Curriculum Vitae

Personal Information:



Name	Mhd Mouffak AL_Khateeb
Date of Birth	12 /5/1986
Place of Birth	AL_Madeneh AL_Monaoarah
Nationality	Syrian
Marital Status	Married
Mobile	
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Educational Attainment:

- **PHD** in International Electrical Interconnection using VSC-HVDC (Planning-Power Grid Stability-Control)- with **excellent degree** from Damascus University-2019
- **Master degree** in Power Electrical Engineering with **excellent degree** 85% from Damascus University –Syrian Arab Republic 2012.
- **Bachelor degree** in Electrical Power Engineering **Good degree** 68.38% from Damascus University – Syrian Arab Republic June 2009
- Science Baccalaureate certificate (Damascus-Syria) May 2004 93.7%

Languages:

Arabic: *Native.*

English: Excellent

Scientific experience:

- **PHD thesis:** Transmission System improvement using VSC-HVDC
- **Master theist**: Power loss minimization in distribution network using ultracapacitor

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Practical experience:

- **Lecturer** at the Syrian Engineers Syndicate and Syrian Universities since 2012 till present.

  Achievements:

  - Technical Course curriculum design and developer for UniHouse London-United Kingdom-2023.
  - Solar Photovoltaic technical course at Syrian Engineers Syndicate-2023

- **Power Engineering Consortium:**
  Co-founder - Electrical Engineer Consultant.
  From 2021 till present.
  Working scope:
  Supervision on studies, design and implementation for medium and large scale solar power projects.

  Achievements:

  - Electrical study and shop drawings for residential and commercial buildings-Marota City - Damascus.
  - Supervision and execution of **500kw** photovoltaic hybrid system with HV storage system – Private University in Daraa.
  - Auditing, assessment and reviewing the study of 10MW On-Grid solar photovoltaic power plant –Rural Damascus.
  - 100MW On-Grid solar photovoltaic power plant design with its 230/33kv substation – Industrial Hasya – Homs.
  - Data Center Tier III electrical power design –Erbil- Iraq 2024.
  - Fuel tank electrical design –Lybia-2023.
  - Shop drawings and As-built drawings for commercial buildings and mall – Riyadh - KSA-2024.
  - 30MW photovoltaic On-Grid power plant complete study.
  - 80MW On-Grid photovoltaic plant study and execution assessment and review – Rural Damascus.
  - Electrical power engineering consultant at: Talal Abu - Ghazaleh TAG Global.
  - Study and implementation of a renewable energy solution with energy storage for a multiple villas in Al-Hamadaniyah, Aleppo.
  - Energy auditing studies for the United Nations – UNDOF.

- Analytical study for electrical power source solutions for the United Nations – UNDOF.

- **Servicomm SARL –** Lebanon:
  Consultant in High Voltage Substation and EPC projects
  From April 2019 – 2021
  Company specialty:
  - Supervise power team in preparing technical and financial offers.
  - Support power team to achieve the optimum technical decision.
  - Studying and implementation of medium voltage substations.
  - Studying and implementation of high voltage substations (GIS & AIS).

Achievements:

- 300MW On-Grid photovoltaic design at Tufail-Lebanon.
- Eight high voltage substation 230/150KV and 150/66KV protection system rehabitation.
- Study and design 220kV Underground three-phase cable route with fiber optic Bsalim-Marina ((Cable route 4.2km)).
- 30MW On-Grid photovoltaic design at Faraya –Lebanon.
- Design and implementation of 1MW Hybrid photovoltaic system for private school in Lebanon Mountain.

- **Public Establishment for Transmission of Electricity PETE:**
  Electrical Engineer Specialist in the Syrian electrical ministry
  From October 2009 to April 2019:
  Working scope:
  - PLS – CADD Study for OHTL and underground cable laying 230-400kV.
  - Preparing technical books related to power system projects in **PETE.**
  - Study and compare technical and financial offers.
  - Member of the electrical interconnection Committee (HVDC interconnection project Syria - Turkey).
  - **Achievements**:

- A study on the improving of the Syrian national grid using DIGSILENT and PSS/E software.
- The study of the stability of the Syrian power grid.
- Five-year plan and long-term plans for the Syrian electric ministry.
- Head of studies branch at the protections institute.

- **IUST University**
  Lecturer
  From October 2014 to February 2019

Courses Taught

- Computer Skills 1 – Computing Fundamentals, and MS-Office.
- Computer Skills Visual Basic .Net programming.
- Computer Skills C programming.

- **Damascus University**
  Lecturer
  From 2012 to 2019

Courses Taught

- Basics of engineering
- Basics of electrical engineering
- Electrical circuit
- Power system components
- Power system analysis
- Electrical substation

Courses:

- Alternative Power Resources, Alzaytoonah University of Jordan, 2023.
- Solar Bootcamp: Solar PV technologies development and solar PV basic principles, Design of on-grid solar PV systems, Design of off-grid solar PV systems, Solar PV application for agricultural pumping systems, Testing and commissioning of solar PV systems, by Solarabic Berlin, Germany 2022.
- Introduction for SEL Relay, SEL University, 2021.
- Top 5 Reasons To Switch To Digitally-Integrated Power Transformers, By ABB, 2020.
- The Utility Pathway to Digitalization, By ABB, 2020.
- Co-Simulation of Electromagnetic & Phasor Transient, by Etap, 2020.
- Motor Acceleration Studies, by Etap, 2020.
- Protection Assessment management system, by Etap, 2020.
- Stability studies for Power Systems,by Etap,2020.
- "Power Factory" software stability course by DigsilentBuyisa (pty) Ltd in South Africa 2018.
- "Power Factory" software protection course by Digsilent Buyisa (pty) Ltd in South Africa 2018.
- "Power Factory" software Electromagnetic Transient course by Digsilent Buyisa (pty) Ltd in South Africa 2018.
- Protection course in Ekra Russian company in 2016.
- Completed Seminar on electric power Development by power china Zhongnan company in 2015 in china.
- MS-Project 2013 course by MDPC.
- High voltage tower design course by Italian company CDC in 2011.
- Neplan course for power system planning and analyzing in Damascus university. .
- PSS/BTI course for power system studies and power stability (Load flow, short circuit, and protection) at PEEGT.
- Full English course at ELTC
- Course in management and communication skills

Skills:

- Good user for ETAP electrical power system analysis program
- Good Programmer of programmable logic controller (PLC) &Microcontroller.
- Excellent Matlab simulator.
- Good knowledge about industrial control.

Publications:

- "Optimal Reactive Power Compensation in Distribution Network" – Damascus university journal.
- "HVAC Control Development" – Tishreen university journal.
- "Phase Shifting Transformer Simulation and Uses" Tishreen university journal.
- "Transmission System Containing VSC-HVDC Analysis and Simulation" ALBaath university journal.
- "Extreme Emergency Analysis for Syrian Electrical Network" Damascus university journal.