

Dr. Imad Ibrik

Electrical Engineering Department, An-Najah National University, Nablus, Palestine
Tel: 970 9 2345113 ext 3010. E-mail: iibr@najah.edu

CURRENT POSITION

Director of Energy Research-Centre, Associate professor at An- Najah National University, September 1998 – Present

University Education

- Ph.D. in Power System Analysis, Vinnitsa State Technical University, Ukraine May 1996 (Honors degree).
- M.Sc. in Electrical Power Engineering specialized in power supply of cities and industrial sector, Vinnitsa State Technical University – Ukraine Sept. 1992 (Honors degree).

Scholarship

Spain – Public University of Navarra, Pamplona City, advanced seminar on Renewable Energy from 17 – 22 May 2004.

Spain – Public University of Navarra, Pamplona City, Training courses on Solar and Wind Energy form 10 May – 25 June 2005.

Sweden – Royal Institute of Technology, Stockholm City, Training on Energy Technology Laboratories, from 30 Oct. – 5 November 2004 and from 8 – 15 January 2005.

Areas of Specific Interest Include

Power system Analysis, Power Generation, Transmission and Distribution of Electrical Networks, Electrical Installation, Energy conservation, Renewable Energy applications mainly Solar and Wind Energy, Economical and Environmental Impacts of Energy Systems

Experience

- Director of Energy Research Centre, at An-Najah National University since October 2000.
- Coordinator of the master program “Clean Energy and Energy Conservation” , An- Najah University since, Sept. 2004.
- Associate professor in electrical engineering at electrical engineering department of An-Najah National University since October 2004.
- Assistant professor in electrical engineering at electrical engineering department of An-Najah National University , Sept. 1998 – Sept. 2004.
- Assistant professor in electrical engineering at electrical engineering department of Berziet University – Ramallah Sept. 1997 – Sept.1998.
- Member of the Scientific committee of engineering faculty since 1999.
- Visiting Research Follow, Renewable Energy Department, Public University of Navarra, Spain 2005.
- Establishment of the master program in “Clean Energy and Energy Conservation” at Najah National University including the study plans, regulations and implementation.
- Technical consultant for the electrical sector in Nablus Municipality , Oct. 1996 – December 2000 (part time).

- Member of strategic planning team for Nablus district and Jenin district.
- Member of Energy Strategic and Planning committee in Palestinian Energy Authority 2010.

Projects

- Establishment of Meteorological Stations - Three computerized meteorological data stations were established in the West Bank in different locations, the data base is used for research purposes and project planning and is made available for concerned parties in the Palestinian Authority. The project has been financed through the Spain Government, 2010.
- Providing consultancy services for the project: “Energy Efficiency Improvement and Green House Gas Reduction” which is implemented by the Palestinian Energy Authority and Energy Research Centre – An-Najah National University with support of GEF and UNDP.
- Providing consultancy services for the project “Efficiency Improvement of the electric power network of city Jenin” Financed by Jenin Municipality.
- Coordinator of the project “clean Energy and conservation strategy MSc program” the project is carried out within the Tempus Joint European Project in a close – cooperation with the Royal Institute of Technology – Sweden and Berlin Technical University – Germany.
- Coordinator of the project “Analysis of wind Potential for Power Generation in Palestine”, Pilot project funded by ministry of Higher Education in Palestine.
- Coordinator of the project “Boosting University industry cooperation” the project is carried out within the Tempus program in a close cooperation with the Alicante University – Spain and Saarland University – Germany.
- Local coordinator of the project “Rural Electrification with micro grids with Solar Hybrid Generation in the community of Atouf ”, and community of Emnazeil in West Bank – Palestine, the project was granted from Spanish Agency for International cooperation,.
- Providing consultancy services in electrical projects for municipalities and villages in Palestine, 2000 - 2007.
- Providing Energy Audits for industrial and commercial sectors in West Bank Palestine, 2001-2007.

Computer Experience

Have extensive experience in computer application and power system modelling.

- ♦ Power system Engineering Software:
- ♦ Power world simulator (load flow, optimization) software.
- ♦ PV SYST 3.4 – Photovoltaic system study software.
- ♦ 3 E plus. Industrial Energy Management. Energy Audit Software.
- ♦ WASP, the wind atlas analysis software.
- ♦ ENSI – Energy saving international software.
- ♦ Homer software – the optimization model for distributed power.

