



4th International Symposium on
Energy **C**hallenges & **M**echanics
- working on small scales

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Keynote Speaker of Session 10

SUPERCAPACITORS



Clive A. Randall is a Professor of Materials Science and Engineering at The Pennsylvania State University, University Park, Pennsylvania, USA. He was Director for the Center for Dielectric Studies between 1997 and 2013, and recently formed a new Center as Co-Director, the Center for Dielectrics and Piezoelectrics. Prof. Randall received a B.Sc. with Honors in Physics in 1983 from the University of East Anglia, and a Ph.D. in Experimental Physics from the University of Essex in 1987, both in the United Kingdom. He has authored/co-authored over 330 technical papers, with over 10,000 citations and an h-factor of 53. Prof. Randall's research interests are in the area of discovery and compositional design of functional materials for electrical energy transduction and storage, defect

chemistry and crystal chemistry and their impact on phase transition behavior, electromechanical devices based upon electrostriction and piezoelectrics, supercapacitors, thermoelectrics, and microwave materials. Prof. Randall was honored with the American Ceramic Society Fulrath Award in 2002; the Wilson Research Award from the College of Earth and Mineral Sciences, Penn State University, in 2003; he spent one year (2004–2005) as a Visiting Fellow of Fitzwilliam College, University of Cambridge, U.K.; he was elected Fellow of the American Ceramic Society in 2005 and Academician of the World Academy of Ceramics in 2006; in 2007, he and his colleagues received the R&D 100 Award for their Integrated Fiber Alignment Package (IFAP); he received the Spriggs Phase Equilibria Award in 2008; in 2009, he received the University Scholar Award (Engineering) from Penn State University; he received the Japanese FMA International Award; he gave the Friedberg Lecture at the American Ceramic Society, both in 2011; in 2013, he received, along with his student, the Edward C. Henry Best Paper of the Year from the American Ceramics Society Electronics Division; and he received the IEEE UFFC-S Ferroelectrics Recognition Award (2014).

