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Publication Topics

- Maximum Power Point Tracking,
- Photovoltaic System,
- Power Grid,
- Distributed Energy Resources,
- Microgrid,
- Power Electronics,
- Control Strategy,
- Grid Current,
- Nonlinear Load,
- PI Controller,
- Utility Grid,
- Electric Power

Biography

Ramesh C. Bansal (Senior Member, IEEE) has more than 25 years of diversified experience of research, scholarship of teaching and learning, accreditation, industrial, and academic leadership in several countries. He is currently a Professor with the Department of Electrical Engineering, University of Sharjah, and an Extraordinary Professor with the University of Pretoria (UP), South Africa. Previously, he was a Professor and the Group Head (Power) with the ECE Department, UP. Prior to his appointment at UP, he was employed with the University of Queensland, Australia; University of the South Pacific, Fiji; BITS Pilani, India; and Civil Construction Wing, All India Radio. He has significant experience of collaborating with industry and Government organizations. These utilities include NTPC (a 60 GW Indian Power Generation Company), Powerlink, and ESKOM. He has made significant contribution to the development and delivery of B.S. and M.E. programs for utilities. He has extensive experience in the design and delivery of CPD programs for professional engineers. He has carried out research and consultancy and attracted significant funding from Industry and Government Organizations. He has published over 350 journal articles, presented papers at conferences, books, and chapters in books. He has Google citations of over 12000 and H-index of 50. He has supervised 25 Ph.D., four postdoctorals, and current supervising five Ph.D. students. His research interests include renewable energy (wind, PV, microgrid), power systems, and smart grid. He is a fellow of IET, U.K., and the Institution of Engineers, India. He is an Editor/Associate Editor of several highly regarded journals, including the IEEE Systems Journal, IET Renewable Power Generation, and Technology and Economics of Smart Grids and Sustainable Energy. He is a Chartered Engineer of IET, U.K.