Monday, June 20, 2016

**P1—Poster Presentations**

**Abst# 140**
Optimized Solid-State Reaction Process of Synthesizing Li$_4$Ti$_5$O$_{12}$ with Improved Rate Capability for Li-Ion Batteries by Jae Hyun Kim, Daegu Gyeongbuk Institute of Science and Technology; Seong-Ho Baek, Daegu Gyeongbuk Institute of Science and Technology; Jung Soo Park, DGIST

**Abst# 209**
High-Throughput Method to Study the Electrochemical Performance of Ag-Doped Olivine Based Cathode for Libs by HyunSeok Lee, Yonsei University; HyunSeok Lee, Korea Institute of Science and Technology (KIST); Haena Yim, Korea Institute of Science and Technology (KIST); Kwang-Bum Kim, Yonsei University; Ji-Won Choi, Korea Institute of Science and Technology

**Abst# 375**
Integral-Type Porous Cobalt@Cobalt Oxide Anode with Micro/Nano-Sized Pores for Lithium-Ion Battery by Hyeji Park, Kookmin University; Kyungbae Kim, Kookmin University; Hunhui Cho, Northwestern University; Jae-Hun Kim, Kookmin University; David Dunand, Northwestern University; Heeman Choe, Kookmin University

Tuesday, June 21, 2016

**Abst# 571**
High Energy Lithium Ion Batteries Based on Cobalt Rich Composite Cathode and Silicon Anode by Sujeet Kumar, Envia Systems Inc.

**Abst# 632**
Development of a Water Based Process for Stable Conversion Cathodes on the Basis of FeF$_3$ by Alexander Pohl, Karlsruhe Institute of Technology (KIT), Germany; Mohammadzam Faraz, Karlsruhe Institute of Technology (KIT), Germany; Andreas SchrÃ¶der, Karlsruhe Institute of Technology (KIT), Germany; Michael Baunach, Karlsruhe Institute of Technology (KIT), Germany; Wilhelm Schabel, Karlsruhe Institute of Technology (KIT), Germany; Al

**Abst# 640**
Battery Electrode Fabrication via Powder Based Additive Manufacturing by Yan Wang, Worcester Polytechnic Institute; Zhangfeng Zheng, Worcester Polytechnic Institute; Heng Pan, Missouri University of Science and Technology; Brandon Ludwig, Missouri University of Science and Technology

**Abst# 690**
Hybridizing Organic and Solid State Single-Ion Conductors: Thermotropic Ionic Liquid Crystals for Lithium Battery Electrolytes by Dominic Bresser, CEA-Grenoble, INAC/SPrAM, UMR 5819, France; MÃ©lody Leclere, CEA-Grenoble, LITEN/DEHT/SCGE/LGI, France; Laurent Bernard, CEA-Grenoble, INAC/SPrAM, UMR 5819, France; Patrice Rannou, CEA-Grenoble, INAC/SPrAM, UMR 5819, France;
**Thursday, June 23, 2016**

**Abst# 740**  
Synthesis of Metal Oxide Precursors for the Generation of Oxides or Similar Nanomaterials for Na-Ion Battery Cathode Production by Katharina Fromm, University of Fribourg, Switzerland; Benoît Baichette, University of Fribourg

**Abst# 826**  
Lithium Ion Cell/Batteries Electromagnetic Field Reduction in Phones for Hearing Aids Compliance by Hossein Maleki, Motorola Mobility; Jason Howard, Motorola Mobility; Jerry Hallmark, Motorola Mobility

**Abst# 869**  
Flexible High Energy Density Silicon Composite Anode for Structural Batteries by Gholam-Abbas Nazri, Frontier Applied Sciences and Technologies, LLC; Maryam Nazri, Frontier Applied Sciences and Technologies

**Abst# 933**  
Understanding the Structural Evolution of Multiple Cationic Centres during Electrochemical Cycling of Lithium Rich Layered Li$_2$Ru$_{1-x}$Fe$_x$O$_3$ by Rohit Satish, Nanyang Technological University, Singapore; Aravindan Vanchiappan, Energy Research Institute @NTU; Nicolas Bucher, Technische Universität München; MÄ¼nchen, Germany; Nicolas Bucher, TUM CREATE, Singapore.; Steffen Hartung, Technische Universität München; MÄ¼nchen, Germany.; Steffen Hartung, TUM CREATE, Singapore.; Joseph Franklin, Energy Research

**Abst# 958**  
All-Solid-State Flexible Lithium Batteries on Polyimide Substrate Using Excimer Laser Annealing by Haena Yim, Seoul National University (SNU); Haena Yim, Korea Institute of Science and Technology; Yung-Eun Sung, Seoul National University (SNU); Ji-Won Choi, Korea Institute of Science and Technology

**Abst# 1101**  
Sn/C Nano-Rattle Anode Material for High Energy Sodium Ion Batteries by Sivarajakumar Maharajan, University of Fribourg, Switzerland; Nam Hee Kwon, University of Fribourg, Switzerland; Katharina Fromm, University of Fribourg, Switzerland

**Abst# 1145**  
Bridging the Gap Between Supercapacitors and Batteries By a New Material Based on Renewable Ressources by Maximilian Fichtner, Helmholtz Institute Ulm (HIU); Ping Gao, Helmholtz Institute Ulm (HIU); Zhi Chen, Karlsruhe Institute of Technology (KIT); Zhirong Zhao-Karger, Helmholtz Institute Ulm (HIU); Zhirong Zhao-Karger, Karlsruhe Institute of Technology (KIT), Germany; Mario Ruben, Karlsruhe Institute of Technology (KIT)

**Abst# 1219**  
Structure and Properties of the Amorphous Lipon Electrolyte By First-Principles Simulations by Sabrina Sicolo, Technische Universität Darmstadt; Karsten Albe,
Abst# 1221  Lithium Ion Solvation and Diffusion in Bulk Organic Electrolytes from First Principles Molecular Dynamics by Mitchell Ong, Lawrence Livermore National Laboratory; Vincenzo Lordi, Lawrence Livermore National Laboratory; Erik Draeger, Lawrence Livermore National Laboratory; John Pask, Lawrence Livermore National Laboratory