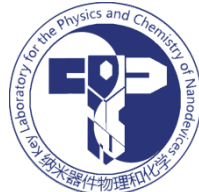




北京大学信息科学技术学院 物理电子研究所



邀请学术报告

Nanogenerators as new energy technology and piezotronics for functional systems

Prof. Zhong Lin Wang (王中林教授)

School of Materials Science and Engineering, Georgia Institute of
Technology, Atlanta USA

Beijing Institute of Nanoenergy and Nanosystems, Chinese
Academy of Sciences, Beijing, China



Dr. Zhong Lin (ZL) Wang received his PhD from Arizona State University in 1987. He now is the Hightower Chair in Materials Science and Engineering, Regents' Professor, College of Engineering Distinguished Professor and Director, Center for Nanostructure Characterization, at Georgia Tech. Dr. Wang has made original and innovative contributions to the synthesis, discovery, characterization and understanding of fundamental physical properties of oxide nanobelts and nanowires, as well as applications of nanowires in energy sciences, electronics, optoelectronics and biological science. Dr. Wang's publications have been cited for over 62,000 times. The H-index of his citations is 122. Dr. Wang was elected as a foreign member of the Chinese Academy of Sciences in 2009, member of European Academy of Sciences in 2002, fellow of American Physical Society in 2005, fellow of AAAS in 2006, fellow of Materials Research Society in 2008, fellow of Microscopy Society of America in 2010. He received 1999 Burton Medal from Microscopy Society of America, 2001 S.T. Li prize for Outstanding Contribution in Nanoscience and Nanotechnology, 2011 MRS Medal Reward, and 2012 Edward Orton Memorial Lecture Award.

This talk will focus on the fundamentals, recent progresses and novel applications of nanogenerators, which is a novel energy harvesting technology aiming at building self-sufficient power sources for micro/nano-systems. Also the fundamental science and novel applications of piezotronics in sensors, touch pad technology, functional devices and energy science will be introduced. More details can be found at <http://www.nanoscience.gatech.edu>

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