

Next Generation Network [NGN] Webinars

Overcoming Protection, Control, and Stability Challenges in Microgrids and DERs

Abstract

Grid Modernization can include various aspects, including microgrid and Distributed Energy Resources (DER) integration. DERs in stand-alone applications, or in microgrid applications, can be a key component of resilient power systems. Designing, implementing, and operating such systems can introduce unique challenges. In this presentation, S&C will share experiences and lessons learned from designing, implementing, and operating several cutting-edge and award-winning microgrids and DER applications. S&C will discuss key engineering design components and analytical studies required for successful integration of modern microgrids, including selection and integration of DERs, advanced microgrid protection and controls, and communication systems.

Speaker(s)

Michael Higginson is a Manager of Engineering Services at S&C Electric Company with over nine years of experience in the electric power industry. Michael has led power system consulting and analysis for distribution systems and microgrid development. He has focused on distributed resource integration, power system protection, and automation. Michael has led power system analysis and relaying efforts for award-winning distribution-integrated microgrid systems and renewable generation projects. He has authored several papers on microgrid design, operation, and smart inverter system impacts on power systems. Michael has been awarded two patents by the U.S. patent and trademark office.

Saeed Kamalinia, Ph.D., is a Senior Manager of Consulting and Analytical Services at S&C Electric Company with over 15 years of experience in the electric power industry. He is author/co-author of more than 30 journal papers and conference articles in various areas in power system including renewable generation, distributed generation resources, and power system operation. His articles have been cited more than 600 times by other researchers and professionals. Saeed is the recipient of several industry awards including IEEE-USA Divisional Professional Leadership award and IEEE-PES Chicago Chapter Young Professional award. Saeed holds Ph.D. in Electrical Engineering from Illinois Institute of Technology.

Links & Information

15th September 2021
9AM AEST (Bris/Mel/Syd)
Online (GoToMeeting)
[Register Here](#)

Speakers



Michael Higginson



Saeed Kamalinia