

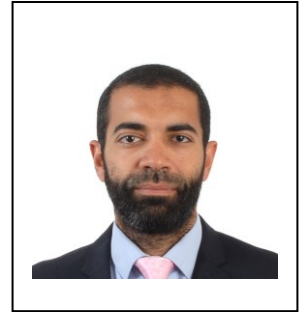
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RESEARCH AND APPLICATIONS

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Bio

Prof Khaled Ahmed received the BSc and MSc degrees from Alexandria University, Egypt in 2002 and 2004, respectively. He received the PhD degree in power electronics applications from the Electronic and Electrical Engineering Department, University of Strathclyde, UK, 2008. In 2011, he was appointed as a Lecturer in Power Electronics at the University of Aberdeen, and was promoted to Senior Lecturer in 2015. Currently, He is a Professor of power electronics at the University of Strathclyde (Power Electronics, Drives and Energy Conversion Group). He has over 20 years of research experience in power electronics, renewable energy integration, solar energy systems, off-shore wind energy conversion systems, smart grids, DC/DC Converters and HVDC. He has won funding of £5.2 million as Primary and Co-Investigator on projects funded by EPSRC, the EU, KTP, the British Council, the Royal Society, the Carnegie Trust, the Scottish Funding Council, the Oil and Gas Technology Centre, and industry (Rolls-Royce, Scottish Power, and Scottish and Southern Energy). Recent funding included Orion Project (first Energy Hub in the UK), £630k, funded by BP, Shell, Equinor, Ithica Energy, SIC, and SSE, 2021-2024 and Horizon EU project, 'Reliable and resilient AC & DC grid design to accelerate the integration of renewables across Europe', £560k with 13 international academic and industrial partners 2022-2026 and Neom Ltd Project 'Grid Code Development' £748k, 2022-2023. He has supervised 25 PhD students; 15 have graduated and the others are ongoing. Prof. Ahmed has published over 180 technical papers in refereed journals and conferences, 1 book, 1 book chapter, and a patent (PCT/GB2017/051364). Total citations of 6404 and h-index of 32. Two of his journal papers are rated in the top 1% of those cited in the academic field of Engineering (Web of Science). He has led the design and delivery of continuing professional development (CPD) courses on HVDC, wind energy conversion systems for technology engineering team in Scottish Power, and Scottish and Southern Energy (SSE), UK. He is a senior member of the Institute of Electrical and Electronics Engineers (IEEE) Industrial Electronics and Power Electronics Societies, IET Fellow, Chartered Engineer, and Senior Fellow of Higher Education Academy (HEA). He serves as a Co Editor-in-Chief of Elsevier Alexandria Engineering Journal, and as an Associate Editor of IEEE Open Journal of the Industrial Electronics Society (OJIES), IET Generation, Transmission & Distribution and IEEE Access..