# Dr. Maher Khammash

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# CURRENT POSITION

* + **Assistant professor, Department of Electrical and Computer Engineering, An-Najah National University.**

# EDUCATION

* **Ph.D, Electrical Engineering. Moscow Power Engineering Institute “Technical University”, Moscow, Russia, 1993.**

 **Specialization: Electric Power Systems.**

**Ph.D dissertation: Development of computer aided design elements to solve the problem of reactive power compensation in distribution and transmission networks of electric power systems.**

* **MSc. Electrical Engineering. Moscow Power Engineering Institute “Technical University”, Moscow, Russia, 1989 (with honor).**

**Specialization: Electric Power Systems.**

* **Secondary school, scientific stream, 1982. Average 96.9%**

# WORK EXPERIENCE

* + **1993- Present, Assistant professor, Department of Electrical Engineering, An-Najah National University.**
	+ **1996-1999, Head of the Department of Electrical Engineering, An-Najah National University.**
	+ **1993-1997, Advisor in the field of Electrical Engineering at Tubeileh Engineering Company.**
	+ **2002-2004, Dean of Hisham Hijjawi College of Technology at An-Najah National University.**
	+ **2009-2017, Head of Electrical Engineering and Telecommunications engineering departments at An Najah National University.**
	+ **2014 -2017, Coordinator of the master program:” Electrical Power Engineering”.**
	+ **2017-2021, Dean of Hisham Hijjawi College of Technology at An-Najah National University.**
	+ **2021-now Assistant professor, Department of Electrical and Computer Engineering**

**ADDITIONAL CAREER EXPERIENCE**

* **I was responsible for a training course in electrical installations and electrical machines held at An- Najah University in 1997.**
* **I was a reviewer of the Energy Balance Report published by Palestinian Central Bureau of Statistics (PCBS) for the years 2001, 2002, 2003.**
* **I was a reviewer of the program of Bachelor degree in “Technology of Electrical Energy” submitted by Palestinian Polytechnic University “PPU” to the Ministry of Higher Education in 2008.**
* **I was a member of the Norwegian team to evaluate the projects performed by the Palestinian Energy Authority PEA and funded by Norway and Sweden during the period 2004-2008 “phase 4” regarding improvement and rehabilitation of the Palestinian power system, and to evaluate the future projects for the period 2008-2010 “phase 5”.**
* **I was the representative of An-Najah University in the workshop aimed to design the earthing system in Palestine.**

## I was responsible for preparing and adopting the post graduate program: “Master in Electrical Power Engineering” and was the coordinator of this program which started at An-Najah National University from the beginning of the academic year 2014/2015.

* **As the dean of Hisam Hijjawi college of Technology my responsibilities include the general running of the college as well as the development of all newly established departments and educational programs, holding training courses offered to the market, running the technical centers for vehicles testing, and dealing with all the issues related to development of technical vocational training in Palestine.**
* **Member of employment council of Nablus Governate since 2017.**

**COURSES TAUGHT:**

**Bachelor level courses:**

* + **Electric power systems 1**
	+ **Electric power systems 2**
	+ **Analysis and planning of Electric power systems**
	+ **Design and analysis of electrical networks.**
	+ **Electrical installations and safety systems**
	+ **Electrical machines 1**
	+ **Electrical machines 2**
	+ **Electric circuits 1**
	+ **Electric circuits 2**
	+ **Systems and signals**
	+ **Computer languages**

**Master level courses:**

* + **Introduction to Energy Technology.**
	+ **Advanced analysis of electrical power systems.**
	+ **Stability and control of electrical power systems.**

**PUBLICATIONS**

* **Maher J.Khammash “Two Algorithms of Reactive Power Compensation in Distribution Networks”. Moscow Power Institute publications. 1992.**
* **Maher J. Khammash “Design of an Electrical Network for the West Bank of Palestine with the Selection of Optimum Site of the Generating Power Plant”.**

**Published in Journal of Applied Sciences, volume 5, number 7, pages 1142-1150. September 2005.**

* **Raed A.Alqadi; Maher J. Khammash “An Efficient Parallel Gauss-Seidel Algorithm for the Solution of Load Flow Problems”. Published in the International Arab Journal of Information Technology (IAJIT), volume 4, number 2, pages 148-152, April 2007.**

**Jordan, Zarqa Private University. P. O. Box 2000**

## Maher Khammash, Marwan Mahmoud, Ibrahim Ibrahim, Ihsan Omareyeh

**Impacts of distributed photovoltaic generation on Jenin distribution network: voltage level, power losses, power factor and power quality**

**Fifth International Energy Conference, Ramallah, Palestine 27-28 January 2015.**

* **Neda Hantash, Tamer Khatib , and Maher Khammash3**

**An Improved Particle Swarm Optimization Algorithm for Optimal Allocation of Distributed Generation Units in Radial Power Systems. Published in Applied Computational Intelligence and Soft Computing journal , Volume 2020, Article ID 8824988, 8 pages**

# Certifications or professional registrations

**Member of the Palestinian and Jordanian Engineering associations**

**REFERENCES**

**Available upon request.**