Selected Publications

Imad H. Ibrik , Marwan Mahmoud – Techno-economic feasibility of energy supply of remote villages in Palestine by PV – systems, Diesel generators and electric grid, Renewable and Sustainable Energy Reviews 10 (2006) 128-138.

Imad Ibrik, Marwan Mahmoud – Energy Efficiency Improvement Procedures and Audit Results of Electrical, Thermal and Solar Applications in Palestine, Elsevier – Energy Policy 33 (2005) 651- 658 .

Ibrik Imad – Modeling the Optimum Distribution of Active Power Between Plants by using “Thermal Function” , Elsevier – Electric Power System Research Journal , Volume 65 Issue (1) P. 47 – 53 .

Ibrik Imad – Influence of Transition Cost on Optimal Operation of Power Generation Systems Respecting Unit Commitment Procedures – Engineering Journal University of Qatar , Volume 17 2004.

Marwan Mahmoud, Imad Ibrik – Field Experience on Solar Electric Power Systems and their potential in Palestine – Elsevier –Renewable and sustainable Energy Reviews 7 (2003) P. 531– 543

Imad Ibrik, Marwan Mahmoud – Energy Efficiency Improvement and its Techno – Economical Impacts by Raising of Power Factor at Industrial Sector in Palestine – Pakistan Journal of Applied sciences, volume 2 , N 9 2002 , P. 907 – 911.

Ibrik Imad – Optimum Load Shedding in Power Systems using “Thermal Function” – Palestinian Engineering Conference 2001 , 20 – 21 August 2001 , P. 101-111.

Ibrik Imad – Energy Efficiency Improvement and Audit Results in Industrial Sector in Palestine – the 8th Arab International Solar Energy Conference and the Regional World Renewable Energy Congress Organized by the University of Bahrain from 8th to 10th March 2004 in the kingdom of Bahrain .

Invited Presentation and Seminars

NATO Advanced Research Workshop “Enhancing security in the Middle East through Regional cooperation on Renewable Energy”. 16 – 18 January 2008, The London school of Economics and Political science (LSE), London, UK.

“Energy Efficiency Improvement and Audit Result in Industrial sector in Palestine”, presented paper at the 8th Arab International Solar Energy conference and the Regional World Renewable Energy congress organized by the university of Bahrain from 8th to 10th March 2004 in the kingdom of Bahrain:

Leadership for Renewable Energy in the middle East and North Africa “Advancing Renewable Energy for Desalination”, Amman, Jordan 24-26 July 2006.

Workshop for the reformulation of the work area of the Azahar Programme, held in Amman , Jordan from 11 to 13 November 2007.

“Initial Assessment of the Contribution of Renewable Energy Technologies in Arab Mediterranean Countries”, presented paper at the advanced seminar on solar and wind power energy, Pamplona – Spain, May 8th to 13th 2006.

“Advanced Seminar on Application of renewable energy sources in urban Mediterranean settings”: held in Algiers, from 28th , May to 1st June 2005.

“Economical operation of power Network Nablus”, presented paper at the conference “Energy and Environment – Challenges for development and reconstruction”, Nablus – Palestine 29 – 30 October 2000, P. 19-26.

“The Effect of Improving power factor in Industrial sector in West – Bank – Palestine”, presented paper at the conference “The Arab Regional conference on Energy for sustainable Development” – Cairo, 10 – 12 September 2005.

Advanced Seminar on renewable sources of energy: A sustainable regional energy model, Pamplona, 17th to 22nd May 2004.

“Potential of Renewable Energy in Palestine”, Presented paper at the conference on “Energy and Environmental Protection in sustainable Development”, Hebron – Palestine , 8 – 9 May 2007.

Advanced seminar on “Rural Electrification with solar Hybrid micro Grids for Electricity Generation in Palestinian Territories”, organized by Catalan Energy Institute – Spain and Energy Research Centre – ANNU, Nablus – Palestine , 18th to 23rd of November 2006.

Advanced workshop on “University – Industry cooperation in Research and Technology Transfer”. Organized by University of Alicante Spain. Energy Research Centre – ANNU – Palestine, 6th to 8th December 2005.

Participation in exhibition of the 1st Global Renewable Energy Conference and Exhibition (GC Reader), 18 – 31 September 2006, Amman – Jordan.

Participation in the 5th international conference and exhibition for Environment Technologies, Management and Funding the Gateway to profitable Environmental compliance, Cairo on 21-23 May 2007.

REFERENCES

Available upon request
