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**E**nergy **C**hallenges & **M**echanics  
- working on small scales

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### **Speaker of Session 01**

#### **LITHIUM ION BATTERIES**



Dr. Trimboli is presently Assistant Professor in the Department of Electrical and Computer Engineering at the University of Colorado Colorado Springs (UCCS). Previously, he served as Director of the Center for Space Studies in the National Institute of Science, Space and Security Centers, also at UCCS. He earned his bachelor's in engineering science from the U.S. Air Force Academy, a master's in engineering mechanics from Columbia University, New York, and his PhD in control engineering from Oxford University.

Dr. Trimboli's primary research areas include robust multivariable control, model predictive control, system modeling and identification, and active and passive methods for vibration suppression. Since 2011, his research has focused on applications of model predictive control and electrochemical models to improve lifetime and performance of lithium-ion batteries.

