International Eminent Speakers

Dr. Ashley Fly
Lecturer in vehicle electrification, Loughborough University, UK.

Dr. Senthilarasu Sundaram
Senior Lecturer, Environment and Sustainability Institute, University of Exeter, UK

Mr. Alex Thirkell
Research Assistant, Methanol Fed High Energy, Loughborough University, UK.

Industrial Eminent Speakers

Mr. Manikandan P (MK)
Head of Engineering - E mobility Solutions RBEI (Bosch), Coimbatore, India

Mr. Ramachandra Ragupathy
PTS India R&D Director at Valeo, Chennai, Tamil Nadu, India

Mr. Swaroop Sundararajan
Site Leader - Electronics at Delphi Technologies Bengaluru, India

Mr. Ganesh Sankar
Senior Technical Manager at Delphi Technologies Bengaluru, India

Mr. Giridhar Raju
Founder - Apeiron Mobility, Bangalore, India

Academic Eminent Speakers

Dr. R. Manoharan
Former Professor, Electrochemical Energy Materials Laboratory, PSG college of Technology, Coimbatore.

Dr. P. Karthikeyan
Professor, Department of Automobile Engineering, PSG college of Technology, Coimbatore, India.

Dr. S. Denis Ashok
Professor, VIT, Vellore, India

Dr. D. Elangovan
Associate Professor, VIT, Vellore, India

Dr. Ramesh Kumar C
Professor, VIT, Vellore, India

Dr. Thundil Karuppa Raj R
Professor, VIT, Vellore, India

Vellore Institute of Technology (VIT)

Vellore Institute of Technology was founded in 1984 as Vellore Engineering College by the Founder and Chancellor Dr.G.Viswanathan. University status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives.

Ranking & Accreditation

Vellore Institute of Technology (VIT) has emerged as one of the best institutes of India and is aspiring to become a global leader. Quality in teaching-learning, research and innovation makes VIT unique.

- Recognized as Institution of Eminence (IoE) by Government of India.
- Ranked 18th in Engineering Category and 19th among all universities in India 2019 - The National Institutional Ranking Framework (NIRF), Govt. of India.
- Named as the most .innovative private institution- ARIIA (Atal Ranking of Institutions for Innovation Achievements) 2019, Govt. of India.
- Ranked in the top 271-280 in 2018 (QS- ASIA Ranking) and 176th in 2018 (QS –BRICS Ranking).
- Ranked 801-1000 World University Ranking - QS and THE Ranking.
- Accredited 3 times : 10 B.Tech. programs in Vellore Campus and 4 B.Tech. Programs in Chennai Campus - ABET (Accreditation Board for Engineering and Technology Inc, USA)
- Ranked No.1 Private Institution of India, 2018, Career 360 Survey.

School of Mechanical Engineering (SMEC)

The School of Mechanical Engineering is amongst the premier schools of VIT functioning right from 1984. The school has five departments with a team of highly qualified faculty members, many holding Ph.D. from the elite institutes across the globe, to teach and train the best minds of this country.

Strengths of Mechanical Engineering at VIT

- Three of the Bachelor's Degree Programme offered by the School, B.Tech. Mechanical Engineering, B.Tech. Mechanical with Specialization in Automotive Engineering, B.Tech. Production Engineering and B.Tech. Mechanical with Specialization in Energy Engineering are accredited by ABET.
- Sophisticated Laboratories - 30+ Labs and 4 Research Centres DST-FIST sponsored Labs.
- MoUs with Universities abroad & Approval of International PG program through Erasmus+ scheme.
- Significant research funding from International funding agencies such as Erasmus+, DST-UKIERI, Royal Academy of Engineering, Indo-German, Indo-Egypt, BRICS, USIEF.
- Significant research funding from several government agencies such as DST, DRDO, MNRE, CSIR, CVRDE, CPDO, IE, AR&DB, CVRDE, BRNS, ISRO, UGC, NRB, AICTF.

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(Deemed to be University under section 3 of UGC Act, 1956)

3 Day International Workshop on

E-Mobility Development for Green India

Jan 31th – Feb 02nd 2020

Organised By

Department of Automotive Engineering
School of Mechanical Engineering
Vellore Institute of Technology, Vellore, India.

