







# 14<sup>th</sup> Dec 2016 International Symposium on Electrical Engineering (ISEE)

**Location: Y303**

Time	December 14 <sup>th</sup>	Time	December 14 <sup>th</sup>
8:30~9:00	Registration		
9:00~9:10	Open Ceremony Prof. Eric Cheng ISEE Conference Chairman		Speech 6 Compensation Control of the Direct Drive Wave Energy Generator for Stable Energy Output B. Zhang, J. Yuan, J. Luo, X. Wu, J.F. Pan Speech 7 Energy Management Strategy for Parallel Connected ESSs in DC Microgrid with RE Generation Y.C. Fong, J. Hu, K.W. E. Cheng Speech 8 Lithium-titanate battery (LTO): A better choice for High current equipment J. Mei ,Eric K. W. Cheng , Y. C. Fong
9:10~9:50	<b>Keynote Speeches</b>  Prof. Fu Weinong A Unified Theory of Flux-modulated Electric Machines  Prof. Eric Cheng Energy Management System for Mobility and Smart City	12:20~14:00	 <b>LUNCH</b>  Communal Building Core S 5 <sup>th</sup> Floor
			16:00~16:20  <b>Tea Break</b> 
Session I 9:50~11:00	<b>Electric Vehicles</b>  Speech 1 Performance analysis of Magnet-less Laminar Motor used for HEV/EV Applications T.F. Song H.J. Liu W. Liu Z.Y. Zhang Speech 2 Robust Unit Commitment With high penetration of renewable energy based on demand response and power consumption contract of electrical vehicles Q. Li, Y. Su, W. Nie, M. Tan Speech 3 Investigation of Energy Distribution and Power Split of Hybrid Energy Storage Systems in Electric Vehicles X. D. Xue, K. W. E. Cheng, Raghu Raman S, Y. C. Fong, and X. L. Wang Speech 4 Forecast of Urban EV Charging Load and Smart Control Concerning Uncertainties X. L. Wang, Y. Nie, K.W.E.Cheng, and J. Mei	Session III 14:00~15:00	<b>Electric Machines</b>  Speech 9 Position control for the linear compound switched reluctance machine W. Wang, B. Zhang and J. F. Pan Speech 10 A Two-degree of Freedom Spherical Motor Y. Zou Speech 11 Design of a Motor's Waste Heat Power Generation System Based on Thermoelectric Generators S. Li, K. W. Eric Cheng Speech 12 Torque Analysis for In-wheel Switched Reluctance Motors with Varied Number of Rotor Poles J. Zhu, K.W, Eric Cheng, X. D. Xue Speech 13 All-electric intelligent anti-lock braking controller for electric vehicle for complex road condition C. D. Xu, K. W. Eric Cheng
			Session V 16:20~17:00
			<b>Power Electronics for Green Technology</b>  Speech 18 A New Bidirectional DC-DC Converter with a High Step-up/down Conversion Ratio for Renewable Energy Applications M. Chen, K. W. Eric Cheng Speech 19 A Six-phase Bi-directional Interleaved Converter S. Raman, Y. C. Fong, X. D. Xue, K. W. E. Cheng Speech 20 Large-scale implementation of grid-connected rooftop solar photovoltaic system in India- potential, challenges, outlook, and technical impact Adithya S N
11:00~11:20	 <b>Tea Break</b> 		
Session II 11:20~12:20	<b>Integration of Renewable Energy</b>  Speech 5 Coordinative optimization on Fatigue Distribution and Active Power in Wind Farms Q. Li, Y. Su, M. Tan	Session IV 15:00~16:00	<b>Power Conversion</b>  Speech 14 Distributed Hierarchical Control Strategy for Formation Motion of Multiple Differential-drive Wheeled Robots Wufeng Rao, Bo Zhang, Jianping Yuan, Jianjun Luo, J.F. Pan Speech 15 Compensation Power Generation for Linear Switched Reluctance Generators Qianlong Li, Bo Zhang, J.F.Pan
			Session VI 17:00~17:40
			<b>High speed railways</b>  Speech 21 Electromagnetic Scattering of High Power Traction Transformer in High Speed Railway Based on FEM C.D. Xu, K. W. E. Cheng , Y.Zou, X.L.Wang, S.R.Raman, X.D.Xue Speech 22 A polymer Bonded Grided box EMI shielding method based on for high speed railway C.D.Xu, K.W.E.Cheng, Y. Zou, H.F.Ho, X.L. Wang Speech 23 The low frequency conductive and ratio EMI and EMC analysers in high speed railway C. D. Xu, K. W. Eric Cheng, Y. Zou, X. L. Wang