

**Topic of the Speech:**

Self-Powered Wearable and Implantable Electrical Stimulation Devices for Medical Treatments

Professor Xudong Wang

University of Wisconsin-Madison
USA



Professor Xudong Wang is the Grainger Institute for Engineering Professor in the department of Materials Science and Engineering at University of Wisconsin – Madison. He is a fellow of the American Institute for Medical and Biological Engineering. Dr. Wang received his PhD degree in Materials Science and Engineering from Georgia Tech in 2005.

His current research interests include studying the growth mechanisms of oxide nanostructures; developing advanced nanomaterials and nanodevices for mechanical energy harvesting from human activities and ambient environment; and understanding the coupling effect between piezoelectric polarization and semiconductor functionalities.

He has won number of prestigious national and international awards, including NSF CAREER Award, DARPA Young Faculty Award, Ross Coffin Purdy Award from the American Ceramic Society, and TR35 Award from MIT Technology Review. He has published more than 130 papers on peer-reviewed journals and his current h-index is 57.