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## Conference Venue

Parliament Palace - International Conference Centre  
2-4, Izvor Street  
Bucharest, Romania

## Web Site of the Conference

Keep up to date on the conference by visiting Bucharest PowerTech'2009 home page at:  
<http://ewh.ieee.org/conf/powertech/2009>

## Bucharest PowerTech'2009 "Innovative Ideas toward the Electrical Grids of the Future"



**Bucharest, ROMANIA**  
**28 June - 2 July, 2009**

## CALL FOR PAPERS

**Sponsored by:**  
IEEE Power & Energy Society

**Organized by:**  
University "Politehnica" of Bucharest - UPB  
National Power Grid Company  
"Transelectrica" S.A.  
IEEE PES Romania Chapter

## Invitation

On behalf of the International Steering Committee and the Local Organizing Committee we invite you to attend the IEEE BPT'2009. The Bucharest PowerTech Conference continues the tradition of the Power Tech Conferences held in odd years in Athens, Stockholm, Budapest, Porto, Bologna, St. Petersburg and Lausanne.

PowerTech is the anchor conference of the IEEE Power & Energy Society in Europe. It is intended to provide a forum for scientists and engineers interested in electric power engineering to share ideas, results of their scientific work, to learn from each other as well as to establish new friendships and rekindle existing ones.

The PowerTech Conference provides a bridge between generations. The interest from enthusiastic young practicing engineers and PhD students wishing to publish their work increased from event to event. The most valuable IEEE student work is acknowledged with the *Basil Papadias* award, which has been also an important ingredient toward the success of the conference.

The event is sponsored by the IEEE Power & Energy Society and will be organized by University "Politehnica" of Bucharest, National Power Grid Company "Transelectrica" S.A. and IEEE PES Romania Chapter, with main venue at University "Politehnica" of Bucharest.

## To the authors

The authors are invited to submit electronically the extended abstracts (3 pages with main figures and references) in *pdf* format (*doc* is also accepted) until October 6, 2008, by using the PowerTech'2009 website. Instructions and full information on the conference will be posted on the conference website.

Each accepted paper must be presented at the conference and the final manuscript must be accompanied by paid registration.

## Important dates

October 31th, 2008	- Deadline for extended abstracts submission
December 1st, 2008	- Notification of acceptance of the extended abstracts
March 2nd, 2009	- Deadline for full papers submission
April 6th, 2009	- Final acceptance of full papers
June 28th - July 2nd, 2009	- Conference

## Preferred topics

The Conference welcomes papers on the following main topics:

- ✍ Restructuring of the electricity industry and transnational networks
- ✍ Planning and operation of power systems under market conditions
- ✍ System services in deregulated markets
- ✍ Renewable energy sources and storage devices
- ✍ Integration of distributed generation in the main grids
- ✍ Demand side management
- ✍ Energy efficiency
- ✍ Power system dynamics, stability and control
- ✍ Cascading emergencies and blackouts: preventive and corrective actions
- ✍ Electromagnetic compatibility/Power quality
- ✍ Lightning and electromagnetic transients
- ✍ Diagnostics and reliability
- ✍ Power system insulation
- ✍ Power system protection
- ✍ Power electronics, including FACTS and HVDC
- ✍ Power system instrumentation, measurements and automation
- ✍ Power system communication
- ✍ Wide area monitoring and control systems
- ✍ Artificial intelligence techniques in power systems
- ✍ Developing the concept of "smart grids"

## Awards and Publications

In the honour of the PowerTech Conference founder, the *Basil Papadias* award will be presented to the best student paper.

All papers presented will be published in the CD proceedings and will become available after the Conference through IEEE*Xplore*. High quality papers will be selected for publication in the IEEE PES Transactions.

## Exhibitions

For exhibitions and demonstrations by vendors of electrical equipment and software, please contact the Conference Chair.

## Language

English for both presentation and written documents.

## About Bucharest

**Bucharest** is the capital city and industrial and commercial centre of Romania. It is located in the southeast of the country and lies on the banks of the Dâmbovitza River.

It is laden with historical charm from the streets of the Old City Center, to the grand architecture of the Royal Palace and the lush green of Cismigiu Park. In the period between the two World Wars, the city's elegant architecture and the sophistication of its elite earned Bucharest the nickname "Paris of the East" or "Little Paris".



The city also claims a large number of museums, art galleries, exquisite Orthodox churches and unique architectural sites and hosts the Parliament House, the second largest administrative building in the world.



## Technical and tourist tours

The tourist tours includes trips to magnificent locations such as Delta of Danube, Peleş Castle, Bran Castle and monasteries.

The **Peles Castle** is one of the most important museums, which combines various architectural styles, notably elements of the German and gothic Renaissance. It represents invaluable collections of art and furniture.



**Bran Castle** is a spectacular, medieval fortress, including a tentative connection with Vlad the Impaler, the origin of Dracula.



The **Danube Delta**, a buffering interface between the Danube river catchments Western Black Sea, is a unique place not only in Europe, but also among other deltaic ecosystems due to its high biodiversity, to its renewable natural resources and to its beautiful scenery.

The technical tours include visits at the National Dispatching Centre and Cernavoda Nuclear Power Plant.

For updated information please visit the conference website at <http://ewh.ieee.org/conf/powertech/2009>