

Reviewed Journal Publication.

1. Mohamad El Hariri, Samy Faddel, and Osama Mohammed, "Physical-Model-Checking to Detect Switching-Related Attacks in Power Systems." *Sensors Special Issue: Smart Grid Networks and Energy Cyber Physical Systems* 2018, 18, 2478.
2. Habib, M. E. Hariri, A. Elsayed and O. A. Mohammed, "Utilization of Supercapacitors in Protection Schemes for Resiliency against Communication Outages: A Case Study on Size and Cost Optimization" in *IEEE Transactions on Industry Applications*, vol. PP, no. 99, pp. 1-1. 2018.
3. Harmon, U. Ozgur, M. H. Cintuglu, R. de Azevedo, K. Akkaya and O. A. Mohammed "The Internet of Microgrids: A Cloud-Based Framework for Wide Area Networked Microgrids," in *IEEE Transactions on Industrial Informatics*, vol. 14, no. 3, pp. 1262-1274, March 2018.
4. Mahmoudian Esfahani, Abla O. Hariri and Osama Mohammed, "A Multiagent-based Game- Theoretic and Optimization Approach for Market Operation of Multi-Microgrid Systems" *IEEE Transaction on Industrial Informatics*, *IEEE Transactions on Industrial Informatics*, PP (99):1-1, February 2018, DOI:10.1109/TII.2018.280818.
5. Samy Faddel and O. Mohammed, "Automated distributed electric vehicle controller for residential demand side management" *IEEE Industry Applications Magazine*, Accepted for publication in the *Industry Applications Society Magazine*, February, 2018.
6. S. Mohamed, A. Berzoy, and O. Mohammed, "Design and Hardware Implementation of FL MPPT Control for PV Systems Based on GA and Small-Signal Analysis," *IEEE Transactions on Sustainable Energy*, vol. 8, no. 1, pp. 279-290, Jan. 2017.
7. F. Habib, C. R. Lashway and O. A. Mohammed, "A Review of Communication Failure Impacts on Adaptive Microgrid Protection Schemes and the Use of Energy Storage as a Contingency," in *IEEE Transactions on Industry Applications*, vol. 54, no. 2, pp. 1194-1207, March-April 2018
8. Faddel, A. A. S. Mohamed, and O. A. Mohammed, "Fuzzy logic-based autonomous controller for electric vehicles charging under different conditions in residential distribution systems," *Electric Power System Research*, vol. 148, pp. 48–58, Jul. 2017.
9. H. Cintuglu and O. A. Mohammed, "Behavior Modeling and Auction Architecture of Networked Microgrids for Frequency Support," in *IEEE Transactions on Industrial Informatics*, vol. 13, no. 4, pp. 1772-1782, Aug. 2017. doi: 10.1109/TII.2016.2612648
10. Ricardo de Azevedo, Mehmet H. Cintuglu, Tan Ma, Osama A. Mohammed "Multi-Agent Based Optimal Microgrid Control Using Fully Distributed Diffusion Strategy " *IEEE Transactions on Smart Grid*, pp. 1-12, May, 2017.
11. Ahmed Abdulaal, Mehmet H. Cintuglu, Shihab S. Asfour and O. A. Mohammed "Solving the Multi-Variant EV Routing Problem Incorporating V2G and G2V Options" *IEEE Transactions on Transportation Electrification*, Volume: 3, Issue: 1, PP 238 - 248, March 2017.
12. Mehmet H. Cintuglu and Osama Mohammed, "Protection of Autonomous Microgrids using Agent-Based Distributed Communication," *IEEE Transactions on Power Delivery*, pp 351 – 360, Volume: 32, Issue: 1, Feb. 2017.
13. F. Habib, T. Youssef, M. H. Cintuglu and O. A. Mohammed, "Multi-Agent-Based Technique for Fault Location, Isolation, and Service Restoration," in *IEEE Transactions on Industry Applications*, vol. 53, no. 3, pp. 1841-1851, May-June 2017.

14. Mohamad El Hariri, Youssef, Tarek A. and Osama A. Mohammed "On the Implementation of the IEC 61850 Standard: Will Different Manufacturer Devices Behave Similarly Under Identical Conditions?" MDPI Electronics, Electronics, 5(4), 85; doi: 10.3390/electronics5040085 - 5 December 2016.
15. Mehmet H. Cintuglu, Osama A. Mohammed, Kemal Akkaya, Selcuk Uluagac "A Survey on Smart Grid Cyber-Physical System Testbeds" IEEE Communications Survey and Tutorials, DOI: 10.1109/COMST.2016.2627399, November 2016.
16. Ahmed A. S. Mohamed; A. Berzoy; O. Mohammed, "Design and Hardware Implementation of FL MPPT Control for PV Systems Based on GA and Small-Signal Analysis," in IEEE Transactions on Sustainable Energy, Vol. PP, no.99, pp.1-1, DOI: 10.1109/TSTE.2016.2598240, August 4, 2016
17. H. Cintuglu; T. Youssef; O. A. Mohammed, "Development and Application of a Real-Time Testbed for Multiagent System Interoperability: A Case Study on Hierarchical Microgrid Control," in IEEE Transactions on Smart Grid , Vol. PP, no.99, pp.1-1, August 2016.
18. Mohamad El Hariri, Tarek A. Youssef, Abla Hariri and Osama. A. Mohammed, "Microgrids on Wheels: Not to Leave Security Behind," in IEEE Electrification e-Newsletter, <http://tec.ieee.org/newsletter/june-2016/microgrids-on-wheels-not-to-leave-security-behind>, June 2016.
19. R. Lashway, A.T. Elsayed and O. A. Mohammed "Hybrid Energy Storage Management for Ship Power Systems with Multiple Pulsed Loads," Electric Power Systems Research Journal, ELSEVIER, 141 (2016) 50–62, June 2016.
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37. Mohammed, O.; Park, D.; Merchant, R.; Dinh, T.; Tong, C.; Azeem, A.; Farah, J.; Drake, C., "Practical experiences with an adaptive neural network short-term load forecasting system", *Power Systems, IEEE Transactions on*, Feb-95, vol. 10, no.1, pp 254-265