

Ahmar Farooque is a PhD student at the Faculty of Engineering of the University of Porto (FEUP), Portugal. He received his M.E. degree in Electrical Power Engineering from Mehran University of Engineering and Technology, Pakistan, in 2021. Prior to his doctoral studies, he gained industrial experience in power plant operation and large-scale power generation systems.

His doctoral research focuses on medium-voltage power converter architectures for integration of electrolyzers with offshore wind power systems. His research interests include medium-voltage power electronics, isolated DC–DC converters, solid-state transformers, modular multilevel converters, MVDC systems, offshore wind integration, and power electronic interfaces for green hydrogen production.



Ahmar Farooque will present the following two papers:

PAPER ID: 335

Hydrogen Production by PEM Electrolyzer, AFE Converter and Offshore Wind Energy

PAPER ID: 338

Offshore Wind Farms Supplying Electrolyzers: Comparative Analysis of Power Converters