Dr. Mohammed F. Alsayed

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CURRENT POSITION

Assistant Professor of Energy Engineering and Environment, An- Najah National University (NNU)

EDUCATION

* Ph.D. Energetics, 2013; Scuola Superiore di Catania – University of Catania – Catania Italy.
* MSc Clean Energy and Energy Conservation Engineering, 2008; - An-Najah National University – Palestine.
* BSc. Industrial Engineering, 2005 - An-Najah National University – Palestine.

WORK EXPERIENCE

* 2013 – Present Assistant Professor of Energy Engineering and Environment at NNU, Palestine.
* 2006 – 2010 Technical Manager - House of Palestinian Expertise for Consultancies and Studies ‘HOPE’, Nablus, Palestine.

Certifications or professional registrations

* Member, Engineers Association: Jerusalem Center, Palestine
* Member, IEEE organization.

ADDITIONAL CAREER EXPERIENCE - PART TIME

* Part time instructor–An-Najah National University – Industrial Engineering Program(2009 – 2010).
* Part time instructor– Al-Quds Open University – (2009 – 2010).

TRAINING

* (November, 2006): Rural Electrification with Solar Hybrid Micro Grids for Electricity Generation in Palestinian Territories, at An-Najah National University – Palestine.
* (November, 2008): Assets Registration and Valuation, held in corporation between the Engineers Association / Jerusalem Center, Municipal Development and Lending Fund MDLF, and the German Technical Corporation GTZ.
* (August, 2007): Hazards Analysis Critical Control Points (HACCP) in practice.

COURSES TAUGHT:

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| --- | --- |
| Operations ResearchQuantitative Methods I & IIReliability and Maintenance EngineeringNumerical Methods for EngineersThermal FluidsEngineering EconomyPlant Design and Operations ManagementThermodynamics I and II | Heating, Ventilation, and Air Conditioning - HVACComputer Applications for Chemical EngineersDesign of Experiments - DOEGraduation Projects I & IIFacility Planning and Layout |

PUBLICATIONS

* M. alsayed. A Sustainable Energy Development Models Based on Decision Support System 'DSS' for Optimizing Energy Management and Planning Systems. Proceeding of the 2nd Emuni research ReSouk: Living together in the Multi-Cultural Society. 2010. Pages: 839-847.
* A. M   Yasin,  M. AlSayed,  B. Yasin and  H. Arafat, Evaluation of Energy and CO2 Savings of An Institutional Collective Solar Water Heating System in Palestine, Proceedings of the 3rd Emuni ReSouk  Multi Conference- Innovation and Employability. 2011, Pages: 48-61.
* Alsayed, M.; Cacciato, M.; Scelba, G.; Consoli, A. [Optimal sizing of hybrid power generation systems based on multi criteria decision analysis](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6264598&contentType=Conference+Publications&queryText%3DM+alsayed+MCDa). Proceeding of International Symposium of [Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM). Italy. 2012. Pages: 1442-1447.](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=6253398)
* M. Alsayed, M. Cacciato, G. Scarcella, G. Scelba. MCDA for Optimal Sizing of Photovoltaic-Wind Turbine grid connected Systems. IEEE Transactions on energy Conversion. 2013. Vol 28, issue 2, pp: 370-379.
* M. Alsayed, G. Scelba, M. Cacciato, G. Scarcella. Design of Hybrid Power Generation Systems based on Multi Criteria Decision Analysis. Solar Energy journal – Elsevier. 2014. Vol.: 105, pp.: 548-560.
* M. Alsayed, A. Abusafa, H. Odeh. Oxygen Enriched Combustion of Biodiesel/Petro-diesel Blends in Internal Combustion Engines. 5th International Energy Conference – Al Bireh, Palestine – 27-28 / January 2015.