Introduction to the Symposium on Electric Power Systems: Reliability, Control, and Markets

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The past several years have seen marked changes in the institutional structures of the electric power industry in many countries including the USA. Often the objective is to introduce more competition and to increase private sector ownership of the electric supply industry. This symposium will explore the effects and impacts of institutional change either proposed or in place. It is especially aimed at exploring new tools and analysis methodology, that is, the technical underpinnings needed to transition the system from the old to the new. Papers related to the affected elements of restructuring of an electric power industry on topics such as power system monitoring and control, communication systems and data integration, agent-based simulations, market design, advanced real-time measurements, and incentive mechanisms for new investments will be presented.