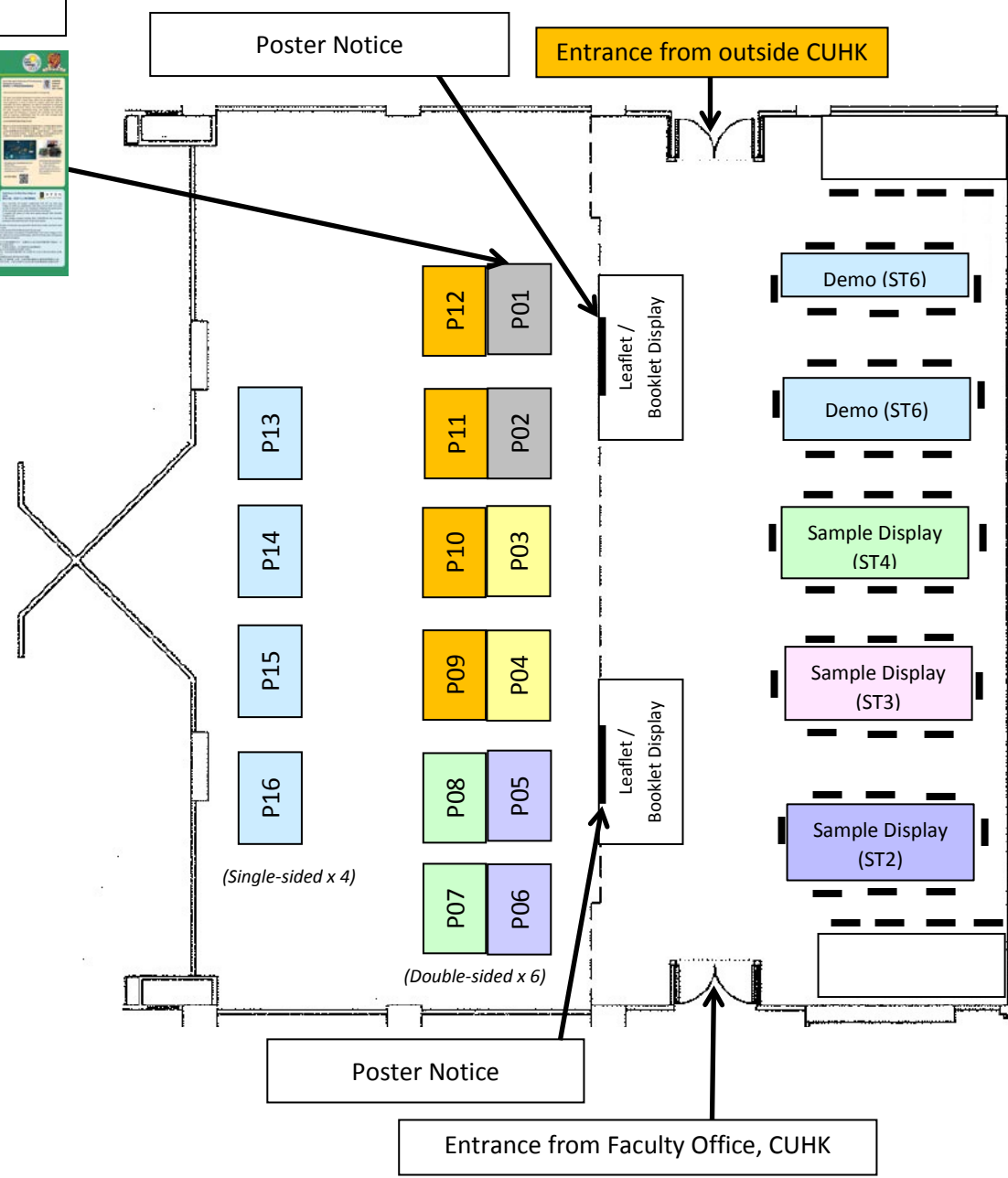


Theme-based Research Scheme (TRS) Project
"Smart Solar Energy Harvesting, Storage and Utilization" (T23-407/13-N)


