

Knowledge Exchange Symposium on E-mobility

on
28th October 2019
at

Mascot Hotel, Thiruvananthapuram

Jointly organized by



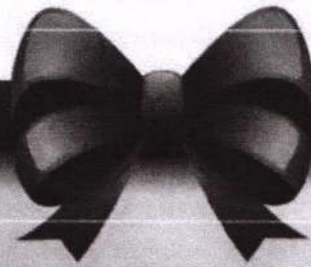
Department of Transport and Higher Education
Govt. of Kerala.



BIRMINGHAM CITY
University
United Kingdom



APJ Abdul Kalam
Technological University
Kerala



Sree Chitra Thirunal
College of Engineering
Thiruvananthapuram, Kerala

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Trivandrum - 18



About the Symposium

The climate change is one of the biggest challenges we face, environmentally, economically and socially. The air pollution from road transport is a significant contributor to global warming. The transition to a low carbon economy, in particular the development and progressive deployment of zero emission vehicles, brings real economic, health and environmental benefits for all, and better spatial planning and strategic investments with green public procurement.

Government world over are pondering on how to implement transition from fossil fuel vehicle to E vehicles. The Government of Kerala has announced an Electric Vehicle (EV) policy for the state. One target is to procure 6,000 electric buses for the State Road Transport Corporation by 2025. Other vehicles powered by electricity are to be progressively phased in. Charging stations will be set up. Use of E-rickshaws is to be expanded through state-owned Kerala Automobiles Ltd. Subsidies and other incentives would be given, from both central and state Governments.

In this regard, Govt. of Kerala has initiated a number of steps for interactions with academia, research and industry in India and abroad, and general public to find ways for effective implementation and for finding solutions which may be most suitable for Kerala. The symposium brings together people from different organizations and Government to discuss this issue.

This symposium is jointly organized by Department of Transport and Higher Education Govt. of Kerala, APJ Abdul Kalam Technological University and Sree Chitra Thirunal College of Engineering, Thiruvananthapuram

Salient features of the symposium:

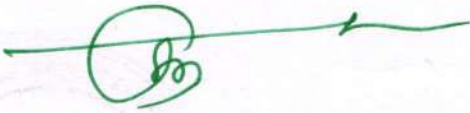
- MoU between Birmingham City University, APJ Abdul Kalam Technological University and Sree Chitra Thirunal College of Engineering
- Presentations by Govt. of Kerala officials
- Presentations by representatives of Industries/MNCs
- Presentations by faculty / research of Birmingham City University and Sree Chitra Thirunal College of Engineering faculty/researchers



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Programme

9:00 am - 09:30 am	:	Registration
9:30 am - 11:00 am	:	Inaugural Session
		Prayer
Welcome	:	Sri. K R Jyothilal IAS Principal Secretary, Transport Government of Kerala
Presidential Address	:	Dr. Usha Titus IAS Principal Secretary, Higher Education Government of Kerala
Inauguration	:	Sri. A K Saseendran Hon'ble Minister for Transport Government of Kerala
Exchange of MOU	:	VC- KTU, VC- BCU, Principal -SCTCE
Setting the Agenda	:	Dr. K Prabhakaran Nair Principal, SCTCE
Keynote Address	:	Prof. Julian Beer Deputy Vice Chancellor, BCU
Vote of Thanks	:	Prof. M R Sarathchandradas Dean PG Studies SCTCE
11:00 am - 11:30 am	:	Tea Break
11:30 am -11:50 am		
Perspectives on International Collaborations	:	Dr. Rajasree M S Hon'ble Vice Chancellor, APJ Abdul Kalam Technological University,


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Presentations by Public Sector undertakings, Cochin

- 11:50-12:00 Sri. Joseph V.K, Chief Engineer, Renewable Energy Division, KSEB - Kerala
12:00-12:10 Sri. A. M. Narayanan, Senior Energy Consultant, EMC - Salient features of E...
12:10-12:20 Col. Shaji M. Varghese, MD, KEL - Industrial transition for Electric mobility
12:20-12:30 Smt. T.R. Hemalatha, MD, KELTRON - Charging infrastructure & battery
12:30-12:40 Sri. Chandrasekar V, Associate Director, CDAC - Power Electronics required for X-EV & Jua...
conditions
12:40-12:50 Sri. Shajahan Ahamed Kirya, MD, KAL - Sustainable development for E-mobility
01:50-01:00 Sri. Vijayan Narayanan, Entique E-Mobility - Advances in electrical vehicle technology & its development
requirement in India
01:00-02:00 Lunch Break

Project Presentations by BCU, United Kingdom

- 02:00-02:10 Dr. Panagiotis Rentzas, BCU - Psychological and social factors influencing new technology/E-Mobility
adaptation
02:10-02:20 Dr. Venkatesh Vijay, BCU - Engineering the Future of E-Mobility: Knowledge Based Engineering (KBE)
at the Centre of E-Mobility Technologies.
02:20-02:30 Professor Chumboro Athwal, BCU - Academic and Associate Dean (BCU): Digital Revolution for
Manufacturing
02:30-02:40 Professor Alison Hancock, BCU - STEAM as a new methodology
02:40-02:50 Professor Mulkhan Singh - Magnesium Light Weighting

Project Presentations by SCTCE

- 03:00-03:10 Dr. K. Prabhakaran Nair
03:10-03:20 Dr. Mohan G, DST-NFTDC Research Project on Metal Hydride Based Hydrogen Storage and Sorption
Cooling Systems
03:20-03:30 Dr. Pradeesh U, Fuel Cell two Wheeler
03:30-03:40 Sri. Sajith Sethu, Security Design for Vehicular Communication Applications
03:40-03:50 Dr. Bobby Philip, Integration of renewable energy for office/workplace charging stations
03:50-04:00 Sri. Chitralakshmi V.K, Experimental Analysis of Pulsating Heat Pipe Based Thermal
Management System for Motor Cooling in Electric Vehicles
04:00-04:10 Dr. Shreya M.K, Holographic data storage & security applications
04:10-04:20 Dr. Ramesh Kumar R - Bamboo framed structure for Transport vehicles
04:20-04:45 Tea Break
04:45-05:45 **Meeting to identify the area of collaboration, formulate and review draft MoAs between
Hon'ble Minister for Transport, Principal Secretary to Transport, Principal Secretary to
Higher Education, Representatives of BCU, KTU & SCTCE**
06:00-07:30 Cultural Programmes
07:30-09:00 Dinner



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