

## **Dr. Mohammed Alsayed**

Energy and Environment Engineering Department, An-Najah National University, Nablus,  
Palestine

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### **CURRENT POSITION**

**Assistant Professor at Energy and Environment Engineering Department, An- Najah National University, January 2013 – Present**

### **EDUCATION**

• **PhD. Energy , Catania University, Italy , November 2009 – February 2013**

Research Subject: Optimal Sizing of Power Generation Systems Based on Multi Criteria Decision Making (MCDM)

• **MSc. Clean Energy and Energy conservation Engineering, An Najah National University, Palestine, 2005 –2008.**

Research Subject: Oxygen Enriched Combustion of High Emissions Fuels.

• **BSc. Industrial Engineering, An Najah National University, Palestine, 1999 – 2005**

### **WORK EXPERIENCE**

**Assistant Professor, Energy and Environment Engineering Department, An-Najah National University, Nablus, West Bank, Palestine. September 2012- Present.**

**Researcher (PhD Candidate), Center for promotion and transferring of innovation technology CePTIT, Italy. Feb 2010 – November 2012.**

**Part time Instructor, Industrial Engineering Department. An-Najah National University, Nablus, West Bank, Palestine. January 2009 - January 2010.**

**Part time Instructor, Industrial Engineering Department. Al-Quds Open University, Nablus, West Bank, Palestine. February – July 2009.**

**Technical Manager - House of Palestinian Expertise for Consultancies and Studies 'HOPE'. Nablus, West Bank, Palestine. May. 2006 – Feb. 2010.**

## **COMPUTER SKILLS**

- MatLab, Simulink and SimPowerSys.
  - C programming language.
  - Arena simulation software.
  - Load Flow programs and AutoCAD.
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## **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.

## **AWARDS**

- **Full doctoral scholarship** Catania University, Italy, PhD 2008-2011.
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## **COURSES TAUGHT:**

### **BACHELOR COURSES:**

- Numerical Analysis for engineers.
- Reliability and Maintenance Engineering.
- Quantitative Methods for Engineering.
- Operations Research.
- Plant Economy and Operations Management.
- Thermal systems Engineering.

## **PUBLICATIONS**

### **REFEREED JOURNALS:**

- M. Alsayed, M. Cacciato, G. Scarcella, G. Scelba. MCDA for Optimal Sizing of Photovoltaic-Wind Turbine grid connected Systems. Submitted to IEEE Transactions on energy Conversion Journal (Accepted - 14/01/2013).
- M. Alsayed, G. Scelba, M. Cacciato, G. Scarcella. Design of Hybrid Power Generation Systems based on Multi Criteria Decision Analysis. Submitted to IEEE Transactions on energy Conversion Journal (Pending).

## **REFEREED CONFERENCES:**

- 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. Al Sayed, 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. Proceeding of International Symposium of Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM). Italy. 2012. Pages: 1442-1447.
  - M. Alsayed, A. Abusafa, H. Odeh. Oxygen Enriched Combustion of biodiesel/petrodiesel blends in Internal Combustion Engines. Submitted to the International Conference on Energy & Environmental Protection in Sustainable Development ICEEP III, 9-10/October, 2013, PPU- Palestine. (abstract accepted).
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## **REFERENCES**

Available upon request

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