



Call for papers

Transient Phenomena in Large Electric Power Systems

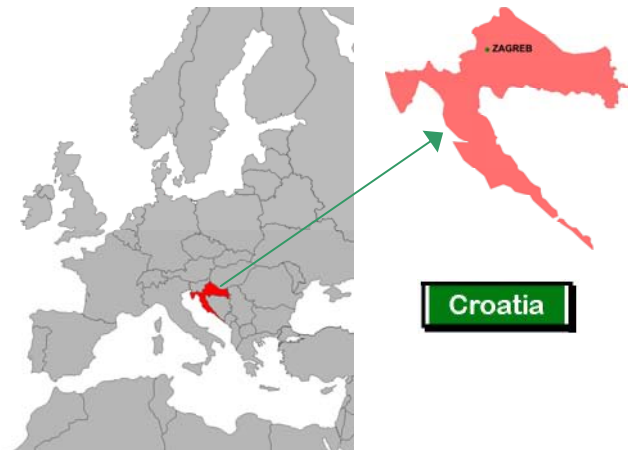
SYMPOSIUM

Zagreb, Croatia, April 18-21, 2007

CIGRE, in cooperation with the Croatian National Committee and Study Committees C4 (System Technical Performance), A1 (Rotating Electrical Machines), A2 (Transformers), A3 (High Voltage Equipment) and C1 (System Development and Economics) is organizing an International Symposium on “**Transient Phenomena in Large Electric Power Systems**”

ZAGREB

Zagreb is the capital and the most significant business, industrial, scientific and cultural center of the Republic of Croatia and much wider region. It has the oldest University in region, the oldest Sciences and Arts Academy, the longest tradition in trade fairs. Not only palaces, museums, galleries, parks, pubs and fine hotels make Zagreb the ideal host this CIGRE Symposium, but Croatia was in October 2004 the focal point in the process of reconnection of the European synchronous grid, resulting in the largest synchronous system in the world.



Croatia

BACKGROUND and SCOPE

Electric power systems are subjected to a wide range of transient disturbances, which impact its overall performance. It is a challenge to build and operate power systems so that the safety of individual equipment, the security of the integrated power system and the quality of power supply are not unduly compromised.

The general purpose of the Symposium is to provide a forum for discussing the nature of transient phenomena in present-day electric power systems and how these systems need to be designed to ensure a secure and robust service.

PARTICIPANTS

The Symposium is directed towards utilities, equipment manufacturers, design engineers, system operators, traders, regulators as well as universities, testing laboratories and research institutes. It should also be of interest to other organizations in the Electricity Industry.

PROGRAMME

The Symposium will be held over three days, organized in half-day sessions during which authors will individually present their papers and then participate as a group in a panel discussion.

In addition, one-day tutorials will be organized on two or more of following topics, presented by renowned experts:

- “Electromagnetic Transients in Power Systems”
- “Power System Stability Problems in Large Interconnected Power Systems”
- “Methods and Tools for the Study of Voltage Dips”
- “Lightning Phenomena, Parameters and Impacts on Large Power Systems”

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MAIN TOPICS

1. Insulation coordination aspects, including temporary, resonance and transient overvoltages in shunt/series compensated OH-lines, shunt compensated cables, mixed OH-line-cable sections, HVDC-converter-stations, interconnection lines and as anticipated for half-wave-length lines.
2. Transient current and TRV aspects due to long distance transmission.
3. EMC problems caused by power system transients and mitigation techniques.
4. Power quality issues as impacted by power system transients.
5. Transient behaviour of power systems leading to blackouts: recent experiences and mitigation techniques.
6. System security management with regards to lightning.
7. Experience and management of transients during operation when radio base stations are located on transmission line towers.

LANGUAGES

The papers must be written in English.

SUBMISSION OF PAPERS

Participants wishing to present written contributions are invited to submit their abstract IN ENGLISH (500 words) to the Central Office of CIGRE before **15th June 2006**

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Each abstract must indicate the topic(s) that will be addressed (1 to 7 above). The name, title, company affiliation, e-mail and full address of the author(s) should also be given.

TECHNICAL COMMITTEE

Programme and Selection of Papers

Prabha Kundur	SC C4 Chairman/ Chair
Ivica Toljan	HR NC Chairman/Co-Chair
Carlo Alberto Nucci	SC C4 Next Chairman
Ante Sekso	SC C4 HR Member
Colin Ray	SC C1 Chairman
Mladen Zeljko	SC C1 HR Member
Reinhard Joho	SC A1 Secretary
Zlatko Maljkovic	SC A1 HR Member
Milan. Saravolac	SC A2 Member
Nikola Jaman	HR SC A2 Member
A.L. Janssen	SC A3 Member
Kresimir Mestrovic	SC A3 HR Member

In cooperation with :

Josip Moser	HR NC Secretary
Jean Kowal	CIGRE Secretary General
Pierre Pramayon	SC C4 Secretary

DEADLINES

Authors are kindly requested to take note of the following deadlines:

Receipt of abstracts:	15th June 2006
Notification of acceptance:	30th September 2006
Receipt of full papers:	15th January 2007

PUBLICATION OF PAPERS

The papers will be published in the form of a CD to be forwarded before the Symposium to all registered participants. The CD will also be available for purchase from the CIGRE Central Office, after the Symposium. A Report on the Symposium will be drafted after the Symposium by the Technical Committee. It will be published in ELECTRA and on the CIGRE website.

REGISTRATIONS

Registration forms and the detailed program of the Symposium will be sent out after October 2006.

Further information on the Symposium can be found on www.cigre.org and www.ho-cigre.hr.