



Brief biography

Fernando Briz received the M.S. and Ph.D. degrees from the University of Oviedo, Spain, in 1990 and 1996 respectively. Currently he is Full Professor in the Department of Electrical, Electronics, Computer and Systems Engineering, University of Oviedo. He has been Vice Dean and PhD Coordinator of the Electrical Engineering Department from 2013 to 2019. He is author/co-author of >80 journal papers and >200 conference papers, mostly within IEEE in the fields of electric drives and power converters. He has been project manager of >60 projects, both public funded (European and national) and in collaboration with industry, and holds four international patents. He is recipient of an IEEE Transactions on Industry Applications Prize Paper Award and ten ECCE and IAS conferences paper awards. His research interests include electric drives, with special focus on traction and wind energy, electronic power converters, mainly grid-tied, control systems and digital signal processing.

List IEEE accomplishments and activities

Fernando has been an active member of IEEE, particularly of IAS for 25 years. He has been an officer of IAS– Industrial Drives Committee (IDC) since 2012, holding the roles of Secretary (2012-2013), Programs Chair (2014-2015), Publications Chair (2016-2017), and Chair (2018-2019). Previously he was Vice Chair and Chair of the Awards Subcommittee in 2007-2008 and 2009-2010 respectively. Currently he is Vice-chair for the IAS-Industrial Power Conversion System Department (IPCSD). He is also member of the Standards Subcommittee of IDC. He has been Vice-chair for Drives at ECCE'12 to ECCE'14 and ECCE'18, and Technical Program Chair for IEEE-IEMDC'19. He has also served in scientific and international steering committees of several IEEE conferences, including IEMDC, ICEM, ICEMS and SLED. He was Chair of the 2nd IEEE Symposium on Sensorless Control for Electrical Drives in 2009. He is a member of the Steering Committee of IEEE Journal of Emerging and Selected Topics in Power Electronics (JESTPE). He is also an Associate Editor of IAS Transactions and JESTPE.

Candidate statement

We need to continue to attract younger and diverse members and expand how we engage with student members. We need to address the academia-industry imbalance, which distorts many aspects of how IEEE, and by extension IPCSD, operates. We must target the needs of industry members, recognize their achievements, and increase their involvement in IPCSD activities. We need to reinforce the relationships with other IAS departments and with sister Societies. We need to improve the coordination and synergies among technical committees of IPCSD. We need to support open access and open science policies.