International honor for Mitra

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Electrical Engineer Joydeep Mitra to receive international award for contributions to power system reliability

Joydeep Mitra of Michigan State University will receive the 2019 Institute of Electrical and Electronics Engineers (IEEE) Power & Energy Society Roy Billinton Power System Reliability Award in August in Atlanta. The international award is presented annually to recognize an outstanding individual for their contributions to reliability of electric power systems. IEEE is the world's largest professional organization for the advancement of technology.

Mitra is an associate professor of electrical engineering and director of the MSU Energy Reliability & Security (ERiSe) Laboratory. He is also a senior faculty associate at the Institute of Public Utilities.

Mitra conducts research in power system modeling, analysis, stability, control, planning and simulation. He has more than 200 publications and patents in the power systems area. He is co-author of the book, "Electric Power Grid Reliability Evaluation: Models and Methods," and of IEEE Standard 762, a standard on reliability reporting.

In January 2019, he was elected Fellow of the IEEE for his contributions to the development of power system reliability methods. He serves as an editor for the IEEE Transactions on Power Systems and Power Engineering Letters and for the IEEE Transactions on Industry Applications. In the past, he has served as chair of the IEEE-PES Analytic Methods for Power Systems Committee, chair of several IEEE-PES subcommittees, and as an editor for the IEEE Transactions on Smart Grid.

He received a doctoral degree in electrical engineering from Texas A&M University and a bachelor's degree with honors in electrical engineering from Indian Institute of Technology, Kharagpur.

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