

## Editorial

### “Refreshing Turkish Journal of Electromechanics & Energy in its Fourth Year”

We are delighted to present fourth volume of Turkish Journal of Electromechanics & Energy (TJEE). Each volume and issue bring new joy and excitement to us as the journal is in its crawling stage. We appreciate our authors, reviewers and editorial board members for their contribution in bringing this issue to you.

The current issue of the TJEE (Vol 4. No:1 January-June 2019) consists of two articles. The first study by Hassan Ali et al. addresses a methodology to evaluate the lifetime of photovoltaic generators by extracting parameters from a Weibull distribution and using the Akaike criterion test. The second study by Rekioua et al. presents a modeling and fuzzy logic control of a stand-alone photovoltaic system with battery storage.

As we go through our fourth year, we aim TJEE to be indexed in respected databases. A good news which encourages us is that the journal has been included in SOBIAD and PUBLONS databases. As the TJEE aims to provide a common platform for interdisciplinary studies and researchers, our editorial board has been expanded with 4 new members. The following is their brief biographies.



**Dr. Dina Šimunić** was born in Zagreb in 1963. She received B.Sc. and M.Sc. degrees in electrical engineering from the University of Zagreb, Faculty of Electrical Engineering and Computing (FER), Zagreb, Croatia, in 1985, and 1992, respectively. She was awarded with Dr.Sc. degree from Graz University of Technology, Austria, in 1995. Since 1991, she is with the Department for Wireless Communications at University of Zagreb, Faculty of Electrical Engineering. She was a guest professor in research laboratories “Wandel & Goltermann“ in Germany and “Motorola Inc.“, USA during 1996. Professor Šimunić served as editor-in-chief of the Journal of Green Engineering and currently editorial board member of international scientific journal JOSE and a reviewer for various international scientific journals.



**Dr. Francesco Iannuzzo** (M’04-SM’12) received the M.Sc. degree in Electronic Engineering and the Ph.D. degree in Electronic and Information Engineering from the University of Naples, Italy, in 1997 and 2002, respectively. He is currently a professor in reliable power electronics at the Aalborg University, Denmark, where he is also part of CORPE, the Center of Reliable Power Electronics. His research interests are in the field of reliability of power devices, including mission-profile based life estimation, condition monitoring, failure

modelling and testing up to MW-scale modules under extreme conditions. He is author or co-author of more than 210 publications on journals and international conferences, three book chapters and four patents. Besides publication activity, over the past years he has been contributing 17 technical seminars about reliability at first conferences as ISPSD, EPE, ECCE, PCIM and APEC. Prof. Iannuzzo is a senior member of the IEEE (Industry Application Society, Reliability Society, Power Electronic Society, and Industrial Electronic Society). He currently serves as Associate Editor for Transactions on Industry Applications, and is secretary elect of IAS Power Electronic Devices and Components Committee. In 2018 he was the general chair of the 29<sup>th</sup> ESREF, the first European conference on reliability of electronics.



**Dr. Zhe Zhang** received the B.Sc. and M.Sc. degrees in power electronics from Yanshan University, Qinhuangdao, China, in 2002 and 2005, respectively, and the Ph.D. degree from the Technical University of Denmark (DTU), Kgs. Lyngby, Denmark, in 2010. He is currently an Associate Professor in the Department of Electrical Engineering, and Head of Studies in charge of Electrical Engineering M.Sc. Programme at DTU. From 2005 to 2007, he was an Assistant Professor at Yanshan University. He was an Assistant Professor at the Technical University of Denmark during 2011 and 2014. In 2010, he was with the University of California, Irvine, CA, USA, as a visiting scholar. Dr. Zhang's current research interests include applications of wide bandgap devices, high frequency dc-dc converters, multiple-input dc-dc converters, soft-switching power converters and multi-level dc-ac inverters for renewable energy systems (RES), hybrid electric vehicles (HEV) and uninterruptable power supplies (UPS); piezoelectric-actuator and piezoelectric-transformer based power conversion systems. He is also a guest associate editor in IEEE Transactions on Industrial Electronics and guest editor in IEEE Journal of Emerging and Selected Topics in Power Electronics.



**Dr. Younes Noorollahi** received his Ph.D. from Kyushu University-Japan in 2008, and carried out postdoctoral studies in Kyushu University School of Earth Resources Engineering. Presently, he is head of Renewable Energies and Environmental Engineering Department at University of Tehran, Iran. His expertise includes energy resources assessment and evaluation, geothermal energy exploration and resource assessment and its application in different industrial fields. He has published more than 25 papers in reputed international journals and more than 100 papers in national and international conferences and has been serving as an editorial board member of more than 10 international journals.

Hope to see you in next issue in December 2019.

Editors-in-Chief

Mustafa Ergin ŞAHİN, Ph.D. & Ömer Necati CORA, Ph.D.