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Biography

Decarbonizing the power generation sector is one of the highest priority of 21st century. To assist the modern society to achieve net zero emission goal aligned with SDG 7 goal, my career aspirations has been gathered around the renewable electricity generation. Thus, I have accomplished my master's degree in the Desentralised Smart Energy Systems with the esteemed Erasmus Mundus Scholarship offered by the European Commission. I have studied the multidisciplinary prospects of energy systems featuring the electrical, mechanical and electro-chemical energy conversions along while specializing in the global energy market modelling and optimization from KTH Royal Institute of Technology. Currently, my research works is focusing on the grid integration of renewable energy systems through medium voltage power converters along with the optimal sizing and the energy managements of the relevant converters.

Research Areas

- Power Systems and Renewable Energy

Research Interests

Power Electronic Converters, Energy management in Microgrids, Power Systems Optimization

Teaching

- EEE 362 Power Systems
- EEE 312 Power Electronics
- EEE 111/ ETE 111 Analog Electronics-I
- CEE 110 Engineering Drawing (EEE 154)