

Curriculum Vitae

Status : July 2008

I- Personal Information

Name : Marwan M. Mahmoud
Date and place of birth : May 14,1944 Tallouza (Nablus)-
Palestine
Marital status : Married
Religion : Muslim
Nationality : Palestinian
Address : An Najah National University, Nablus
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II Languages

Arabic, English, German

III University Education

A) Degrees

1. Ph.D. in Power Electronics and Electric Energy Systems,
Swiss Federal University of Technology (ETH-Zuerich)
Switzerland June 1982 .
 - Doctoral Thesis : Investigations on Mains Current Behaviour
and Load Sensitivity of Power Pulsation-Compensated
Thyristor Cycloconverters with Single Phase Output.
Diss. ETH - Zuerich Nr. 7092.
2. Dipl. Ing. in Electrical Engineering , Technical University Aachen
(TH-Aachen), Germany 1973.
 - Study Project : Design and Building of a High Current-Thyristor
Puls Generator for Control of Laser Diodes, TH-Aachen
1972.
 - Final Study Project : Design, Building and Optimization of an
Impatt Diode Reflexion Amplifier Using Wave Guide-and
Coaxial Conductor Techniques in X-Band Frequency, TH-Aachen
1973.

B) Scholastic Honours

Honours Medal of the Swiss Federal University of Technology (ETH Zuerich) for Distinction Doctoral Thesis, June 1982.

C) Scholarships

1. Technical University Aachen - Germany : 1970-1973 to obtain the German Academic Degree Dipl. Ing. In Electrical Engineering.
2. The Swiss Confederation : 1977-1982 Doctoral Candidate at ETH-Zuerich to obtain Ph. D in Power Electronics.
3. US-AID, University of Florida-Gainesville-USA Feb. 83-June 1983, Special Course on Alternative Energy.

IV Teaching Experience

1. Incharge of numerous students' projects in the field of electrical engineering and electronics at Technical University Aachen - Germany 1973-1975.
2. Incharge of numerous students' projects and teaching assistant in the field of electrical engineering and power electronics at ETH-Zuerich-Switzerland, 1977-1982.
3. Teaching the course : Non-Conventional Energy Sources for post graduate students in the M.Sc.-program of electrical engineering, University of Jordan-Amman 1993/1994.
4. Teaching electronic engineering courses at Princess Sumaya University College of Technology (PSUCT) Amman-Jordan 1994.
5. Associate Professor at An-Najah National University (ANNU) Nablus-Palestine, for electrical engineering, power electronics and renewable energy, Oct. 1994-present.

V Employment Records and Professional Experience

1. Associate Professor at (ANNU), Oct. 1994–present.
2. Director of Energy Research Centre at ANNU, Nablus–Palestine, Sept. 1996-2001.
3. Head of Photovoltaic Section and principal researcher in the field of power electronics, PV, wind energy , rural electrification and water pumping systems at the Renewable Energy Research Centre (RERC) of the Royal Scientific Society (RSS) Amman-Jordan, Nov. 1984–Oct. 1994.
4. Member of Foundation team of Princess Sumaya University College of Technology - Amman , July 92 - Oct. 94 and chief of Electronic Eng. Department in it, July 93 - Oct. 94.
5. Assistant Director of RERC/RSS, Jordan Feb. 88-May 1989.
6. Acting Director of RERC/RSS Sept. 87–Jan. 1988.
7. Head of Wind Energy and Photovoltaic Section, RERC/RSS Nov. 83-Nov. 1984.
8. Researcher and principal engineer in the field of photovoltaic, power electronics and wind electric systems RERC/RSS Aug. 82–Nov. 1983.
9. Researcher and teaching assistant at the Institute of Automatic Control and Power Electronics, Swiss Federal University of Technology (ETH–Zuerich) (Working on Doctoral Thesis) Zuerich, Switzerland, Oct. 77–Aug. 1982.
10. Researcher and principal engineer in the field of electronic maintenance, electric machines and measurement techniques, RSS, Sept. 75–Oct. 1977.
11. Teaching assistant and researcher in the fields of applied electromagnetics, electrical measurements and linear motors, Technical University Aachen - Germany, Jan 74–July 1975.

VI Publications

A) Technical Papers–(International Journals)

- A1- F.A Ahmedov, Marwan Mahmoud, P.A. Momenov, M. Amro
Experimental station for testing of photovoltaic modules characteristics, Solar Energy Technology, Academy of Science of the Soviet Union,
(Moscow & Uzbekistan) ODK 621.362, Oct. 1985.
- A2- Hafez M.El. Zayyat and Marwan Mahmoud, Jordan first photovoltaic water pumping system, Dirasat, University of Jordan Vol. XIII, No. 10, Oct. 1986.
- A3- Hafez M. El Zayyat and Marwan Mahmoud, Photovoltaic power generators for radio communication systems in Jordan, IEE Proceedings, Vol. 135, Pt. C, No. 5 Sept. 1988.
- A4- Marwan Mahmoud, Experience results and techno-economic feasibility of using photovoltaic generators instead of diesel motors for water pumping from rural desert wells in Jordan, IEE proceedings, Vol. 137, Pt. C, No. 6, Nov. 1990.
- A5- Marwan Mahmoud and Ismail Nabhan, Analytical and graphical methods for determination of solar cell parameters and investigations of shadowing effect, Int. J. Solar Energy, Vol. 9, 1990.
- A6- Marwan Mahmoud and Ismail Nabhan, Determination of optimum tilt angle of single and multi rows of photovoltaic arrays for selected sites in Jordan, Solar & Wind Technology Vol. 7, No. 6, 1990.
- A7- M. A. Hammad and Marwan Mahmoud, Thermodynamic and electric behaviour of a monocrytalline photovoltaic module under natural weather conditions, Alexandria Engineering Journal, Vol. 32, No. 1, Egypt Jan. 1993.
- A8- Mahmoud S. Audi and Marwan Mahmoud, Photovoltaic solar conversion systems for rural Jordan, RERIC International Energy Journal : Vol. 15, No. 1, June 1993.

A9- Imad Ibrik, Marwan Mahmoud – Energy Efficiency Improvement Procedures and Audit Results of Electrical, Thermal and Solar Applications in Palestine, Elsevier – Energy Policy Journal 2004 .

A10- 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 .

A11- 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 .

A12- Marwan Nahmoud , Imad Ibrik, Power losses Reduction in low voltage distribution networks by Improving the Power Factor in Residential Sector – Pakistan Journal of Applied Sciences, volume 2, N 7 2002 , P. 727 – 732 .