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Keynote Address – III
4th Generation Power System

By
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Biography



Dr. Subir Sen currently working as Chief Operating Officer, CTU – Planning & Smart Grid activities in Power Grid Corporation of India Ltd. Dr. Sen has more than 29 years of professional experience in the field of Power System planning, system studies & analysis, open access, technology integration, construction, operation of transmission system, renewable integration, smart grid, renewable energy management Centre and energy efficiency.

Involved in development of one-nation-one grid-one bulk market, National Grid comprising 400kV/765kV/1200kV and HVDC technology, GIS, FACTS devices and Green Energy Corridors. Synchrophasor technology for Real time Dynamic state measurement, deployment of Smart Grid integrated with intelligent devices, monitoring, IT & communication technology, energy storage system, electric vehicle charging infrastructure, energy audit, implementation of energy conservation measures etc. Steered establishment of full fledged Smart Grid Knowledge Centre, Manesar for capacity building.

Published more than 90 technical papers in various international and national journals/conferences. Guided research students and Co-authored two books titled “Renewable Energy Technology” and “Next Generation Unit commitment problems”. Applied 4 patents in Smart Grid area. He also served as adjunct faculty IIT, Kanpur.