

## SENTHIL KRISHNAMURTHY

Prof. Senthil Krishnamurthy completed MENG in Power Systems Suma Cum-laude and a Doctorate in Electrical Engineering. He is an Associate Professor of Power Systems in the Department of Electrical, Electronics, and Computer Engineering (DEECE) at Cape Peninsula University of Technology. He is the Centre Head for Intelligent Systems and Emerging Technologies (CISSET) and Deputy Head of the Center for Substation, Automation, and Energy Management Systems (CSAEMS).

He teaches Master's level courses in Smart Grid Distributed Energy Sources and Smart Grid Protection, Automation and Control, as well as an Honours course in Modern Power System Engineering at CPUT. His research interests encompass Renewable Energy, Power Systems, Artificial Intelligence, and Smart Grids. He is actively engaged in IEC 61850-based applications, including GOOSE, MMS, and Sampled Values, and conducts protection studies using Hardware-in-the-Loop (HIL) simulations with real-time digital simulators. In addition, his work includes applying parallel and distributed computing techniques to address complex power system energy management challenges.

Prof Krishnamurthy is a registered Professional Engineer with ECSA, a Senior Member of SAIEE, and a Member of IEEE. He is an NRF-rated Established researcher (C2). He supervised 25+ postgraduate students (MEng and PhDs) and published 70+ papers in DHET-accredited journals and conferences. He worked on several industrial projects, including ESKOM TESP, EPPEI, Smart Grids, and the SANEDI JET project on Demand-side management. He previously served as a Guest Editor for the Control, Optimization, and Intelligent Computing in Energy Special Issue published by MDPI.