

**Dr. Gregory Reed** is the newly appointed Director of the Power & Energy Initiative in the Swanson School of Engineering at the University of Pittsburgh and an Associate Professor in the Swanson School's Electrical & Computer Engineering Department. As the first director of the new Power & Energy Initiative Dr. Reed provides the vision and leadership for the Swanson School of Engineering's multidisciplinary activities for the initiative's educational, research, and outreach components. He works closely with industry partners, federal and state agencies, foundations, and other constituents in collaboration with the Swanson School's faculty and staff and the university's Center for Energy on various funding and advanced research oriented efforts. Dr. Reed also teaches courses in the fields of electric power and energy engineering within the Electrical & Computer Engineering Department. His research interests include advanced power & energy generation, transmission, and distribution system technologies; renewable energy systems and resources; SmartGrid technologies; energy storage, power electronics, and control technologies; energy efficiency and power quality.

Prior to his appointment at the University of Pittsburgh, Dr. Reed served as Senior Vice President of the Power System Planning & Management Group at KEMA, Inc. – an international company providing power & energy consulting, technology implementation, and market knowledge expertise, beginning in January 2007. At KEMA, he provided the strategic leadership and management of the technical power systems practice in North America, focusing on industry issues related to transmission & distribution system planning and asset management, power electronics & energy conversion and storage systems, system protection, control & automation, sustainable & renewable energy integration, and future power systems. Dr. Reed will maintain his association with KEMA in an executive consulting role.

He has 23 years of industry and academic experience in the power & energy arena. Dr. Reed is a recognized worldwide authority and industry leader for the development & application of advanced power electronics systems and power transmission & distribution, generation, and industrial systems technologies. He has authored or co-authored over 50 published papers and technical articles in the areas of electric power system analysis and the applications of power systems technologies.

Dr. Reed is an active member of the IEEE Power & Energy Society, participating in various committees, task forces, and working groups; as well as a member of the American Society for Engineering Education (ASEE). He is currently a member of the IEEE PES Governing Board, serving as Vice President of Membership and Image. He also serves as the education working group chair for the IEEE PES Power & Energy Engineering Workforce Collaborative, and is a member of the IEEE-USA Energy Policy Committee.

He has worked extensively with various industry and government organizations towards the advancement of power & energy related research, educational, and market initiatives; and was a major contributor to the drafts and proposals of US Energy Policy Legislation, including written language that is now part of the US Energy Policy Act of 2005. Dr. Reed has extensive international experience, including extended assignments in Europe (Switzerland) and Asia (Japan), as well as significant travel and business experience throughout Europe, Asia, South America, Australia, and the Middle East.

Prior to joining KEMA in 2007, Dr. Reed spent the majority of the previous 10 years with Mitsubishi Electric Power Products, Inc., most recently as director of business &

technology development, and had also served as general manager of the power systems division, focusing on applications of generation and T&D equipment, technologies, and services; including high voltage substation equipment (gas circuit breakers, power transformers, gas-insulated substations, etc.) and power electronics & control technologies, as well as power system engineering services.

Previously, while working on his Ph.D. at the University of Pittsburgh, he was employed with the ABB Transmission Technology Institute as a senior engineer, including an engagement with the ABB Corporate Research Center, and also worked as a consulting engineer for the Westinghouse Science & Technology Center in the advanced electro-mechanical systems division.

Dr. Reed began his career in the electric power industry at the Consolidated Edison Co. of New York, Inc. where he served as an engineer in various areas, including electric planning, system operations, engineering and system analysis, and relay protection.

Dr. Reed earned his Ph.D. in electrical engineering with a concentration in electric power from the University of Pittsburgh; his Masters of Engineering in electric power engineering from Rensselaer Polytechnic Institute; and his B.S. in electric power engineering from Gannon University.