Conference Chairman:

Petr Toman, Brno University of Technology, CZ

International Scientific Committee:

Vassilios AGELIDIS, The University of New South Wales, AU Anahit BALABEKYAN, Yerevan State University, ARM Julio BARROS, University of Cantabria, E Petr BAXANT, Brno University of Technology, CZ Anton BELÁŇ, Slovak University of Technology in Bratislava, SK Nikolay DJAGAROV, Technical University of Varna, BG Jiří DRÁPELA, Brno University of Technology, CZ Ivo DOLEŽEL, Czech Technical University in Prague, CZ Žaneta ELESCHOVÁ, Slovak University of Technology in Bratislava, SK Viktor ELISTRATOV, Saint Petersburg State Polytechnical University, RU Lothar FICKERT, Graz University of Technology, A Radomír GOŇO, VŠB - Technical University of Ostrava, CZ Zdeněk HRADÍLEK, VŠB - Technical University of Ostrava, CZ František JANÍČEK, Slovak University of Technology in Bratislava, SK Jaan JÄRVIK, Tallinn University of Technology, EST Mikhail KADYKOV, JINR Dubna, RU Michal KOLCUN, Technical University of Košice, SK Petr KREJČÍ, VŠB - Technical University of Ostrava, CZ Vinod KUMAR, G.G.S.Indraprastha University, IND Jan KYNCL, Czech Technical University in Prague, CZ Roberto LANGELLA, Second University of Naples, IT Matti LEHTONEN, Aalto University of Technology, FI Petr MASTNÝ, Brno University of Technology, CZ György MORVA, University of Budapest, H Anna MUTULE, Institute of Physical Energetics, LV Karel NOHÁČ, University of West Bohemia, CZ Jaroslava ORSÁGOVÁ, Brno University of Technology, CZ Alena OTČENÁŠOVÁ, University of Žilina, SK Miles A REDFERN, University of Bath, UK Eugeniusz ROSOLOWSKI, Wroclaw University of Technology, PL Stanislav RUSEK, VŠB - Technical University of Ostrava, CZ Carlos H. SALZMAN, University of Buenos Aires, AR Jon SAMSETH, Norwegian University of Science and Technology, NO Pavel SANTARIUS, VŠB – Technical University of Ostrava, CZ Hector Leopoldo SOIBELZON, Univerzity of Buenos Aires, AR Karel SOKANSKÝ, VŠB – Technical University of Ostrava, CZ Viktor STAROVOYTENKOV, Petersburg Power Engineering Institute, RU Jerzy SZKUTNIK, Częstochowa University of Technology, PL Josef TLUSTÝ, Czech Technical University in Prague, CZ Hamid A. TOLIYAT, Texas A&M University, USA Thierry VAN CUTSEM, University of Liege, BE Zdeněk VOSTRACKÝ, University of West Bohemia, CZ Kazimierz WILKOSZ, Wrocław University of Technology, PL

Organizing Committee:

Chairman: Petr Mastný, Brno University of Technology, CZ Members: Petr Baxant, Brno University of Technology, CZ Jiří Drápela, Brno University of Technology, CZ Jitka langerová, Brno University of Technology, CZ Jan Macháček, Brno University of Technology, CZ Martin Paar, Brno University of Technology, CZ Jan Škoda, Brno University of Technology, CZ

Brno University of Technology Dept. of Electrical Power Engineering, FEEC Technicka 3058/10 616 00 Brno Czech Republic

Phone: +420 541 149 231, 230, 248, 234

Fax: +420 541 149 246

Email: epe2012@epe-conference.eu

Registration and Information:

www.epe-conference.eu



Brno University of Technology

Faculty of Electrical Engineering and Communication Department of Electrical Power Engineering

Centre for Research and Utilization of Renewable Energy

organize

13th International Scientific Conference



Czechoslovakia section

ELECTRIC POWER ENGINEERING 2012

May 23-25, 2012 **Hotel SANTON** Brno, Czech Republic



Electric Power Engineering 2012 Electric Power Engineering 2012 Electric Power Engineering 201

Conference Objectives:

The International Scientific Conference aims to serve as a forum for an interchange of experience and a presentation of experimental results and results of research, as well as a place of meeting of workers from universities and industry who are devoting research and technical activities.

Conference Topics:

Restructuring of the electricity industry and transnational networks - Planning and operation of power systems under market conditions - System services in deregulated markets -Integration of distributed generation in the main grid – Smart Grids - Power system dynamic, stability and control - Cascading emergencies and blackouts - Electromagnetic compatibility/ Power quality - Lightning and electromagnetic transients -Diagnostics and reliability - Power system protection - Power system insulation - Power electronics - Renewable energy sources and storage devices - Power system instrumentation, measurements and automation.

Official languages:

English, Czech with simultaneous interpreting.

Proceeding and publications:

All accepted and presented papers will be published in the conference proceedings, under an ISBN reference, in both print and CD formats. The proceedings will be indexed by Conference Proceedings Citation Index CPCI on ISI Web of Knowledge. Selected papers will be published in the ENERGYSPECTRUM journal (ISSN 1214-7044) and top ranked papers will be invited to publish in the Acta Technica journal (ISSN 0001-7043, indexed by SCOPUS).

Social programme:

Welcome party - Social evening.

Important dates - Deadlines:

Abstract submission Full paper submission Conference opening

January 30, 2012 March 19, 2012 May 23, 2012

Further important dates will be available on conference website www.epe-conference.eu.

Electric Power Engineering 2012 Electric Power Engineering 201