



Dr. Emma M. Stewart, is a respected power systems specialist with expertise in power distribution, clean energy, modeling, and simulation, as well as operational cybersecurity. She holds a Ph.D. in Electrical Engineering and an M.Eng. degree in Electrical and Mechanical Engineering. Emma is Chief Scientist, Power Grid at INL currently and leads activities in supply chain consequence analysis for digital assurance in particular for clean energy cybersecurity related programs. Throughout her career, Dr. Stewart has made significant contributions to the field of power systems, receiving patents for innovations in power distribution systems and consequence analysis for cyber and physical events. Her responsibilities have also included providing electric cooperatives with education, training, information sharing, incident support, technology integration, and R&D services in clean energy integration, resilience and grid planning and microgrid technologies. Dr. Stewart's diverse experience in various organizations and countries has greatly contributed to her expertise in power systems integration and renewable energy. Her PhD work has focused on topics such as fuel cell systems for distributed generation, wind resource integration, and microgrid development.