

Special Issue Devoted to Selected Papers from the Fifth GCREEDER Conference on “Renewable and Energy Efficiency for Desert Regions”

Isam Janajreh

Masdar Institute of Science and Technology, Abu Dhabi, UAE

Editorial:

The 5th GCREEDER conference has attracted professionals from the industry and academia following a series of four successful conferences in 2006, 2009, 2011 and 2013. This 5th international conference was organized by the University of Jordan and the Scientific Research Fund at the Ministry of Higher Education and was held in Amman, Jordan, April 4-6, 2016. A total of 110 papers were presented during this stimulating event of twenty five participating nationalities and covering large spectrum of topics on the deployment of renewable energy and energy efficiency with focus on the Arid and Desert climate. The conference summoned multitude of experts and scientists who possess a proven track records in addition to junior researchers who showed a large appetite and demonstrated research in the renewable energy field. The conference provided a platform to present detailed case studies, summarizing research findings and also invoked future collaboration and networking during the three-day event. In this special issue of *Int. J. of Thermal & Environmental Engineering*, twenty two papers are selected, extending beyond the versions presented at the conference, peer reviewed and published. In these papers, a great variety of experimental case studies, demonstrative and applied research theory and simulation in numerous areas of building cooling and their design, deployment of renewable energy, desalination, new electric grid integration, energy and policy, wind energy and hybrid vehicle assessment etc... are presented and discussed. The editor of this special issue would like to thank the authors for their effort in providing an extended version of their papers and responding and addressing the reviewers comments. Also, he would like to express his deep appreciation for the hard work and diligence of the other reviewers that helped in the reviews for *Int. J. of Thermal & Environmental Engineering*. The published papers, the established networking, and collaborative work are amongst the fruitful goals of this conference that will continue to ripple. I would like to personally thank the Coordinating Editor and Editor-in Chief of the journal, Dr. Bilal Akash, for his willingness in granting the opportunity to edit this special issue and for his continuous support during the submission process.