

FabSurfWar

Session during Shanghai 3m-nano conference 9th August 2017

Time	9 th August, 3.50 pm – 5.50 pm
Venue	Shanghai 3m-nano conference 9 th August 2017
Chairman	W. Pfleging (KIT) / Y. Tian (UoW)
Participants	Wilhelm Pfleging (KIT) Peter Smyrek (KIT) Jan-Hendric Rakebrandt (KIT) Yijing Zheng (KIT) Yanling Tian (UoW) Zhengxan Song (CUST) S.M. Olaizola (CEIT-IK4) Kyle Jiang (UoB) Yasuhiko Hayasihl (Okayama-Uni Japan) Mikel Gomez (CEIT-IK4) Zhu Tianjing (TJU) Liong Cunman (TJU) Xianbin He (TJU) Sai Priya Munagala (UoB) Zheng Yang (UoW) Daming Zhou (CZGZT Chong Zing) Guo Ying Gzu (SJTU) Sen Wu (TJU) Sohel Rana (SJTU) Candrababu Ryath (FTTU) A. Gatonski (RAS) Victor Kolelar (RAS)

Research progress presentations (à 15 minutes)

UoW

The investigation of equilibrium contact state of liquid droplet on ideal rough surfaces, Zhen Yang, Yanling Tian, Xianping Liu (1700851)

Measuring ultralow friction between 2D materials by atomic force microscopy, Tianbao Ma (Tsinghua University, has been approved by Xianping Liu of attending FabSurfWAR session) (1700421)

KIT

Laser micro structuring of composite $\text{Li}(\text{Ni}_{0.6}\text{Mn}_{0.2}\text{Co}_{0.2})\text{O}_2$ cathode layers for lithium-ion batteries, J.-H. Rakebrandt, P. Smyrek, Y. Zheng, H.J. Seifert, W. Pfleging (1700651)

Silicon-based 3D electrodes for high power lithium-ion battery, Y. Zheng, P. Smyrek, J.-H. Rakebrandt, Ch. Kübel, H.J. Seifert, W. Pfleging (1700781)

Laser-Induced Breakdown Spectroscopy for Studying the Electrochemical Impact of Porosity Variations in Composite Electrode Materials, P. Smyrek, Y. Zheng, J.-H. Rakebrandt, H.J. Seifert, W. Pfleging (1700711)

TJU

Lithography-induced wettability Changes of Silicon, Jiajing Zhu, Yanling Tian, Chengjuan Yang, Fujun Wang (1700021)

KEIT-IK4

Ultrafast Laser Inscription of glass volume gratings for their use in Optical Applications, M. Gomez-Aranzadi, A. Dias-Ponte, A. Rodriguez, M. Martinez-Calderon, E. Granados, S.M. Olaizola (1700321)

UoB

Surface Properties of Graphene Platelets/Nickel Composite Coatings, Meng Li, Jian Liu, Xiaoping Zhang, Sai Priya Munagala, Yaqing Tian, Jie Rena, Kyle Jiang (1701031)