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Dr. Denis Ashok, SMEC, VIT Vellore
Dr. Elangovan D, SELECT, VIT Vellore

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Day I (31.01.2020) Friday

Guest Speakers	Theme Features / Schedule of Presentations
Registration	8.30 AM to 9.30 AM
Chief Guest: **Mr. Manikandan P (MK)** RBEI (Bosch), Coimbatore, India **Guest of Honour:** **Dr. Ashley Fly** Loughborough University, UK	Inauguration 9:30 AM to 10:30 AM Venue : Rajaji Hall, MGR Block
Tea Break (10:30 AM to 11:00 AM)	
Dr. Ashley Fly Loughborough University, UK	Battery Electric Vehicles 11:00 AM to 1:00 PM
Lunch Break (1:00 PM to 2:00 PM)	
Mr. Manikandan P (MK) RBEI (Bosch), Coimbatore, India	Architecture and Global Scenario of Electric Vehicles 2:00 PM to 3:15 PM
Tea Break (3:15 PM to 3:30PM)	
Mr. Alex Thirkell Loughborough University, UK	Fuel Cell Vehicles 3:30 PM to 4:30 PM
Dr. Thundil Karuppa Raj R VIT, Vellore, India	CFD Simulation of PEM Fuel Cells 4.30 PM to 5.30 PM
Dr. Ramesh Kumar C VIT, Vellore, India	Autonomous Vehicles Lab Visit 5:30 PM to 6:00 PM

Day II (01.02.2020) Saturday

Guest Speakers	Theme Features / Schedule of Presentations
Dr. R. Manoharan PSG Tech, Coimbatore, India	Development of Electrode Materials for EV/Lithium Ion Batteries - 9:00 AM to 10:15 AM
Tea Break (10:15 AM to 10:30 AM)	
Mr. Swaroop Sundararajan Delphi Technologies	Electric Mobility Solutions 10:30 AM to 11:45 PM 11:45 AM to 1:00 PM
Mr. Ganesh Sankar Delphi Technologies	
Lunch Break (1:00 PM to 2:00 PM)	
Dr. Senthilarasu Sundaram University of Exeter, UK	Solar Operated Electric Vehicles 2:00 PM to 3:00 PM
Dr. P. Karthikeyan PSG Tech, Coimbatore, India	New Energy materials and novel flow field design for design and development of Fuel cell Powered Vehicle - 3:00 PM to 4:15 PM
Tea Break (4:15 PM to 4:30 PM)	
Dr. P. Karthikeyan PSG Tech, Coimbatore, India	Hands on Experience on Fuel Cells Lab 4:30 PM to 6:00 PM

Day III (02.02.2020) Sunday

Guest Speakers	Theme Features / Schedule of Presentations
Dr. S. Denis Ashok VIT, Vellore, India	Design and Simulation of control system architectures for EV 9:00 AM to 10:15 AM
Tea Break (10:15 AM to 10:30 AM)	
Mr. Giridar Raju Founder - Apeiron Mobility, Bangalore, India	Power train for Electric Vehicles 10:30 AM to 11:45AM
Dr. D. Elangovan VIT, Vellore, India	Wireless chargers and converters for EV 11:45 AM to 1:00 PM
Lunch Break (1:00 PM to 2:00 PM)	
Mr. Ramachandra Ragupathy Valeo GEEDS India Pvt. Ltd. Chennai, India	Electric Drives & Systems Integration 2:00 PM to 3:30 PM
Tea Break (3:30 PM to 4:00 PM)	
Chief Guest: **Mr. Ramachandra Ragupathy** Valeo GEEDS India Pvt. Ltd. Chennai, India **Guest of Honour:** **Mr. Giridar Raju** Founder - Apeiron Mobility, Bangalore, India	Valedictory Function 4:00 PM to 5:00 PM Venue : Rajaji Hall, MGR Block

About the Workshop

This Workshop aims to provide the opportunity for the participants to gain detailed understanding of latest technologies and innovations in the field of E-Mobility. This will enable the participants to enhance their knowledge to identify the areas of research in design & developement of electric vehicle, capable of using renewable sources of energy for mobility preventing further depletion of fossil fuels.

Who can Apply?

Students, Research scholars, Faculty members and Industrial experts of engineering discipline interested to learn in the field of electric vehicle technology are encouraged to apply.

Registration Fee

Students & Full Time Research Scholar	: ₹. 1000/-
Faculty Members	: ₹. 1500/-
Industry Persons	: ₹. 2500/-

Registration charges include workshop kit, working lunch and high tea. Certificate will be issued to all the participants.

Accommodation

Shared accommodation in the hostels can be arranged on payment basis provided the requests are made in advance.

Registration

Last date for registration - 24th Jan 2020

For registration please use below link

(Online Registrations are compulsory and Spot Registrations are subjected to availability)

http://info.vit.ac.in/events-vit/E-Mobility/apply.asp

Scan for Registration, Vellore