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Bio

Udaya K. Madawala graduated with a B.Sc. (Electrical Engineering) (Hons) degree from The University of Moratuwa, Sri Lanka, and received his PhD (Power Electronics) from The University of Auckland, New Zealand as a Commonwealth Doctoral Scholar. At the completion of his PhD, he was employed by Fisher & Paykel Ltd, New Zealand, as a Research and Development Engineer to develop new technologies for motor drives. At present as a Full Professor in the Department of Electrical and Computer Engineering at University of Auckland, New Zealand, he leads a large group of researchers focusing on a number of power electronics projects that are related to energy and wireless EV charging systems for V2X applications.

Udaya is a Fellow of the IEEE and was a Distinguished Lecturer of the IEEE Power Electronic Society (PELS), and has both industry and research experience in the fields of power electronics and energy. He has served both the IEEE Power Electronics and Industrial Electronics Societies in numerous roles, relating to editorial, advisory, conference, technical committees and chapter activities. He was the General Chair of the 2nd IEEE Southern Power Electronics Conference (SPEC)- 2016, held in New Zealand, and is also the Chair of SPEC Steering Committee. Udaya, who has over 300 journal and conference publications, holds a number of patents related to wireless power transfer (WPT) and power converters, and is a consultant to industry.