

THURSDAY, 15 NOVEMBER 2012 - WORKSHOP „LITHIUM-SULFUR-BATTERIES“

**Fraunhofer Institute for Material and Beam Technology IWS
Winterbergstraße 28, 01277 Dresden, Germany**

08:30 Registration

Session I Materials

Chair: Eckhard Beyer, Fraunhofer IWS, TU Dresden

09:00 Welcome and opening
Eckhard Beyer
Stefan Kaskel
Fraunhofer IWS, TU Dresden

09:15 "A contribution to the progress of high energy batteries: Development of advanced lithium-sulfur batteries "
Bruno Scrosati (Università degli Studi di Roma "La Sapienza")

10:00 "Recent developments on Li-S batteries from the perspective of a chemical company"
Jan Tomforde (BASF SE)

10:30 *Coffee break*

11:00 "Li₂S/Si- cell concepts with nanostructured electrodes"
Markus Hagen (Fraunhofer ICT)

11:30 "Development, characterization and product perspective of inorganic solid ionic conductors"
Wolfgang Schmidbauer (Schott AG)

12:00 "Carbons for energy system applications"
Astrid Rota (SGL CARBON GmbH)

12:30 *Lunch break*

Session II Processing

Chair: Stefan Kaskel, Fraunhofer IWS, TU Dresden

13:20 "Dry processing of self-supporting sulfur cathodes"
Sören Thieme (Fraunhofer IWS)

13:50 "Coating technologies and coating plant concepts for the production of battery electrodes"
Andrea Glawe (KROENERT GmbH & Co KG)

14:20 "Polymer Li-S technology in rechargeable batteries of OXIS Energy "
Gleb Ivanov (OXIS Energy Ltd)

14:50 *Coffee break*

Session III Applications/Trends

Chair: Holger Althues, Fraunhofer IWS

15:20 "Post lithium-ion batteries from the perspective of an automotive supplier"
Martin Tenzer (Robert Bosch GmbH)

15:50 "Future energy storage from automotive perspective"
Jörg Huslage (VOLKSWAGEN AG)

16:20 "Energy storage 2030: A technology roadmap"
Kai-Christian Möller (Fraunhofer ICT)

16:50 Concluding remarks
Stefan Kaskel (Fraunhofer IWS)

17:00 IWS lab visit (optional 1 h)