



# Manas Kumar Jena

Ph.D. IIT Delhi

Assistant Professor, Electrical Engineering

mkj@iitpkd.ac.in, 9911058543

<https://iitpkd.ac.in/people/mkj>

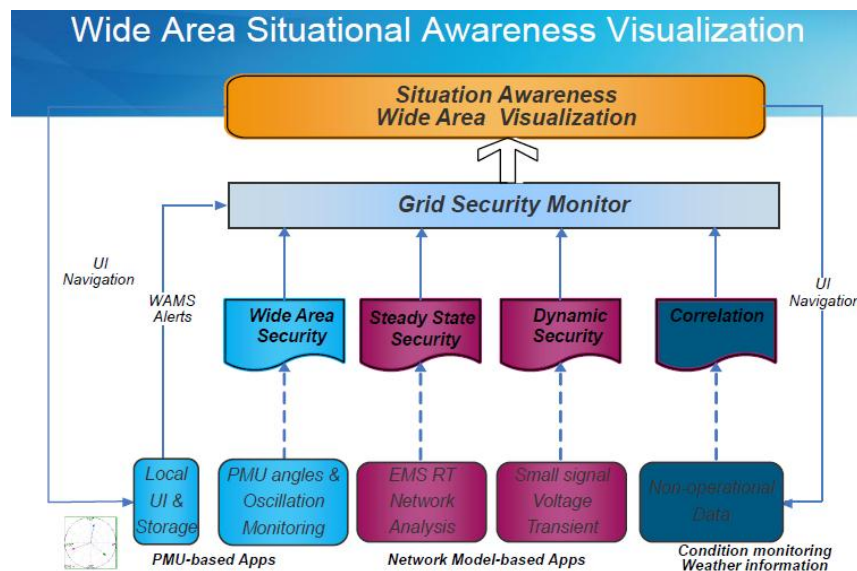


## Research Interests

- Power System Protection
- Power System Stability and Dynamics
- Wide Area Monitoring System(WAMS) and its Application
- Application of Digital Signal Processing/AI/ML in Power System

## Brief Summary of Research

Manas has published 24 research papers in referred International Journals and Conferences. His field of specialization is power systems. He is especially interested in power system protection, power system stability and dynamics, development of WAMS based software solution for the control room and signal processing techniques in power systems. He is the recipient of Indian National Academy of Engineers (INAE) Innovative Student Projects Award 2018- Doctoral Level, POSOCO Power System Award (PPSA)-2019 and GE-Impact Award-2019 for the development and delivery of *PhasorAnalytics* Software Solution to ONS-Brazil.



## Recent Publications (<https://scholar.google.co.in/citations?user=K6aK52kAAAAJ&hl=en>)

- **M. K. Jena**, S. R. Samantaray and B. K. Panigrahi, "A New Adaptive Dependability-Security Approach to Enhance Wide Area Back-Up Protection of Transmission System," *IEEE Transactions on Smart Grid*, vol. 9, no. 6, pp. 6378-6386, Nov. 2018.
- **M. K. Jena**, B. K. Panigrahi and S. R. Samantaray, "A New Approach to Power System Disturbance Assessment Using Wide-Area Postdisturbance Records," *IEEE Transactions on Industrial Informatics*, vol. 14, no. 3, pp. 1253-1261, March 2018.