

Mehrdad Mostafavi

Electromechanical and Energy Engineer

Brussels, Belgium

LinkedIn - Website - info@mehrdadmostafavi.com

SUMMARY

- Born 23 May 1995
- Iranian (Single Permit)
- Single
- In Belgium since September 2019

In 2018 graduated with a Bachelor of Science in Electrical Power Engineering from the Azad University of Iran - Arak Branch. After receiving my bachelor's degree, I decided to pursue my studying in the field of electromechanical engineering abroad. I got admitted to a lot of universities around the world. Ultimately, I chose Vrije Universiteit Brussel and moved to Belgium in 2019. During these years, I became a specialist in several fields because of doing a wide range of projects, courses, and hard work. After those challenges, I followed my dreams by entering the industry and making my theoretical knowledge, practical by joining the R&D team at IBA as an electrical engineer designer.

My ability to work with all others as part of a team or independently, the capability of dealing with deadlines, set priorities, and multitask, strong interpersonal, analytical, and problem-solving skills, and being highly initiative to manage a busy workload without close supervision have equipped me to handle any hurdles and be effective whether working in a group or alone.

I have been motivated and passionate about moving forward since I was a small child. I apply these ideals to every encounter I have in my life, both personally and professionally, whether it be discovering unusual possibilities, picking up new abilities, or meeting new people.

Creative ♦ Problem solver ♦ Dedicated ♦ Organized ♦ Team player ♦ Meticulous ♦ Fast Learner

EXPERIENCES

- **Electrical Engineer Designer, IBA, Louvain-la-Neuve, Belgium, 2023 – Current.**
 - **Consultant Engineer, SThree, Brussels, Belgium, 2023 - Current.**
-

SOFTWARE SKILLS

- EPLAN Electric P8
 - AutoCad
 - SMA Sunny Design
 - ONELAB/Gmsh/GetDP
 - ANSYS Fluent
 - MATLAB Simulink
 - COMSOL Multiphysics
 - SolidWorks
 - Microsoft Office
-

LANGUAGES

- **Persian (Farsi):** Native
 - **English:** Professional working proficiency
 - **French:** In the learning Process (A1)
-

EDUCATIONS

- **M.Sc. in Electromechanical engineering-Energy, Vrije Universiteit Brussel (VUB) & Universite Libre de Bruxelles (ULB), Brussels, Belgium, 2019 - 2020 & 2021-2023.**
 - **B.Sc. in Electrical Power Engineering, Azad University of Iran – Arak Branch (IAUA), Arak, Iran, 2013 - 2018.**
-

Mehrdad Mostafavi

Electromechanical and Energy Engineer

Brussels, Belgium

LinkedIn - Website - info@mehrdadmostafavi.com

ACHIEVEMENTS

- Scholarship for the Munich Conference Series on Ethics in Innovation (Invited: Max Planck Institute and International Association for Human Values).

PROJECTS

- *Designing a flexible Articulated PVA (Photovoltaic array): This is a project, which is defined by Thales Alenia Space company as a part of "Agoria's Design & Engineering Challenge" to solve real business issues with additive manufacturing technology.*
- *A numerical study on the effect of hydrogen leakage size and wind speed on flammability and explosion zone of hydrogen: Finding the flammability and explosive area of a hydrogen pipeline in free space, using ANSYS Fluent.*

AREAS OF EXPERTISE

- Drawing of PLC Circuits
- Graphic Drawing and Electrical Panels' Outside Equipment
- Cable Drawing
- EPLAN 2D-Layout Drawing
- EPLAN Pro Panel (3D Drawing)
- Design of Photovoltaic Systems
- Implementing a load flow algorithm, with different variants.
- Performing an economic dispatch and a unit commitment to electricity generation.
- Computational Fluid Dynamics (CFD)
- Finite Element Analysis (FEA)

PROGRAMMING SKILLS

- MATLAB
- Python
- C++
- PLC LOGO!

OTHER EXPERIENCING & ACTIVITIES

- Member of Institute of Electrical and Electronics Engineers (IEEE) (2017 up to now).
- Young Professionals Member of Institute of Electrical and Electronics Engineers (IEEE) (2018 - 2019).
- Associated Member of Iranian Association of Electrical and Electronics Engineers (IAEEE) - Tehran Province Branch (2017 up to now).
- Associated Member of Iranian Association of Electrical and Electronics Engineers (IAEEE) - Markazi Province Branch (2017 up to now).

PUBLICATIONS

Published:

- Mostafavi et al. "Evaluation of the Effect of Wind Farms with Doubly-Fed Induction Generators on Steady State Voltage.", In Proceedings of the 2017 IEEE International Conference on Environment and Electrical Engineering and 2017 IEEE Industrial and Commercial Power Systems Europe, Milan, Italy (2017).