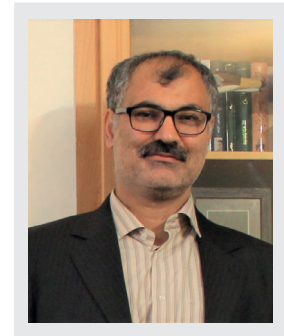


Foreword about Amin Behzadmehr, Full Professor and director of Nanotechnology research center at the University of Sistan and Baluchestan, I.R.Iran:

Amin Behzadmehr was born in 1967 in I.R.Iran. He received the B.Sc. degree in Mechanical Engineering (thermo-fluid) from University of Sistan Baluchestan, I.R.Iran in 1989 and MSc. Degree in Mechanical Engineering (energy conversion) from Tabriz University, I.R.Iran in 1995. He received the Ph.D. degree in Mechanical Engineering (thermo-fluid) from Sherbrooke University, Canada in 2003. He is a Full Professor and director of Nanotechnology research center at the University of Sistan and Baluchestan, I.R.Iran. He is Director-in-Charge of journal of Challenges in Nano and Micro Scale Science and Technology.

His research interests include Nanotechnology, Heat transfer enhancement, Renewable energy and Desalination processes.



Amin Behzadmehr

Dear Readers

Currently I am focusing on clean energy conversion, solar energy, wind energy, ocean wave energy, and energy harvesting in small scale. Growing demand of energy from one side and environmental issues from the other side has been my motivation to focus on renewable energy. Clean and fresh water is another concern for global sustainable development. I am also working on different small-scale desalination technology considering renewable and clean energies. Nanotechnology help me to find a way for improving the performance of these systems. In the MEMS and NEMS research laboratory of University of Sistan and Baluchestan, I am working with my colleague Dr. T. Fanaei (MEMS and NEMS specialist) on different small-scale energy harvesting systems; among them is Triboelectric nanogenerators.

The new technological era strongly relies on the quality and availability of an electrical energy generation system integrated into different small-scale devices to generate remotely the necessary power for functioning devices at different operational situations, climate conditions, and positions. Triboelectric nanogenerators are among the promising candidate for such a task as they can well operator at different conditions even on the flexible materials. In addition the possibility of generating the electrical energy, the triboelectric nanogenerators can be used as a sensor for detecting different mechanical motions at different scales.

Before I conclude, I would like to take this opportunity to thank the AEEE team for the work they do and to wish them my best.