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Dr. Julio Aguero and his associates discuss the rapid transformation of the electric grid needed to keep up with new unseen demands. His journal article is meant to serve as a roadmap for implementation and understanding of needed grid modernization. This article gives a world view of energy grid security throughout the Americas.

According to the Electricity Journal, J**ulio Romero Aguero** is Vice President of Strategy and Business Innovation at Quanta Technology. He currently serves as Chair of the IEEE Distribution Subcommittee and Chair of the IEEE Working Group on Distributed Resources Integration. He is an Associate Member of the Graduate Faculty of the University of North Carolina at Charlotte. He was Editor of IEEE Transactions on Smart Grid and IEEE Transactions on Power Delivery, and Commissioner of the National Energy Commission of the Republic of Honduras.