November 21, 2016

12:00 - 13:00  Registration

13:00  Welcome and opening
Prof. Dr. Eckhard Beyer
Fraunhofer IWS Dresden, Technische Universität Dresden, Germany

**Session I Trends in Material Development**
Chair: Prof. Dr. Eckhard Beyer, Fraunhofer IWS, TU Dresden

13:15  Materials for lithium-sulfur batteries
Prof. Linda Nazar
University of Waterloo, Canada

14:00  Nanostructured Li-Metal Anode to inhibit dendrite growth in safe Lithium-Sulfur-Batteries
Prof. Dr. Qiang Zhang
Tsinghua University, Beijing (China)

14:30  New electrolyte compositions for enhanced Li-S batteries
Sören Thieme
Fraunhofer IWS Dresden, Germany

15:00  Coffee break

**Session II Materials and Mechanisms**
Chair: Dr. Holger Althues, Fraunhofer IWS

15:30  Li-S cell development at Oxis
Lisset Urrutia
Oxis Energy LTD, Abingdon, Oxfordshire, UK

16:00  Highly conductive porous VN nanoribbons/graphene composite with chemical anchoring effect for high-Energy Li-S Batteries
Dr. Zhenhua Sun
Chinese academy of science, Shenyang, China

16:30  Ultramicroporous carbon infused sulfur as cathode for sustainable Lithium-Sulfur Batteries
Dr. Anji Reddy Munnangi
Helmholtz-Institut Ulm, Germany

17:00  Investigation of the Role of Polysulfide Diffusion in Li-S Batteries Using Spatially Resolved Operando X-ray Absorption Near Edge Spectroscopy
Anne Berger
Technische Universität München, Germany

17:30  Modelling / Mechanisms of Li-S cells
Dr. Gregory Offer
Imperial College London, UK

18:00 - 22:00  Poster session and get together at Int. Congress Center Dresden
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Session III Cell design and Applications
Chair: Prof. Dr. Stefan Kaskel, Fraunhofer IWS, TU Dresden

09:00  The reversibility of solid-state Li-S cell based on a sulfide electrolyte
Dr. Yuichi Aihara
Samsung R&D Institute, Japan

09:30  Li-S cell design: Role of inactive components
Dr. Holger Althues
Fraunhofer IWS Dresden, Germany

10:00  Coffee break

10:30  Graphene derived carbons with controlled porosity for Lithium-Sulfur Battery cathodes: an electrochemical study
Dr. Alberto Varzi
Helmholtz-Institut Ulm, Germany

11:00  Projekt EuroLiS
Prof. Robert Dominko
Universität Ljubljana, National Institute of Chemistry, Slovenia

11:30  Reinforced 3-D lithium electrode for lithium-sulfur batteries. Preparation and properties
Dr. Elena Kuzmina
Ufa Institute of Chemistry of the Russian academy of sciences, Russia

12:30  Lunch break

13:30  Batteries for electric VTOL aircraft
Moritz Schuhmann
Lilium GmbH, Gilching, Germany

14:00  Li-S for automotive applications
Dr. Barbara Stiaszny
BMW Group, Munich, Germany

14:30  Concluding remarks
Prof. Dr. Stefan Kaskel
Fraunhofer IWS Dresden, Germany

15:30  Optional: Lab tour at Fraunhofer IWS
(duration ca. 1,5h, bus transfer provided)