

Joselyn Stephane MENYE

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Location: Le Havre (76600), Normandie, France

Ph.D Candidate, GREAH Laboratory, University of Le Havre, Normandie



ACADEMIC TRAINING

- **Ph.D Student**, GREAH Laboratory, University of Le Havre, Normandie, France
Research Topic: Predicting residual Battery Life in mixed Wind/Hydrogen Systems
- **Msc of Electrical Engineering**, Laboratory of Computer Engineering and Automation, University of Douala, Cameroon.
Specialization¹: Electrical Engineering, Industrial Electronic and Computer Science
- **Engineering degree in Electrical Engineering**, National Higher Polytechnic School of Douala, University of Douala, Cameroon
Specialization²: Electrical Engineering
- **Bachelor's degree in fundamental physics**, University of Yaoundé I

PROFESSIONAL EXPERIENCES

- **August 2020 – 2023: Trainer**, Research Group for Industrial Electronic Systems (GREIS), Douala, Cameroon
- **Sept. 2022 – May 2023: Assistant Professor** (Professor Jean Maurice Nyobe-Yome) (National Higher Polytechnic School of Douala and at EST LaSalle)
 - Preparation and delivery of courses unit: i) Controlled Electric Drives. ii) Electronic Power Supplies. iii) Electromagnetic Compatibility.
- **August 2021 – January 2022: Internship - Chococam - Tiger Brands**, Douala, Cameroon
 - Setting up a maintenance plan for electromechanical equipment on Excel and Elaboration of Checklists.
 - Supervision of preventive maintenance work on electronic equipment
- **March 2021 – June 2021: Internship - ECS Industrial Operations**, Douala, Cameroon
 - Design of a chlorine controller with Raspberry Pi
- **Sept. 2016 – October 2016: Internship - National Hydrocarbons Corporation (NHC)**, Yaoundé, Cameroon
 - Theoretical introduction to exploration techniques
 - Handling of the Office pack in the context of the organization the division's work

SCIENTIFIC PUBLICATION

- **Conference Paper** (36th IEEE CCECE 2023)
Joselyn Stephane Menye, P. M. Lingom, Joseph Song-Manguelle, Jean Maurice Nyobe-Yome and Mamadou Lamine Doumbia: *Effects of Control Strategies on the Assessment of Power Converter Losses in Electric Vehicle Drivetrains*. In 2023 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE) (pp. 235-241). IEEE.
- **Conference Paper** (IEEE ECCE 2023)
P. M. Lingom, Joseph Song-Manguelle, **Joselyn Stephane Menye**, Unruh Roland, Doumbia Mamadou Lamine and Jin Tao: *A Single-Carrier PWM Method for Uniform Step Asymmetrical Multilevel Converters*. In 2023 IEEE Energy Conversion Congress and Exposition (ECCE) (pp. 3599-3606). IEEE.
- **Journal Paper** (Electronics (MDPI) 2024)
Joyce Assaf, **Joselyn Stephane Menye**, M. B. Camara, Damien Guilbert and Brayima Dakyo: *Power Converter Topologies for Heat Pumps Powered by Renewable Energy Sources: A Literature Review*. Electronics, 13(19), 3965.
- **Journal Paper** (Energies (MDPI) 2025)
Joselyn Stephane Menye, M. B. Camara and Brayima Dakyo: *Lithium Battery Degradation and Failure Mechanisms: A State-of-the-Art Review*. Energies, 18(2), 342.

¹ **Master thesis:** *Electric Vehicles: Influence of Modulation and Control in the Evaluation of Static Powertrain Converter Losses*

² **Engineering degree thesis:** *Electric Vehicles: Synthesis of Static Powertrain Converter Topologies, their Modulation and Control Techniques*