ENI AWARD 2018

Energy Frontiers

Zhong Lin Wang

Winner

Nanogenerator as Mobile Power Source for Internet of Things and for Large-Scale Blue Energy Harvesting

Biography

Dr. Zhong Lin Wang received his PhD from Arizona State University in 1987. Dr. Wang is the Hightower Chair in Materials Science and Engineering and Regents' Professor at Georgia Tech, the Founding Director and Chief Scientist at Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences, China.

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, fellow of Royal Society of Chemistry, and fellow of the World Innovation Foundation in 2002. He received 2016 Distinguished Scientist Award from (US) Southeastern Universities Research Association, 2015 Thomas Routers Citation Laureate award, 2014 World Technology Prize in Materials; 2014 the James C. McGroddy Prize for New Materials from America Physical Society, 2011 MRS Medal from the Materials Research Society, 1999 Burton Medal from Microscopy Society of America. He has authored over **1300** peer reviewed journal articles (16 in Nature and Science, 25 in Nature and Science family journals). His entire publications have been cited for over 170,000 times with an h-index of 208. Wang is ranked No. 1 in Google Scholar public profiles in Nanotechnology & Nanoscience both in total citations and h-index impacts: http://www.webometrics.info/en/node/198. Details about Wang can be found at: http://www.nanoscience.gatech.edu

His breakthrough research from the past 15 years has been featured by over 50 media worldwide including CNN, BBC, FOX News, New York Times, Washington Post, Reuters, NPR radio, Time Magazine, National Geography Magazine, Discovery Magazine, New Scientists, and Scientific America.

Recent news media reports for his work on self-charging power pack ranked as top 10 breakthroughs of 2012 by Physics World include his interview with:

CNN: http://www.cnn.com/video/#/video/tech/2012/12/29/intv-clancy-battery-breakthrough.cnn;

Reuters: http://news.yahoo.com/video/researchers-tap-power-motion-energy-013803650.html

Georgia Tech: http://www.news.gatech.edu/2013/12/07/harvesting-electricity-triboelectric-generators-capture-wasted-power