

Department Wise Faculty Information Form

Department Name: Electrical Engineering

Faculty Name Dr. Bani Kanta Talukdar

Designation Associate Professor

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Educational Qualification & Experience

1. B.E (Electrical Engineering) - 1986, Gauhati University- 1st Class
2. M.Sc. (Electrical Engineering) – 1994, University of Saskatchewan - 1st Class
4. Ph. D. – (Electrical Engineering) –IIT Kharagpur - 2008

Experience:

- Working as Assistant Engineer in ASEB during 1987-'89
- Working as a faculty member in Electrical Engineering since, 1989.

Research Interest

1. Power System Deregulation
2. Power System Protection
- 3.

Recent Publications

- **B.K. Talukdar, A.K. Sinha, S. Mukhopadhyay and A. Bose**, Transmission Charges and Congestion Management in the Pool Model of Deregulated Power Systems, Communicated for publication in IEEE Transactions in Power Systems.
- **B.K.Talukdar, A.K. Sinha, S. Mukhopadhyay and A. Bose**, A computationally Simple Method for Cost Efficient Generation Rescheduling and Load Shedding for Congestion Management, International Journal of Electrical Power & Energy Systems. Vol-27 (2005), pp: 379-388
- **A.K. Sinha, B. K. Talukdar, S. Mukhopadhyay, and A. Bose**, Transmission Cost as a Congestion Management Tool in Pool Dispatch for Deregulated Power Systems, International Conference on Power Systems, ICPS2004, Kathmandu, Nepal, pp 384-389. Volume – II.

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- *A.K. Sinha, B. K. Talukdar, S. Mukhopadhyay, and A. Bose*, Pool Dispatch Strategies and Congestion Management in Deregulated Power Systems, International Conference on Power System Technology, POWERCON 2004, Singapore, 21-24 November 2004.
 - *B. K. Talukdar, A.K. Sinha, S. Mukhopadhyay*, " Strategies for Pool Dispatch and Congestion Management in Deregulated Power Systems", Proceedings of the National Systems Conference, NSC-2003, IIT Kharagpur, India, Dec 2003
 - *B. K. Talukdar, S. Mukhopadhyay, A.K. Sinha*, " Multilateral Trading and Congestion Management in Deregulated Power Systems", Proceedings of the National Power System Conference, NPSC-2002, IIT Kharagpur, India, pp 178-182, Dec 2002
 - *B. K. Talukdar, A.K. Sinha, S. Mukhopadhyay*, " Power System Deregulation: Brief Overview of Market Models and Congestion Management", Proceedings of the International Conference on Energy, Automation, and Information Technology, EAIT-2001, IIT Kharagpur, India, pp 311-316, Dec 2001
 - *M.S. Sachdev, T.S. Sidhu, B.K. Talukdar*, " Topology Detection for Adaptive Protection of Distribution Networks", Proceedings of International Conference on Energy Management and Power Delivery, EMPD '95, Vol 1, pp 445-450, Nov 1995.
 - *M.S. Sachdev, T.S. Sidhu, B.K. Talukdar, B. Chattopadhyay*, "Design and Implementation of an Adaptive Protection System for a Distribution Network", Proceedings, International Conference on New Development in Power System Protection & Local Control (DPSP&C), Beijing, China, pp 258-262, May 1994.
 - *M.S. Sachdev, B.K. Talukdar, T.S. Sidhu*, "Ground Relay Coordination for Adaptive Protection of a Distribution Network", Proceedings, Third International Symposium on Electricity Distribution and Energy Management (ISEDEM '93), Singapore, pp 100-105, Oct 1993,