Minh Phuong, HUYNH

Gradignan 33170, France | (+33) 7 50 02 92 10

Email: minh-phuong.huynh@u-bordeaux.fr

Personal email: phuonghm97@gmail.com

LinkedIn: www.linkedin.com/in/huynhminhphuong

EDUCATION

Grenoble INP - Ense3, UGA, Grenoble, France **September 2020 – July 2022**

Master Program - Electrical Engineering for Smart Grids and Buildings

- Studied about Smart Power Systems aspects: Design, Modelling, Dispatch and Control; components for Smart Grids: Generation, Storage, Smart Cities; Smart Energy System or Power Electronic; Energy Economic and Market;
- Developed self-study and researching skills during school projects and internships.

Danang University of Science and Technology, Danang, Vietnam **August 2015 – January 2020**

Bachelor degree - Electrical and Electronic Engineering

- Studied basic concepts of electrical circuit: analog and digital circuit, power circuit; and general aspects of traditional power network: electrical parts and equipment in power plants, transmission network and substations, logic programming, relay protection, *etc.*;
- GPA: 2.96 / 4.

RESEARCH AND WORK EXPERIENCE

I2M Laboratory, University of Bordeaux, Talence, France **January 2023 – now**

Ph.D thesis – How can we support building users towards more energy-efficient practices?

- Developing a methodology to detect any changes in practices of residential users;
- Proposing to carry out experimental studies to evaluate the efficiency of energy conservation interventions;

G2ELab, Grenoble, France **February 2022 – July 2022**

Internship – Stability of the Distribution Grid with high penetration of Converter-Interfaced Generation

- State-of-the-art: power system stability, Slow Interaction Converter-driven Stability, Converter-Interfaced Generation;
- Assisted a PhD student in building the reduction models of Grid Following and Grid Forming inverters in Matlab/Simulink;
- Implemented the models into IEEE 13-bus distribution test system.

G-SCOP Laboratory, Grenoble, France **June 2021 – September 2021**

Internship – Production of renewable energy by methanation

- Studied the reliability of a new extended building, renovated from an old "Hotel des deux soeurs";
- Studied the methanation state-of-the-art and came up with a brief design of the biological methanation plant.

Grenoble INP - Ense3, University of Grenoble Alpes, Grenoble, France **February 2021 – May 2021**

Research project – Machine learning for GreEn-ER consumption data

- Analyzed GreEn-ER consumption data in 2017 and 2018;
- Applied Non – Intrusive Load Monitoring on GreEn-ER energy consumption by using NILM Toolkit.

ADDITIONAL INFORMATION

Languages	English: Upper-intermediate (TOEIC – 855); French: Beginner
Professional skills	Extensive electrical and circuits knowledge; data analysis; planning and organizing skills
IT skills	Microsoft Office (Word, Excel, PowerPoint, Project), Pleiades Programming language: Python, Matlab/Simulink
Driving license	B1 (International driving permit, valid until August 3rd, 2023)

References

Prof. Laurent MORA

I2M, University of Bordeaux, France

laurent.mora@u-bordeaux.fr

Assoc. Prof. Thomas RECHT

I2M, University of Bordeaux, France

thomas.recht@u-bordeaux.fr