impacts for safer, cleaner and more efficient transportation.
- Identify basic advanced safety, information and entertainment systems.
- Describe fundamental connected vehicle application variations (V2X, V2V, V2I, V2P) and begin to define their similarities and differences.
- Reference global market differences.
- Recognize general acronyms and terminology used in connected vehicle.
- Lead multi-disciplinary teams.
- Demonstrate independent learning ability necessary for conducting professional development.
- Become self-disciplined self-motivated, demonstrating personal responsibility in the pursuit of studies.



ARAI

PROGRAMME

Day One

- 08.30 - Registration & Breakfast
- 09.30 - Inauguration & Welcome Address
- 10.00 - Vehicle Connectivity, Intelligence and Automation
- 11.00 - Tea break and networking
- 11.15 - Vehicle-to-vehicle, vehicle-to-roadside communications
- 13.00 - Lunch
- 14.00 - Augmented reality for driving assistance
- 15.30 - Tea break and networking
- 15.45 - Growing role of Electronics in Connecting Vehicles
- 17.00 - Conclusion

Day Two

- 09.00 - Telematics overview: explore the beginnings of embedded navigation and how these systems have advanced to where they are today
- 10.00 - AIS 140 for Telematics
- 11.00 - Tea break and networking
- 11.15 - Telematics communication technologies and vehicular networks: wireless architectures and applications
- 13.00 - Lunch
- 14.00 - Intelligent transportation systems for safety, mobility, and sustainability
- 15.30 - Tea break and networking
- 15.45 - Software architectures, systems, applications, and ITS platforms
- 17.00 - Conclusion

Day Three

- 09.00 - Advancements in developments of cooperative vehicles and highways
- 10.00 - Role of Mobile Operators in Connected Vehicles
- 11.00 - Tea break and networking
- 11.15 - Use of telematics in improving public transport efficiency, construction supply chain, cold chain trucking
- 13.00 - Lunch
- 14.00 - Technology demo
- 15.30 - Tea break and networking
- 15.45 - Panel Discussion - Future of connected vehicles in India and infrastructure development for connected vehicles
- 17.00 - Conclusion

Note : ARAI reserves the rights to change the dates, schedule, contents, speakers, venue, etc. for the programme without any notice.

WHO SHOULD ATTEND ?

- Organizations involved in Technology Development of Connected Vehicle
- Vehicle Manufacturers
- Modeling & Simulation Software Suppliers
- Wireless Services Providers & Technology Developers
- Logistics & Transport Industry Professional
- Engineers who are interested in pursuing further studies on part time / full time basis.
- Engineering / consulting companies.
- Professors / engineering college students.

MODE OF PAYMENT

At Par / Multicity cheque or demand draft in favour of
The Automotive Research Association of India
 payable at Pune.

ARAI, over five decades, has provided its design and development expertise to the Indian automotive industry, focusing on the testing and evaluation of components and systems to meet national and international standards. ARAI strives to achieve international recognition in these areas. In keeping with the globalization of economy and business, ARAI continues to enlarge its scope of services to meet the requirements of automotive industries around the world. In addition to utilizing state-of-the-art technology, laboratories and highly-trained personnel, ARAI recognizes the need to develop a new generation of engineers to meet the demands of the automotive industry, not just in India but across the globe.

ARAI ACADEMY is classified into three divisions:

LEARNING CENTRE has embarked upon a programme of building up human resources by commencing educational programme (Graduate, Post graduate & Doctoral) with specialization in Automotive Engineering. It has tied up with VIT University (Vellore), Veltech University (Chennai), College of Engineering (Pune), Christ University (Bangalore), University of Alabama (USA), Tennessee Tech University (USA), Loughborough University (UK) and University of Braunschweig (Germany).

KNOWLEDGE CENTRE It has collection of around 23,000 books, standards, project reports, seminar/conference proceedings and around 75,000 SAE technical papers. It also has 237 eBooks. It subscribes to 40 national and

REGISTRATION FEES

| Category | Registration Fees (Rs.) (per participant) | Total Fees including Tax of 18% (Rs.)* (per participant) |
|------------------------------|--|---|
| Engineers & Professionals | 18,000.00 | 21,240.00 |
| Teaching Faculty | 12,000.00 | 14,160.00 |
| Engineering College Students | 6,000.00 | 7,080.00 |

*GST is as applicable at the time of program.

Registration fees include:

- Breakfast
- Lunch
- Delegate Kit

international journals. It regularly publishes a monthly magazine 'Automotive Abstracts'. It also conducts literature / patent search for customer's projects.

TRAINING CENTRE: In line with Post Graduate and Doctoral Programs conducted by various universities abroad, ARAI Academy has devised various Proficiency Improvement Programmes (PIPs), to be taught by ARAI, Academia & Industry Experts. PIP gives engineers, faculty and student's knowledge and technical expertise in a wide range of automotive disciplines. It helps in understanding system's view point for automotive design and manufacture, with specific skills in formulating automotive engineering solutions in terms of their function and performance, through optional modules. Based on the present system in universities, credits are proposed for each module, so that the graduate engineers can attend various modules and sum-up the credits required for Master's or Doctoral Programs. Participants also get chance to visit related laboratories of ARAI and get hands on experience. Certificates are issued on the basis of attendance & written test conducted at the end of the programme. We also conduct Training Programmes through WEBEX and Domain Training Programmes for Automotive Industry.

Please visit www.araiindia.com for more information.