

IEEE PES Distinguished Lecturer Program

Date: **Friday, 4th November 2022**

Time: **10:00 – 11:30PM (SGT, UTC+08)**

Venue: **Marina Bay Sands Expo & Convention Centre, Singapore**

Room: **Melati 4101AB**

Seminar is FREE and no registration is required

Topic: Grid Modernization and Smart Distribution Systems

Abstract: This presentation will provide an overview of grid modernization activities and smart distribution systems, and discuss objectives, trends, modern equipment, technologies, leading industry practices, solutions and methodologies used by the electric power industry to modernize distribution grids and facilitate the adoption of Distributed Energy Resources (DER) and electric transportation. This presentation will bring together all these aspects in a cohesive and holistic description to help understand this rapidly evolving and increasingly complex area.



Dr. Julio Romero Agüero is Vice President, Strategy & Business Innovation at Quanta Technology. He has 27 years of experience, he provides leadership to Quanta Technology in the areas of technology and business strategy, innovation, grid modernization, distribution systems planning, reliability, resiliency, and integration of distributed energy resources and emerging technologies. He has developed solutions in these areas for electric utilities and regulatory boards in the USA, Canada, Latin America, the Caribbean and Asia. He is a Senior Member of the IEEE, a Distinguished Lecturer of IEEE PES, and currently serves as Vice President, Membership &

Image in the IEEE PES Governing Board. He has served as Chair of the 2020 and 2021 Innovative Smart Grid Technologies Conference – North America (ISGT – NA), Chair of the IEEE Distribution Subcommittee, Chair of the IEEE Working Group on Distributed Resources Integration, Editor of IEEE Transactions on Power Delivery, and Editor of IEEE Transactions on Smart Grid. He is an Adjunct Professor at University of North Carolina at Charlotte.