SPECIAL LECTURE

Electrical Energy Storage: Next-generation Battery Chemistries

August 12, 2016, 3:00 pm at Raman Seminar Hall
Department of Physics, Pondicherry University

by

Prof. Arumugam Manthiram

The University of Texas at Austin

Austin, TX 78712, USA

Biography

Arumugam Manthiram is currently the Cockrell Family Regents Chair in Engineering and Director of the Texas Materials Institute and the Materials Science and Engineering Program at the University of Texas at Austin (UT-Austin). He received his Ph.D. degree in chemistry from the Indian Institute of Technology at Madras in 1981. After working as a postdoctoral researcher at the University of Oxford and at UT-Austin, he became a faculty member in the Department of Mechanical Engineering at UT-Austin in 1991.

Dr. Manthiram's research is focused on clean energy technologies: rechargeable batteries, fuel cells, supercapacitors, and solar cells. He has authored 600 journal articles with 30,000 citations and an h-index of 90. He is the Regional (USA) Editor of *Solid State Ionics*. He is a Fellow of the Materials Research Society, Electrochemical Society, American Ceramic Society, Royal Society of Chemistry, American Association for the Advancement of Science, and World Academy of Materials and Manufacturing Engineering.

He received the Outstanding Graduate Teaching Award (one university-wide award per year) in 2012, the Battery Division Research Award from the Electrochemical Society in 2014, the Distinguished Alumnus Award of the Indian Institute of Technology Madras in 2015, and the Billy and Claude R. Hocott Distinguished Centennial Engineering Research Award in 2016.

Head, Dept. of Physics, Pondicherry University