Electric Vehicles

Seminar Series on Selected Topics in Electrical and Electronic Engineering—2017

Venue: Billings Room
DATE: Thursday, 16th February, 2017
TIME: 3:00 - 4:00PM

Abstract

Electric vehicles have finally gained momentum with the introduction of mainstream electric cars. This talk will give an overview about EV technology as well as available EV charging standards and charging network solutions. The Western Australian EV Trial with 11 converted Ford Focus and 23 Level-2 charging stations was the first of its kind in Australia and ran from 2010-2013. Hundred thousands of data records from EV movements and EV charging events have been collected over the trial period and statistically evaluated. The trial results in terms of user acceptance, charging behavior and future infrastructure planning will be discussed, addressing also potential economic, health and environmental effects, as well as possible impacts for power utilities and the electricity grid.

About the presenter

Thomas Bräunl is Professor at The University of Western Australia, Perth, where he directs the Renewable Energy Vehicle Project (REV), having converted several road-licences cars to battery-electric drive. He is Technical Director of the West Australian Electric Vehicle Trial and the Principal Investigator of the ARC Electric Vehicle Fast-Recharging Project. He has worked on Driver-Assistance Systems with Daimler and on Electric Vehicle Charging Systems with BMW. Professor Bräunl holds a Diploma from Univ. Kaiserslautern, Germany, a M.S. from USC, Los Angeles, and a PhD and Habilitation from Univ. Stuttgart.

Upcoming Seminars

- Optimal Planning of Power Distribution Networks in Rural Areas - by Mr. James Fletcher
  and more - Click here for details of future seminars