



Future Power Electronics Applications

| Time | 11 th Dec. Day 1 | Time | 12 th Dec. Day 2 | Time | 13 th Dec. Day 3 | | | | | |
|---|--|---|--|--|---|---|---|-----------------------------|--|--|
| 8:30 ~ 9:00 | Registration | 8:30 ~ 9:00 | Registration | 8:30 | Departure from Hong Kong Polytechnic University to CLP <i>Core A, PolyU Fountain</i> | | | | | |
| 9:00 ~ 9:10 | Open Ceremony Prof. Eric Cheng PESA Conference Chairman <i>Room: Z2-035</i> | 9:00 ~ 9:45 | Keynote Speech Wireless Power Transfer: A Critical Review Prof. Ron Hui Chair of Power Electronics, University of Hong Kong <i>Room: Z2-035</i> | 9:15 ~ 10:15 | (CLP) Smart Grid Centre Visit CLP Power Hong Kong Limited opened its Smart Grid Experience Centre in June 2011, which is the first exhibition and education facility of its kind in Hong Kong. The Centre helps raise public awareness of smart grid by showcasing the features and benefits of smart grid together with the latest smart grid-specific technology and development.  | | | | | |
| 9:10 ~ 9:55 | Keynote Speech Build A Power Electronics Super-Grid Prof. Keyue Ma Smedley Director of the UCI Power Electronics Laboratory <i>Room: Z2-035</i> | 9:45 ~ 10:30 | Keynote Speech Electric Machines-The Enabling Technology for a New Wave of Electrification Prof. Patrick Chi Kwong LUK Head of Electric Power and Drives Group, School of Engineering, Cranfield University <i>Room: Z2-035</i> | 10:20 ~ 11:20 | (CLP) Power Quality Workshop Visit CLP established the Power Quality Workshop in Hong Kong in 2004 to provide a better understanding of the vital issue of power quality to the industry and our corporate customers. The Workshop features exhibits that illustrate the causes of voltage dips and harmonic distortions as well as the corresponding potential impacts on electrical equipment.  | | | | | |
| 9:55 ~ 10:40 | Keynote Speech A Fuel Cell Uninterruptible Power Supply (FC-UPS) System Prof. Xu Dehong Vice President of China Power Electronics Society <i>Room: Z2-035</i> | 10:30 ~ 11:00 |  Tea Break  | 12:30 ~ 14:00 |  LUNCH  <i>Chinese Restaurant in ShamShuiPo</i> | | | | | |
| 10:40 ~ 11:10 |  Tea Break  | 11:00 ~ 12:30 | Session Renewable Energy Smart Building Wind Energy Finite Element Analysis <i>Room: Z2-035</i> | 15:30 ~ 17:30 | HK Science & Technology Parks Science Explorer Visit | | | | | |
| 11:10 ~ 12:40 | Plenary Session Wind Power Charger Electric Vehicle <i>Room: Z2-035</i> | 12:30 ~ 14:00 |  LUNCH  <i>Conference Christmas Buffet Lunch, Regal Kowloon Hotel – Cafe Allegro (in TST East)</i> | | Inno Nest Inno Nest draws visitors into an intriguing environment where an augmented reality is brought to life, where a brain-computer interface can be tried, and where emotional responses can be detected and analyzed. | | | | | |
| 12:40 ~ 14:00 |  LUNCH  <i>Communal Building, Core S, 4th Floor Chinese Restaurant</i> | 14:00 ~ 15:40 | Technical Session | | CKK Showcase Four zones: the first zone is dedicated to Prof. Charles K. Kao's life and accomplishments while the remaining zones highlight the basic concept of fibre optics, photo taking with Professor Kao, its various applications in daily life and future developments. | | | | | |
| 14:00 ~ 15:40 | Technical Session | 15:40 ~ 16:05 |  Tea Break  | | Green Concept Showcase <ul style="list-style-type: none">◆ Natural daylight utilization◆ Solar water heater◆ Energy efficient lighting◆ Office energy management◆ Operable vertical louver facade◆ Wind turbine◆ Rainwater recycling system◆ Hybrid ventilation◆ Green roof  | | | | | |
| 15:40 ~ 16:05 |  Tea Break  | 16:05 ~ 17:45 | Technical Session | 17:30 | Return to Hung Hom | | | | | |
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For the whole day of 11th December, there is a test drive activity of BYD E6 electric vehicle in Y core Ground.

