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Education

PhD, Hungarian Academy of Science, Hungary, 1997

Academic Experience

Chair Prof KSA, KAU
FY2017 JSPS fellowship –Japan
Marie Sklodowska-Curie individual Fellowships European
Senior visiting Prof. at University of Tennessee - USA

Non-Academic Experience

Consultation and training

Current Membership in Professional Organizations

IEEE Vice Chair - Section Activities
Senior Member of IEEE
Member of the ATP/EMTP European Group
Member of the IEC-"SG3":strategic group on smart grid

Honors and Awards

8 awards local and internationally

Service Activities

N/A

Selected Publications

"Accurate Fault Analysis and Proposed Protection Scheme for Battery Energy Storage System Integrated with DC Microgrids", *2018 Twentieth International Middle East Power Systems Conference (MEPCON), Cairo University, Cairo, Egypt, December 18-20, 2018.*

"Real Time Egyptian Wide Area Monitoring System (E-WAMS) for Novel Applications in Smart Grid" *GCC POWER 2019 GCC Cigre's Leading Electric Power Conference & Exhibition in the Gulf Region, Sultanate of Oman, 27 - 29 October 2019.*

"New Developed Superconducting Fault Current Limiters for Solving High Fault Levels Problem in Omani Electricity Transmission Grid, *GCC POWER 2019 GCC Cigre's Leading Electric Power Conference & Exhibition in the Gulf Region, Sultanate of Oman, 27 - 29 October 2019.*

"Resilient Wide Area Monitoring and Protection Scheme with IEEE Std C37.118.1-2011- Criteria for Complex Smart Grid System Using Phase Diagram," *IET Transaction on Smart Grid, July 2019, vol 2, no 2, pp. 309 - 317*

"Developing three-dimensional-phase surface based wide area protection centre in a smart grid with renewable resources," *IET Energy Systems Integration, July 2019, vol. 1, no. 2, 6, 2019, pp. 65 – 73.*



"Centralized Protection Scheme for Smart Grid Integrated with Multiple Renewable Resources using Internet of Energy", *Global Transitions 1 (2019) 50-60.*

"Emergency frequency control by using heavy thermal conditioning loads in commercial buildings at smart grids," *Electric Power Systems Research, vol 173, August 2019, pp. 202-213.*

"A new developed smart grid protection technique with wind farms based on positive sequence impedances and current angles", *Electric Power Systems Research vol. 178, January 2020, 106020*

"Genetic Algorithm Optimization Model for Determining the Probability of Failure on Demand of the Safety Instrumented System" *Electrical Science & Engineering, volume 01, Issue 02, October 2019,*

Professional Development Activities

N/A