

Dr. Shay Bahramirad is the Senior Vice President of Engineering, Asset Management, and Capital Programs at LUMA Energy, the power company responsible for electric service in Puerto Rico. In this role, she is responsible for the oversight, planning, and execution of plans to modernize the power infrastructure. This includes a foundation of developing local engineering talent, teams and processes, and the prudent application of grid technologies to enable the safe, reliable, sustainable, and cost-effective delivery of electricity to the people of Puerto Rico.

Shay has held several positions in the sector including Vice President of Climate and Resilience at Quanta Technology, where she was responsible for assisting cities and utilities with climate change risk assessments for their assets, operations, and services and for developing investment strategies to mitigate and adapt to climate change. Prior to that, she was Vice President of Engineering and Smart Grid at ComEd, the electric utility serving Chicago and Northern Illinois, where she had led efforts to demonstrate and deploy technologies to ensure that the distribution system meets strategic goals related to reliability, resiliency and sustainability, while developing and implementing a broader community of the future vision including a focus on industry-informed STEM education for underrepresented communities in the industry including girls. She has been an expert witness testifying on several state and federal regulatory proceedings around microgrids, energy storage, investment strategies, and the interconnection of distributed energy resources.

Dr. Bahramirad is a leading figure in the industry. She is the President-elect of IEEE Power and Energy Society, an editorial board member of the Electricity Journal, an adjunct professor at the Illinois Institute of Technology, and a founder of IEEE Women in Power. She is a contributor to the United Nations SG7, Affordable and Clean Energy, and has served as a US CIGRE Executive member.

Shay completed her PhD in electrical engineering at the Illinois Institute of Technology, and has published dozens of academic articles on topics including smart grids, microgrids, reliability, sustainability, and resiliency, as well as being the recipient of multiple US patents.