



TRS Project Workshop for Energy Storage 2017

29 Sep 2017 (Friday)

Free registration. All are welcome!

**Host: Departments of Mechanical & Automation Engineering and Electronic Engineering,
The Chinese University of Hong Kong**



Supported by:



25 The Chinese University of Hong Kong
FACULTY OF ENGINEERING

Vice-Chancellor's Discretionary Fund, CUHK

Venues: Seminars: TY Wong Hall, 5/F, Ho Sin Hang Engineering Building, CUHK
Poster session: Room 603, Ho Sin Hang Engineering Building, CUHK

29 Sep 2017 (Friday)

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| 9:00 – 9:10 | Opening Remarks – Prof. CP Wong, Dean of Engineering, CUHK |
| 9:10 – 9:55 | Keynote Speech: “From Maxwell's displacement current to nanogenerator driven self-powered systems and blue energy”
Zhong Lin WANG, Georgia Institute of Technology, Atlanta, Georgia |
| 9:55 -- 10:40 | Keynote speech: “Electrical Energy Storage: Next Generation Battery Technologies”
Arumugam MANTHIRAM, The University of Texas at Austin |
| 10:40 – 11:25 | Keynote Speech: “In situ Spectroscopic Studies of Advanced Energy Storage Materials”
Bing Joe HWANG, National Taiwan University of Science and Technology |
| 11:25 – 11:55 | Invited Speech: “Li-S batteries: Challenges and Opportunities”
Guohua CHEN, The Hong Kong Polytechnic University |
| 11:55 – 12:25 | Invited Speech: “Plenty of Rooms at the Bottom: Nanoporous Materials for Energy Applications”
Kwong Yu CHAN, The University of Hong Kong |

Lunch

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| 14:00 – 14:45 | Keynote Speech: “High energy density Li batteries: from liquid to solid”
Hong LI, Institute of Physics, Chinese Academy of Sciences (CAS) |
| 14:45 - 15:30 | Keynote Speech: "Metal-organic-framework-derived functional nanomaterials for electrochemical energy storage and conversion"
David XW LOU, Nanyang Technological University |
| 15:30 – 16:00 | Invited Speech: “Reducing Effect of Anode Volume Expansion in Li-ion Battery”
Limin ZHOU, The Hong Kong Polytechnic University |
| 16:00 – 16:30 | Invited Speech: “Developing P- based anode for Na-ion batteries”
Quan LI, The Chinese University of Hong Kong |

Coffee break

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| 17:00 – 17:30 | Invited Speech: "Nanostructure Engineering for High Performance Electrodes in Batteries"
Haitao HUANG, The Hong Kong Polytechnic University |
| 17:30 – 18:00 | Invited Speech: “Spectroscopic Studies on CO ₂ Electro-reduction”
Minhua SHAO, The Hong Kong University of Science and Technology |

18:00 – 19:30

Poster session (with light refreshment)

Venue: Room 603, Ho Sin Hang Engineering Building, CUHK

Organizing Committee:

Prof. Yi-Chun Lu, Department of Mechanical & Automation Engineering, CUHK

Prof. Ni Zhao, Department of Electronic Engineering, CUHK

Miss Mandy Tse, Project Manager, Faculty of Engineering, CUHK



Enquiry and registration: Tel: 3943-8450; Email: mandytse@cuhk.edu.hk