

**CONFERENCE ANNOUNCEMENT:
NEW DEADLINES FOR PAPER SUBMISSIONS**

**Electricity Transmission in Deregulated Markets:
Challenges, Opportunities and Necessary R&D Agenda**

Location:	Carnegie-Mellon University, Pittsburgh, PA
Date:	December 15-16, 2004
Conference Co-organizers:	Marija Ilic and Lester Lave, Carnegie Mellon University; and Paul Kleindorfer, University of Pennsylvania
Advisory Committee:	Felix Wu, Hong Kong University and University of California, Berkeley; Ernie Moniz, M.I.T.; Michael Golay, M.I.T.

Conference Objectives

This conference focuses on the current problems in and possible solutions for getting electricity from generators to customers. Restructuring the electricity industry has made transmission no one's problem – and thus everyone's problem. We examine issues associated with ownership and control of transmission, managing current congestion, eliciting sufficient investment in system upgrades, introducing new technology, and prioritizing and paying for needed R&D. We will hear from leaders in industry, government, and academia from engineering, economics, and regulatory policy communities. The presentations and discussions will aim at providing practical ideas that can be implemented immediately, recognizing that a multi-disciplinary approach is needed to make progress in handling transmission problems so critical to the success of our economy.

During the conference we will:

- Lay out the transmission problems for the 21st century, including protecting the system from terrorists, increasing reliability, obtaining renewable power from remote locations, managing distributed generation, and the meeting the challenges of restructuring.
- Survey theoretical approaches to the problems and identify difficult unsolved aspects of these problems;
- Outline current industry practices and the need for changes;
- Share various novel approaches to posing, analyzing, and solving multi-disciplinary problems facing this industry;
- Examine economic and financial opportunities and barriers to change;
- Stress the role of information/software in supporting the evolution of working industry architectures toward provable enhanced industry performance;
- Revisit monitoring, analysis, and control methods in light of the changing industry;
- Draft a white paper based on the conference findings, outlining a roadmap for multi-disciplinary R&D and supporting multi-disciplinary education programs.

The conference will be practical in presenting ideas that can be implemented immediately, as well as in specifying an R&D agenda to solve problems beyond the state of current knowledge.

Conference proceedings will be prepared following the meeting, and distributed broadly.

CONFERENCE TIMELINE (UPDATED):

Sep. 30, 2004	Abstracts due (We encourage survey papers and special sessions with multi-disciplinary teams)
Oct. 15, 2004	Invitations for submitting full papers.
Nov. 15, 2004	Full papers due
Dec. 1, 2004	Paper reviews due, final list of accepted contributions.
TBA	Revised papers due in electronic form
TBA	Conference papers available on website
Dec. 15-16, 2004	Conference

CONFERENCE VENUE: Carnegie-Mellon University, Pittsburgh, PA

REGISTRATION FEE: TBD (depending on conference sponsors)

CONFERENCE SPONSORS: TBD

For further information or to send your abstract , please contact cbauerle@ece.cmu.edu or (412) 268-7422 to reach conference organizers.