



4th International Symposium on
Energy **C**hallenges & **M**echanics
- working on small scales

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Speaker of Session 16

HETEROGENEOUS NANO-MATERIAL DESIGN FOR ENERGY CONVERSION AND STORAGE



Jaroslav Filip received his MSc degree in environmental engineering at Tomas Bata University (Zlín, Czech Republic) in 2009 with diploma thesis aimed to a biodegradation of biopolymer blends. In 2013, he completed his PhD study in biotechnology with focus on the application of nanomaterials in biofuel cells construction. He received the PhD degree from Slovak Academy of Sciences, Institute of Chemistry (Bratislava, Slovakia) where he currently participates in the following research in the field of bioelectrochemistry. He authored 15 CC publications and 14 conference contributions with more than 25 citations so far. His current research field covers

effective integration of different nanomaterials with biocatalysts – both enzymes and microbial cells – converting efficiently chemical energy of substrates into electricity and their employment in biosensors and biofuel cells.

