

Sameh Betamony

M2 student in Electrical Engineering for Smart Grids and Buildings program

Passionate about energy transformation and optimization, always willing to learn and to adapt. A student in the master program of electrical engineering for smart grids and buildings with focus on optimization applications in electrical power systems. Over than two years of experience in designing and developing Solar PV systems from small residential scale up to large utility scales according to different international standards. A certified energy transfer expert from The Renewables Academy AG (RENAC) in Germany, and an active volunteer and officer in IEEE, IEEE IAS & IEEE PES.



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EDUCATION

MASTER'S IN ELECTRICAL ENGINEERING FOR SMART GRIDS & BUILDINGS

Grenoble INP - Ense3, UGA

09/2020 - Present

Grenoble, France

Courses

- ICT for Smart Grids and Smart Cities
- Distributed Generation
- Machine Learning and Optimization
- Energy Markets and New Energy Stakeholders
- Microgrids, Smartgrids and Supergrids
- Innovative Problem Solving and French Language

Bachelor of Science in electrical Power Engineering

Yarmouk Univeristy, Jordan

09/2012 - 09/2017

Irbid, Jordan

WORK EXPERIENCE

SOLAR PV DESIGN & IMPLEMENTATION ENGINEER.

Kawar Energy.

12/2017 - 01/2020

Amman, Jordan

Kawar Energy, is an eco-friendly project developer, focused on bringing technologies, solutions and services of energy.

Achievements/Tasks

- Design LV & MV Electrical systems for Solar PV generation systems.
- Design solutions for hybrid storage/solar PV/ diesel generators systems.
- Prepare electrical designs drawings such as single line diagrams.
- Prepare Bill of quantities for different projects.
- Review engineering drawings and calculations.
- Run different types of simulations for Solar PV projects.

ORGANIZATIONS

IEEE Industry Applications Society (10/2017 - Present)

Student Branches Middle East Area Chair

IEEE Industry Applications Society Jordan Chapter (09/2017 - 09/2020)

Chairman and Founder

IEEE Power and Energy Society Jordan Chapter (09/2018 - 09/2020)

Vice-Chairman

SKILLS

MATLAB

Python

AutoCAD

Microsoft Office

PVsyst

Team work

Communication Skills

Research

Leadership

Projects management

CERTIFICATES

• Energy Transformation Expert (06/2020 - Present)

ENERTRACKS ONLINE TRAINING /The Renewables Academy AG (RENAC), based in Berlin, Germany

AWARDS & ACHIEVMENTS

French Embassy scholarships program recipient for the academic year 2020/2021. (09/2020 - 07/2021)

A scholarship to do a master degree in France.

IEEE IAS Myron Zucker Travel award 2016 & 2017

First Jordanian to win the award.

IEEE Jordan Student Branches Congress 2016 (07/2016 - 07/2016)

Chair of the congress

LANGUAGES

Arabic



English



French



RESEARCH INTERESTS

Machine Learning and optimization applications in power systems

Energy markets development.

Renewable Energy sources integration with the grid.

Power Systems Stability.

Smart & Micro Grids.

Power Electronics.

Applications of Storage systems.

Integration of different power source.