

Concurrent session 5: Interdisciplinary Physics

Friday, July 27, 2018

14:00 – 17:55	Concurrent session 5: Interdisciplinary Physics
Venue:	Anthony Lau Building (E4), E4-3053
Chairpersons:	1. Hui Pan 2. Yuan Cheng
14:00 – 14:25	Keynote presentation
	Mechanical Properties of Silkworm Silk and its Applications Yuan Cheng, Institute of High Performance Computing. MC: Hui Pan
14:25 – 15:40	Invited presentations
14:25 – 14:40	Multifunctional materials based on cellulose Haisong Qi, South China University of Technology. MC: Hui Pan
14:40 – 14:55	Preparation, Structures, Properties of Natural Wood Fibrous Composite Materials: From Micron to Nanoscale Detao Liu, South China University of Technology. MC: Hui Pan
14:55 – 15:10	Structural engineering pseudocapacitive performance of spinel cobaltite MCo_2O_4 ($\text{M} = \text{Mn, Ni, Cu, and Co}$) Kwun Nam Hui, University of Macau. MC: Hui Pan
15:10 – 15:25	Efficiency Boost of Inverted Quantum Dot Light Emitting Diodes by Thermal Damage Suppression Using an HAT-CN Interlayer Shuangpeng Wang, University of Macau. MC: Hui Pan
15:25 – 15:40	Solution-Controlled Fabrication of Wrinkled Graphene for Chemical and Mechanical Detection Wenjun Chen, Sun Yat-sen University. MC: Hui Pan
15:40 – 15:50	Contributed presentations
	Hong Kong Housing Price Forecasting: a Gaussian Process Approach Juntao Wang, Hong Kong University of Science and Technology. MC: Hui Pan
15:50 – 16:20	Tea/coffee break, poster, discussion
16:20 – 16:45	Keynote presentation
	Metastable Nano Alloys for Hydrogen Storage Huaiyu Shao, University of Macau. MC: Yuan Cheng
16:45 – 17:45	Invited presentations
16:45 – 17:00	Design of 2D Nanostructures as Catalysts for Hydrogen Production Hui Pan, University of Macau. MC: Yuan Cheng
17:00 – 17:15	Manipulation of Micro-drops on Deformable Superhydrophobic Platform enabled via Magnetic Actuation Binpu Zhou, University of Macau. MC: Yuan Cheng

17:15 – 17:30	The relation of sorptivity and capillary coefficient for water transport in mortar Yunsheng Zhang, Southeast University. MC: Yuan Cheng
17:30 – 17:45	Current status, challenges and opportunities of teaching physics in Sino-French nuclear engineering institute Kan Lai, Sun Yat-sen University. MC: Yuan Cheng
17:45 – 17:55	Contributed presentations
	Measuring the Scale of Congestion from Basic Quantities Tat Shing Choi, Hong Kong University of Science and Technology. MC: Yuan Cheng
After 18:00	Banquet Dinner (Hotel: Galaxy Macau, Bus pick-up point & time: E4 G/F Lobby @ 18:00 pm)