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Paper Title : Performance Analysis of a Residential Single-Phase Voltage Regulator Under Varying Reactive Load Conditions

Bio :

Cyril Spiteri Staines (IEEE: S'94–SM'20) received a First Class B.Eng. (Hons.) degree in Electrical Engineering from the University of Malta in 1994, and the Ph.D. degree in Electrical Engineering from the University of Nottingham in 1999.

In 1995, he joined the Faculty of Engineering of the University of Malta. He was awarded a Commonwealth scholarship in 1995 to carry out his doctoral degree at the University of Nottingham. He now is a Full Professor of Engineering. From 2003 to 2004, he was a Visiting Lecturer at the University of Nottingham during which he carried out Postdoctoral research on Electric Drives.

Prof. Spiteri Staines has been awarded various research funding including infrastructural funds to develop an Electrical Energy and Efficiency Labs at the UM. He was the principal investigator of a number of funded research projects such as 'Research Services for Energy Efficiency in Manufacturing' and 'Electrical Energy System Optimisation for the More Electric Aircraft'. Prof. Spiteri Staines is involved in various research projects carried out in the Department of Electrical Engineering such as ESTELLE, REVOLT, TENSYGRID and SensorlessPMSM. These cover a wide range of research areas such as low voltage regulation, battery storage, renewable energy systems and high performance electrical drives.

Prof. Spiteri Staines is author on over 150 peer-reviewed journal and conference papers. He has also co-chaired various international conferences such as the recent MedPower 2024 and the IEEE ISGT 2025.

His current research interests include sensorless AC motor drives, Electrical Machines, Power Systems, Energy, Microgrids and Power Conversion systems. Prof. Spiteri Staines is a member of the IEEE, IET and the EI.