Dr. Salvatore Morgera with Dr. Marcus Weldon, president of Bell Labs, CTO of Alcatel-Lucent

Dr. Salvatore Morgera is Bell Labs Prize Finalist

USF electrical engineering professor, Salvatore Morgera, PE, FIEEE, was selected a finalist in the 2015 Bell Laboratories Prize competition. The competition, a long, three-stage process, began with 250 entrants from 33 countries ending with seven finalists.

Morgera's project titled "The Wireless Neurological Network" is a wireless networking model of the brain and central nervous system that represents a paradigm shift in thinking. The new model goes beyond existing connectome-based methods to explain more accurately how humans perform cognitive tasks that require both local and global brain activity, and provides new insights into neurodegenerative dysfunctions such as Multiple Sclerosis and Autism Spectrum Disorder. The model was viewed as a game changer that will enable noninvasive diagnosis treatment of these disorders as well as forming a core element of brain enhancement methods for the aging and mentally disabled.

The Bell Labs Prize is an international competition to solicit game-changing and impactful ideas that have the potential to change the way we live, work and communicate with each other. The finalist were honored at dinner event on December 8 in New Jersey.

Dr. Morgera previously taught at McGill University in Montreal and Florida Atlantic University, where is a professor emeritus. He earned his PhD at Brown University.