



4<sup>th</sup> International Symposium on

**E**nergy **C**hallenges & **M**echanics

- working on small scales

11-13 August 2015

Aberdeen, Scotland, UK

### Chair and Speaker of Session 18

#### MECHANICS OF NANOPOROUS MATERIALS FOR ENERGY APPLICATIONS



Dr. Huiling Duan is “Cheung Kong Scholar” Professor, and the Chairman of Department of Mechanics and Engineering Science, and Head of Solid Mechanics Division at Peking University. She received her Ph.D. degree from Peking University in 2005 and worked at Cardiff University in 2005 and 2006 as the holder of Post-doctoral Fellowship of The Royal Society, London. She was awarded the Alexander von Humboldt Research Fellowship in 2006 and worked at Institute of Nanotechnology of Forschungszentrum Karlsruhe in Germany from 2006 to 2007. Her research focuses on nanomechanics, micromechanics, and elasticity theory. She got the National Excellent PhD Thesis Award of China (2007), The Sia Nemat-Nasser Award of American Society of Mechanical

Engineering (ASME) in 2009. Mao Yisheng Outstanding Young Scholar Award of China in 2010, Outstanding Young Scholar Award of The Chinese Society of Theoretical and Applied Mechanics in 2011, National Outstanding Young Researcher Award of National Natural Science Foundation of China in 2012, National Outstanding Young Female Scientist in 2014. Huiling Duan has more than 90 publications in peer-reviewed journals including Nature Communications, Proc. Nat. Acad. Sci., Phys. Rev. Lett., Advanced Materials, Nano Letters, Adv. Appl. Mech., J. Mech. Phys. Solids, Phys. Rev. B, Acta Mater., Proc. Roy. Soc. A., etc. Two papers are the highly cited paper of JMPS and PRB for last 10 years, respectively. She has been invited to give more than 40 talks in IUTAM Symposia, Universities and Research Institutes.

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