

## **Materials Panel Abstract & Speaker Biography**

### **Fiber-Based Sulfur/Poly(acrylonitrile) Cathode Materials: Cycle-Stable High-Performance Lithium-Sulfur Batteries**

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This abstract has not yet been made public.

#### **Speaker Biography:**

Michael R. Buchmeiser received his Ph. D. in Organometallic Chemistry at the University of Innsbruck, Austria, under the supervision of Prof. H. Schottenberger working on early and late transition metal metallocenes. He was awarded an “Erwin Schrödinger Fellowship” and spent one year at the Massachusetts Institute of Technology (MIT, Cambridge, MA) within the group of Professor Richard R. Schrock (Chemistry Nobel Prize 2005) working on poly(metallocenylacetylene)s and fluorinated organomolybdenum compounds. In 1995 he accepted a position as an Assistant Professor at the University of Innsbruck where he finished his “Habilitation” in Macromolecular Chemistry in 1998. From 1998-2004, he held a Faculty Position as Associate Professor at the University of Innsbruck. From 2000-2001, he was visiting Professor at the Graz University of Technology, Austria.



From 2004-2009, he held a Faculty Position (C-4 Professorship for “Chemical Technology of Polymers”) at the University of Leipzig, Germany. In parallel, from 2005-2009, he was Vice Director and Member of Board of the Leibniz Institute of Surface Modification (IOM), Leipzig, Germany. He received offers for Full Professorships from the Universities of Halle, Germany (2004), Leoben, Austria (2005) and Dresden, Germany (2007), which he all declined. Instead, in 2009, he accepted a Full Professorship in Macromolecular Chemistry at the University of Stuttgart, Germany.

Since then, he is also the Director of the Institute of Textile Chemistry and Chemical Fibers (ITCF), Denkendorf, Germany. His research interests focus on transition-metal catalyzed polymerizations, chemical and physical surface modifications, porous polymeric supports and their applications in the areas of heterogeneous catalysis, separation and life sciences. In addition, he is also engaged into various aspects of fiber chemistry including conductive fibers as well as high-performance polymeric and inorganic fibers including carbon fibers, oxidic and non-oxidic carbon fibers, aramides and others. He is member of the International Advisory Board of Macromol. Rapid Commun., Macromol. Chem. Phys. and Macromol. Mater. Eng., has published more than 350 research papers and holds more than 30 patents.