



4th International Symposium on

Energy **C**hallenges & **M**echanics

- working on small scales

11-13 August 2015

Aberdeen, Scotland, UK

Speaker of Session 27

NANO/MICRO FLUIDICS FOR ENERGY APPLICATIONS



Mr. Xianhua Tan is currently a PhD student in State Key Laboratory of Digital Manufacturing Equipment and Technology, Huazhong University of Science and Technology, China. He majors in bio-inspired micro/nano fabrication since 2011 and took part in the research of hierarchical structures inspired by *Morpho* butterfly wing scales, which exhibited excellent optical properties. Now he focuses on cactus-inspired fog collecting structures and droplet directional motion through micro/nano fabrication and theoretical analysis.

He has published articles on fabrication of micro/nano structures for super-hydrophobic surfaces through mask-based lithography.

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