

Technical Visit to Automotive Parts and Accessory Systems (APAS) R&D Centre

Organized by: Informatics and Control Technologies Section, IET Hong Kong.

Date & Time: 18 February 2012 (Saturday), 09:30 – 12:00

Venue: APAS R&D Centre, 4/F, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong.

Speakers: Staff from APAS R&D Centre

Language: Chinese with English Terminology

Fees: Free of charge

Participants: 30 (max.), on first-come first-served basis

Registration: www.theiet.org.hk

Enquiry: Dr. Jacob Cheung, Email: jacob.cheung@theiet.org

Battery Management System for Electric Vehicles

An efficient Battery Management System (BMS) is crucial to ensure the optimal use of the energy of battery pack energy in an Electric Vehicle (EV). It is capable of preventing the batteries from being damaged throughout frequent charging and discharging processes. The BMS should also be capable of reporting the State-Of-Charge (SOC) of the battery pack accurately, a.k.a. the “energy bar” of EVs. APAS developed a BMS with above initiatives and incorporated it with a user friendly interface.

20kW Smart Charging Station with Professional E-payment System for Electric Vehicles

APAS developed a 20kW Smart Charging Station with Professional E-payment System for Electric Vehicles. The charging station supports worldwide industrial EV charging standards, including CHAdeMO and SAE J1772 standard and integrated with local smartcard e-payment system. The stylish, slim charging station kiosk is designed to accommodate the limited space criteria in city parking slot.