

**IEEE POWER ENGINEERING SOCIETY
ENERGY DEVELOPMENT AND POWER GENERATION COMMITTEE**

**PANEL SESSION: EUROPE: TRANSMISSION SYSTEM DEVELOPMENTS,
INTERCONNECTIONS, ELECTRICITY EXCHANGES, DEREGULATION, AND
IMPLEMENTING TECHNOLOGY IN POWER GENERATION WITH RESPECT TO
THE KYOTO PROTOCOL**

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Track 1: Active Load Participation and Its Impact on Markets

Track 2: Environmental Dimensions

The panel will review transmission system developments, interconnections, electricity exchanges, deregulation, and implementing technology in power generation in Europe with respect to the Kyoto Protocol. The survey includes the adjacent countries and regions. A special view is given on the progress made in the integration of renewable energies into the production and transmission system.

The Session will examine current developments like findings and consequences of the Italian blackout in August 2003.

Presenters and Titles of their Presentations are:

1. W. Leonhard and M. Grobe, Technical University Braunschweig, Germany: Sustainable Electrical Energy Supply with Wind and Pumped Storage—A Realistic Long-Term Strategy or Utopia?
2. J. Feist, CEPS, Czech Republic: Interconnection of Bulgaria, Romania and Western Ukraine to UCTE.
3. B. Cova, CESI, Italy: Progress of the Mediterranean Ring and the Interconnection with Europe
4. L. Salvaderi, Consultant, Rome, Italy: The Italian Power System: Recent Evolution
5. Y. Kucherov, Head of Department of R&D Policy and International Cooperation, Federal Grid Company of the UES (FGC), Russia, and L. A. Koscheev, Deputy Director General, NIIPT, Russia: Technical Rules and Standards Harmonization is an Indispensable Demand for Organization of a UCTE, NORDEL and IPS/UPS Synchronous Operation.