Mohammed Alruwaili

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| **Education** |
| Doctor of Philosophy in Electrical EngineeringCardiff University | 2018-2023 |
| Master of Science in Electrical EngineeringUniversity of Denver | 2016-2017 |
| Bachelor of Science in Electrical EngineeringNorthern Border University  | 2008-2013 |
| **Work Experience** |  |
| Northern Border UniversityTeaching Assistant | 2014-2021 |
| Cardiff UniversityResearch Assistant | 2018-2022 |
| Northern Border UniversityLecturer | 2021-Present |
| Electrical EngineerSaudi Electricity Company (*Arar generation station*) | 2014-2014 |
| AramcoCooperative Training  | 2012-2012 |
| **Software Skills** |
| **Electrical Engineering Tools:** MATLAB/Simulink, NEPLAN, HOMER Pro, HOMER Grid, XENDEE, OpenSolver |
| **Programming**:MATLAB, GAMS, Python |  |
| **General:**Microsoft Office, LaTeX |  |
| **Research Interests** |
| Airports Sustainability, Renewable Energy, Electricity Markets, Electric Vehicles, Smart Grids, Power Systems  |  |
| **Publications** |
| **M. Alruwaili** and L. Cipcigan, “Airport electrified ground support equipment for providing ancillary services to the grid,” Electr. Power Syst. Res., vol. 211, p. 108242, Oct. 2022, doi: 10.1016/j.epsr.2022.108242.  |
| **M. Alruwaili** and L. Cipcigan, “Optimal Annual Operational Cost of a Hybrid Renewable-Based Microgrid to Increase the Power Resilience of a Critical Facility,” Energies, vol. 15, no. 21, p. 8040, Oct. 2022, doi: 10.3390/en15218040.  |
| **M. Alruwaili** and L. Cipcigan, “Optimal Grid-Connected Hybrid Renewable Energy System for a Civilian Airport,” in 2022 IEEE International Conference on Environment and Electrical Engineering and 2022 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Jun. 2022, pp. 1–6. doi: 10.1109/EEEIC/ICPSEurope54979.2022.9854755.  |
| **M. Alruwaili** and L. Cipcigan, “Optimal Size of PV Grid Connected to Low-Voltage Network in Saudi Arabia,” in 2019 54th International Universities Power Engineering Conference (UPEC), Sep. 2019, pp. 1–5. doi: 10.1109/UPEC.2019.8893552.  |