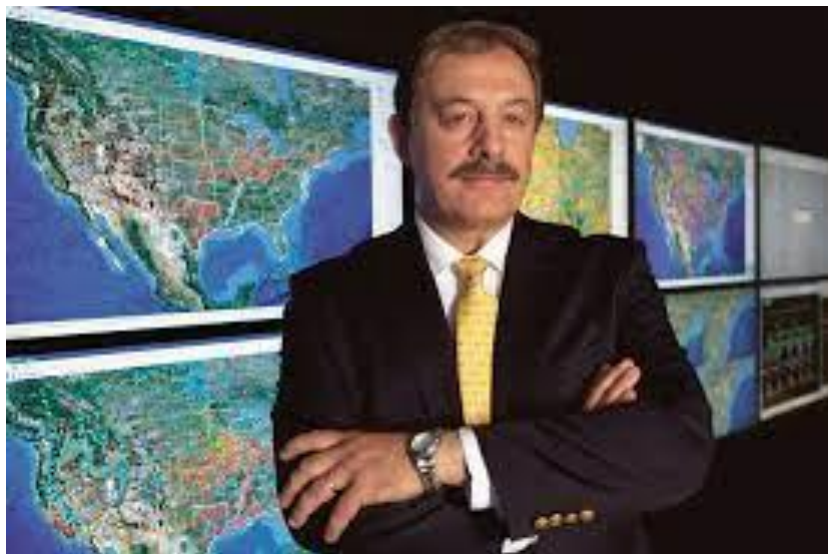


WORLD AUTOMATION CONGRESS

WAC 2022

15th Bi-annual Congress



Mohammad Shahidehpour
Carl Bodine Distinguished Professor
Illinois Institute of Technology
Chicago, IL

Honoree Virtual Keynote No. xxx

No. xxxxx

Time: xx-xx
Date

***“Coordinated Operation and Planning of Renewable
Electric Power and Transportation Networks in Smart
Cities”***

Chair: TBN,

Date:

ABSTRACT: ???

Mohammad Shahidehpour joined Illinois Institute of Technology (IIT) in 1983 where he is presently a University Distinguished Professor. He also serves as the Bodine Chair Professor and Director of the Robert W. Galvin Center for Electricity Innovation at IIT. He is a Fellow of IEEE, Fellow of the American Association for the Advancement of Science (AAAS), Fellow of the National Academy of Inventors (NAI), Laureate of KIA (Khwarizmi International Award), and an elected member of the US National Academy of Engineering. He is listed as a highly cited researcher on the Web of Science (ranked in the top 1% by citations demonstrating significant influence among his peers).

Dr. Shahidehpour has been the Principal Investigator of \$60 million grants and contracts on power system operation and control, smart grid research and development, and large-scale integration of renewable energy. His DOE Project on Perfect Power Systems has converted the entire IIT Campus to an islandable microgrid. He has initiated CSMART (Center for Smart Grid Applications, Research, and Technology) at IIT for promoting the smart grid cybersecurity research and implementation, and enhancing the resilience of wireless networked communication and control systems in smart cities. He is a member of the SPIKE Center in the Stuart School of Business at IIT, which is facilitating the design and the implementation of affordable microgrids in impoverished nations.

Dr. Shahidehpour was the 2009 recipient of the honorary doctorate from the Polytechnic University of Bucharest. He is the holder of Nourbakhshian Endowed Chair Professorship at the University of Kashan, Iran, and Otto Monsted Professorship at the Technical University of Denmark. He is a Research Professor at King Abdulaziz University (Saudi Arabia), Sharif University of Technology, Tabriz University, and Tehran University (Iran), as well as several universities in China including Tsinghua University, Hohai University, Nanjing Normal University, Xian Jiaotong University, South China University of Technology, Chongqing University, Southeast University, North China Electric Power University, Zhejiang University, and Hunan University.

Dr. Shahidehpour was the recipient of the IEEE PES Ramakumar Family Renewable Energy Excellence Award, IEEE PES Douglas M. Staszkesky Distribution Automation Award, IEEE PES Outstanding Power Engineering Educator Award, IEEE PES T. Burke Hayes Faculty Recognition Award for his contributions to hydrokinetics, IEEE PES Outstanding Engineer Award, Edison Electric Institute's Power Engineering Educator Award, C. Holmes MacDonald Outstanding Young Electrical Engineering Professor Award, Romanian Association of Engineers' Outstanding Author Award, Illinois Technology Association's Technologist of the Year Award, Sigma Xi Society's Outstanding Senior Faculty Research Award, Electrical Engineering Department Head Association's Innovative Program Award, and IIT's Research Leadership and Excellence in Teaching Awards.

Dr. Shahidehpour has supervised and worked with over 170 graduate research students and visiting scholars in his Center. He has co-authored 6 books and over 800 papers on electric power system operation and planning and was the recipient of 6 best paper awards for his IEEE publications. He is an IEEE PES Distinguished Lecturer who has made 1000 presentations at technical forums and conferences. He served as the VP of Publications for the IEEE Power and Energy Society, Editor of IEEE Transactions on Power Systems, and the founding Editor-in-Chief of the IEEE Transactions on Smart Grid. Dr. Shahidehpour served in 1999-2000 as the National President of HKN (Electrical Engineering Honor Society) and was a member of the HKN Board of Directors for 8 years.