Paper 7: Power System Monitoring, Operation and Control

Date: Monday, 15:30 – 17:15

2014ISGTEU0602
Estimation of Load Model Parameters from PMU Measurements
Pawel Regulski (University of Manchester, UK), Peter Wall (University of Manchester, UK), Zina Rusidovic (University of Manchester, UK), Vladimir Terzija (University of Manchester, UK)

2014ISGTEU0564
Reserve Quantification in Insular Power Systems with High Wind Penetration
Andreas Ntomaris (Aristotle University of Thessaloniki, Greece), Emmanouil Bakirtzis (Aristotle University of Thessaloniki, Greece), Dimitris Chatziyiannis (Aristotle University of Thessaloniki, Greece), Christos Simoglou (Aristotle University of Thessaloniki, Greece), Pantelis Biskas (Aristotle University of Thessaloniki, Greece), Anastasios Bakirtzis (Aristotle University of Thessaloniki, Greece)

2014ISGTEU0552
Analysis of a Centralized Control Strategy in Mitigating Inter-Area Power Oscillations
Otso Mäki (Aalto University, Finland), Janne Seppänen (Fingrid, Finland), Liisa Haarla (Aalto University, Finland), Kai Zenger (Aalto University, Finland), Jukka Turunen (Statnett, Norway), Antti-Juhani Nikkilä (Fingrid, Finland)

2014ISGTEU0562
Grid-Constrained Optimal Predictive Power Dispatch in Large Multi-Level Power Systems with Renewable Energy Sources, and Storage Devices
Philipp Fortenbacher (ETH Zurich, Switzerland), Andreas Ulbig (ETH Zurich, Switzerland), Stephan Koch (ETH Zurich, Switzerland), Göran Andersson (ETH Zurich, Switzerland)

2014ISGTEU0341
Use of Air Chamber in Gas-Turbine Units for Frequency Control and Energy Storage in a System with High Wind Penetration
Ioannis Kandiloros (National Technical University of Athens, Greece), Costas Vournas (National Technical University of Athens, Greece)

2014ISGTEU0485
Real Time Simulation of a Robust LQG based Wide Area Damping Controller in Power System
Mahendra Bhadu (Indian Institute of Technology Delhi, India), Nilanjan Senroy (Indian Institute of Technology Delhi, India)

2014ISGTEU0331
Online Optimal Control of Reactive Power Sources Using Measurement-Based Approach
Van Hoan Pham (University of Duisburg-Essen, Germany), István Erlich (University of Duisburg-Essen, Germany)