Floor Plan of SHB 603 – Poster Session and Demo of Work

28 – 29 May 2018


Introduction poster for TRS Project "Smart Solar Energy Harvesting, Storage and Utilization"





全港首個智慧型電氣負載控制器
 Smart Real-time Demand Controller
 Prof. Zhao XU (EE/PolyU)




Software Demo for Renewable Prognosis
 Prof. Zhao XU (EE/PolyU)



鋅-碘溴液流電池 (ZIBB)
 High-energy-density zinc/iodine-bromide redox flow battery (ZIBB)
 Prof. Yi-Chun Lu (MAE/CUHK)



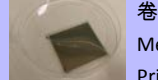
微纖維紅磷
 Micro-fibrous phosphorus
 Prof Jimmy Yu (CHEM/CUHK)



稀土敏化上轉換材料 Lanthanide-sensitized oxide upconversion powder
 Prof. Jianfang Wang (PHY/CUHK)



卷對卷印刷系統所製造之晶體管的第一層
 First Layer of FET (Field-effect Transistor)
 Fabricated by Roll-to-roll Printing System
 Prof. Shih-Chi Chen (MAE/CUHK)



卷對卷印刷系統所製造的金屬網格
 Metal Grids Fabricated by Roll-to-roll Printing System (Prof. Shih-Chi Chen (MAE/CUHK)



新型有機太陽能電池
 New Organic Photovoltaic (OPV)
 Prof. Henry Yan (CHEM/HKUST)

TRS Project Workshop for Smart Energy Distribution and Utilization 2018

Poster Session

28 - 29 May 2018

Poster no.	First Name	Last Name	Poster title	Department/ Affiliation	Supervising professor
P01			Introduction for TRS Project "Smart Solar Energy Harvesting, Storage and Utilization" - 1		
P02			Introduction for TRS Project "Smart Solar Energy Harvesting, Storage and Utilization" - 2		
P03	Minchao	QIN	Applications of Fused-Ring Electron Acceptor ITIC-Th in Perovskite Solar Cells	PHY/CUHK	Xinhui LU
P04	Shu	ZHOU	Controlled Ag Doping towards Efficient Charge Transport in CsPbBr ₃ Nanocrystals	PHY/CUHK	Xinhui LU
P05	Shenghe	ZHAO	Passivation Engineering for Perovskite Solar Cells with Enhanced Stability and Performance	EE/CUHK	Jianbin XU
P06	Tiankai	ZHANG	Synergetic Effect of Organic and Halide Ions on Stability and Opto-electrical Properties of Perovskites	EE/CUHK	Jianbin XU
P07	Yang	ZHOU	Bandgap and Composition tuning of Hybrid Perovskites Towards Highly Efficient Solar Energy Harvesting	EE/CUHK	Ching-Ping WONG
P08	Junling	XU	Na ₃ V ₂ (PO ₄) ₂ O ₂ F for Cathode Material of Sodium Ion Battery: Influence of Morphology and Voltage Window	EE/CUHK	Ching-Ping WONG
P09	Diwei	ZHU	Optimal Coordinated Control of Multiple Battery Energy Storage Systems for Primary Frequency Regulation	IE/CUHK	Yingjun Angela ZHANG
P10	Chaorui	ZHANG	A Broker-based Transactive Energy Framework in Networked Microgrid Systems	IE/CUHK	Yingjun Angela ZHANG
P11	Hanling	YI	Impact of the Uncertainty of Distributed Renewable Generation on Deregulated Electricity Supply Chain	IE/CUHK	Minghua Chen
P12	Lei	DENG	Energy-Efficient Timely Transportation of Long-Haul Heavy-Duty Trucks	IE/CUHK	Minghua Chen
P13	Youwei	JIA	Lab MG Field Demonstration	EE/PolyU	Zhao XU
P14	Youwei	JIA	Smart Real Time Demand Controller Part II	EE/PolyU	Zhao XU
P15	Minghao	WANG	Smart Real Time Demand Controller Part I: Theory & Control	EE/PolyU	Zhao XU
P16	Minghao	WANG	Granule-based Probabilistic Interval Forecast for Solar Irradiance	EE/PolyU	Zhao XU