

Workshop III : Full-Field Hard X-ray Microscopy and Its Applications

Organizer: Chun-Chieh Wang (王俊杰)

September 13 (Thursday)

Place: L100 & A300

08:30 Registration

09:00 **Workshop Opening Remarks**

Gwo-Huei Luo (羅國輝), NSRRC (國家同步輻射研究中心)

Session Chair: Chun-Chieh Wang (王俊杰)

09:10 III1 **Exploring Li Plating and Stripping Behaviors for High Energy Li Metal Battery**

Bing-Joe Hwang (黃炳照), National Taiwan Univ. of Science and Technology (國立台灣科技大學)

09:50 III2 **Nano-imaging with a Hard X-ray Nano-probe at ID16A-NI, ESRF**

Yang Yang (楊陽), European Synchrotron Radiation Facility, France

10:30 Coffee Break

Session Chair: Heng-Liang Wu (吳恆良)

10:40 III3 **Context Encoder Based Sinogram Completion Method Let the Limited Angle Cone-beam Computed Tomography Reconstruction Come True**

Jyh-Cheng Chen (陳志成), National Yang-Ming Univ. (國立陽明大學)

11:20 III4 **In Situ Evidence of Mineral Physical Protection and Carbon Stabilization Revealed by Nanoscale 3-D Tomography**

Bi-Qing Liang (梁碧清), National Cheng Kung Univ. (國立成功大學)

12:00 Lunch

Session Chair: Bi-Qing Liang (梁碧清)

13:30 III5 **The Transformation of *E. coli*, *S. aureus*, *K. pneumoniae*, and *A. niger* during the Photo-inactivation Process**

Yao-Tung Lin (林耀東), National Chung Hsing Univ. (國立中興大學)

14:10 III6 **Identification and Tracing Inner Structure Variability of Micro-Fossils: Applications on Paleoceanography Study**

Yuan-Pin Chang (張詠斌), National Sun-Yat-sen Univ. (國立中山大學)

14:50 III7 **Collagen-regulated Mineralization in Bone Remodeling of Additive Manufacturing Porous Implants**

E-Wen Huang (黃爾文), National Chiao Tung Univ. (國立交通大學)

15:30 Coffee Break

Session Chair: Chun-Chieh Wang (王俊杰)

15:50 III8 **Effect of the Solvate Electrolyte on Lithium-sulfur Battery Performance and Reaction Mechanism**

Heng-Liang Wu (吳恆良), National Taiwan Univ. (國立臺灣大學)

16:30 III9 **Projection and Transmission X-ray Microscopy Project at Taiwan Photon Source**

Gung-Chian Yin (殷廣鈺), NSRRC (國家同步輻射研究中心)

17:10 **Discussion & Workshop Closing Remarks**

Chun-Chieh Wang (王俊杰), NSRRC (國家同步輻射研究中心)

17:30