DREXEL UNIVERSITY
College of
Engineering
Electrical and Computer Engineering

ECE SEMINAR

An Unpredictable Career in Power Engineering

SPRING 2022
TUESDAY, MAY 10, 2022 3:00-4:00PM ET
DREXEL UNIVERSITY-BOSSONE 302

MAY 10

DR. PAULO F. RIBEIRO, VISITING SCHOLAR AT DREXEL, ON LEAVE FROM FEDERAL UNIVERSITY OF ITAJUBÁ, BRAZIL

TALK TITLE:
AN UNPREDICTABLE CAREER IN POWER ENGINEERING

The presentation will highlight the diverse opportunities and possibilities regarding a career in power engineering. The speaker will share his experience of 45 years as a transmission planning engineer, researcher, chief engineer, and faculty in four different countries. Topics will cover transmission technologies, industrial railways, power quality, energy storage, signal processing, space power, renewable energy generation, shipboard power systems, smart microgrids, and philosophy and ethics of technology.

BIOGRAPHY

Paulo F. Ribeiro (M'78–SM'88–F'03) received the B.S.E.E., M.B.A., and Ph.D. degrees from the Federal University of Itajubá, Itajubá, Brazil, and the Ph.D. degree from The University of Manchester, Manchester, U.K., in 1985.

He was a Research Fellow with the NASA Glenn Research Center, Cleveland, OH, USA, Electric Power Research Institute (EPRI), Palo Alto, CA, USA, an Erskine Fellow with the University of Can- terbury, Christchurch, New Zealand, and a Research Fellow with the Brazilian Institute of Electric Energy (INERGE), Rio de Janeiro, Brazil. He worked, taught full-time, and part-time, and worked in the industry in the USA for over 23 years. He also taught at the Technological University of Eindhoven, Eindhoven, The Netherlands. He spent 5 years of his career as a Transmission System Planning Engineer with the Hydroelectric Company of São Francisco (CHESF), Recife, Brazil.

He is currently a Full Professor of electrical engineering with the Federal University of Itajubá. He has authored or coauthored more than 350 papers, several book chapters, and 3 books. His current research interests include power systems, power electronics and power quality engineering, transmission and distribution systems, superconducting magnetic energy storage systems, smart grids, engineering education and philosophy of technology.

Dr. Ribeiro is a Fellow of IET and an IEEE Life Fellow.