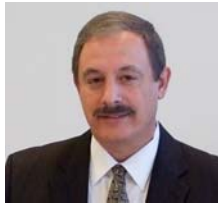


MICROGRIDS: A NEW HUB IN ELECTRICITY INFRASTRUCTURE

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Dr. Mohammad Shahidehpour (IEEE Fellow) is Bodine Chair Professor in the Electrical and Computer Engineering Department and Director of the Robert W. Galvin Center for Electricity Innovation at Illinois Institute of Technology in Chicago. He recently initiated CSAMRT and REACH as two new funded research centers dedicated to the promotion of more affordable and resilient energy supply globally. His latest project is to build a PV-based microgrid in the US Virgin Islands. He is the Principal Investigator of over \$50 million projects on smart grid research and development. Dr. Shahidehpour is the founding chair of the IEEE Great Lakes Symposium on Smart Grid and the New Energy Economy. He received the IEEE Burke Hayes Award for his research on hydrokinetics, Edison Electric Institute's Power Engineering Educator Award, Innovation Award from the Association of Electrical Engineering Department Heads, Technologist of the Year Award from the Illinois Technology Association, and IEEE/PES Outstanding Power Engineering Educator Award. He is a Research Professor at North China Electric Power University in Beijing, Technical University of Denmark, Sharif University of Technology in Iran, and King Abdulaziz University in Saudi Arabia. He is the author of 6 books and 400 papers on electric power systems including a book published in 2003 on communication and control in electric power systems. He is the Editor-in-Chief of the IEEE Transactions on Smart Grid, Area Editor of IEEE Electrification magazine, Area Editor of IEEE Power and Energy magazine, Associate Editor of the Electricity Journal, and an IEEE Distinguished Lecturer. Dr. Shahidehpour received an Honorary Doctorate in 2009 from the Polytechnic University of Bucharest.