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Professor Saifur Rahman is the founding director of the Advanced Research Institute at Virginia Tech, USA where he is the Joseph R. Loring professor of electrical and computer engineering. He also directs the Center for Energy and the Global Environment. He is the 2022 IEEE President-elect, a Life Fellow of the IEEE and an IEEE Millennium Medal winner. He was the President of the IEEE Power & Energy Society in 2018 and 2019. He is the founding editor-in-chief of the IEEE Electrification Magazine and the IEEE Transactions on Sustainable Energy. He is the founder of BEM Controls, LLC, a Virginia (USA)-based software company providing building energy management solutions. He has served as the chair of the US National Science Foundation Advisory Committee for International Science and Engineering. He has published over 150 journal papers and has made over six hundred conference and invited presentations. In 2006 he served on the IEEE Board of Directors as the vice president for publications. He is a distinguished lecturer for the IEEE Power & Energy Society and has lectured on renewable energy, energy efficiency, smart grid, energy internet, blockchain, IoT sensor integration, etc. in over 30 countries. He has a PhD in electrical engineering from Virginia Tech.