Poster Session B

Date: Tuesday, 13:00 – 14:30
Venue: SDKM, ITU
Chair: Ahmet Cansız

2014ISGTEU0349
**A Multi-Agent Model for Assessing Electricity Tariffs**
Ioana Pisica (Brunel University, UK), Colin Axon (Brunel University, UK), Peter Hobson (Brunel University, UK), Gareth Taylor (Brunel University, UK), David Wallom (University of Oxford, UK)

2014ISGTEU0422
**Design Aspects of a Medium Voltage Hybrid DC Breaker**
Jesper Magnusson (KTH Stockholm, Sweden), Ara Bissal (KTH Stockholm, Sweden), Göran Engdahl (KTH Stockholm, Sweden), Juan A. Martinez Velasco (Universitat Politècnica de Catalunya, Spain)

2014ISGTEU0427
**Challenges & Opportunities towards Smart Grid in Turkey; Distribution System Operator Perspective-Final**
Tugrul Atasoy (Baskent Electricity Distribution, Turkey), Hülya Erdener Akinç (Baskent Electricity Distribution, Turkey), Erdeniz Erol (Baskent Electricity Distribution, Turkey), Özden Erçin (Baskent Electricity Distribution, Turkey), Ozan Güreç (Baskent Electricity Distribution, Turkey), Okan Benli (Baskent Electricity Distribution, Turkey)

2014ISGTEU0431
**A Power Grid Enterprise Control Method for Energy Storage System Integration**
Aramazd Muzhikyan (Masdar Institute of Science and Technology, UAE), Amro Farid (Masdar Institute of Science and Technology, UAE), Kamal Youcef-Toumi (Massachusetts Institute of Technology, USA)

2014ISGTEU0432
**Influence of Supply Security Requirements on Underground Cabling Rates in Finland**
Juha Haakana (Lappeenranta University of Technology, Finland), Jukka Lassila (Lappeenranta University of Technology, Finland), Tero Kaipia (Lappeenranta University of Technology, Finland), Jarmo Partanen (Lappeenranta University of Technology, Finland)

2014ISGTEU0433
**A Design-Driven Approach for Developing New Product for Smart Grid Households**
Uchechi Obinna (Delft University of Technology, Netherlands), Angele Reinders (Delft University of Technology, Netherlands), Peter Joore (Delft University of Technology, Netherlands), Linda Wauben (Delft University of Technology, Netherlands)

2014ISGTEU0435
**Managing Energy in Time and Space in Smart Grids Using TRIANA**
Gerwin Hoogsteen (University of Twente, Netherlands), Albert Molderink (University of Twente, Netherlands), Johann L. Hurink (University of Twente, Netherlands), Gerard J. M. Smit (University of Twente, Netherlands)
Developing Situation Awareness in Major Disturbances of Electricity Supply
Heidi Krohns-Välimäki (Tampere University of Technology, Finland), Hanna Aalto (Tampere University of Technology, Finland), Kaisa Pylkänäen (Tampere University of Technology, Finland), Janne Strandén (Tampere University of Technology, Finland), Pekka Verho (Tampere University of Technology, Finland), Janne Sarsama (Technical Research Centre of Finland, Finland)

Bad Data Processing When Using the Coupled Measurement Model and Takahashi’s Sparse Inverse Method
Ali Abur (Northeastern University, USA), Bülent Bilir (Northeastern University, USA)

Distributed Model Predictive Control for Active Power Control of Wind Farm
Haoran Zhao (Technical University of Denmark, Denmark), Qiuwei Wu (Technical University of Denmark, Denmark), Claus Nyaar Rasmussen (Technical University of Denmark, Denmark), Qinglai Guo (Tsinghua University, China), Hongbin Sun (Tsinghua University, China)

Investigation of Load-Frequency-Control With Increasing Penetration of Converter-Based Generators
Theresa Noll (TU Dortmund University, Germany), Dominik Hilbrich (TU Dortmund University, Germany), Ulf Häger (TU Dortmund University, Germany), Marco Greve (TU Dortmund University, Germany), Johannes Schwippe (TU Dortmund University, Germany), Christian Rehtanz (TU Dortmund University, Germany)

A Novel Approach for Distributed Renewable Generation and Shunt Capacitor Placing in Smart-Grid
Okan Ozgonenel (Ondokuz Mayis University, Turkey), Serap Karagol (Ondokuz Mayis University, Turkey), Umit Kemalettin Terzi (Marmara University, Turkey)

Local Control of Fully Inverter Based Micro Grids in Islanding Operation Mode Considering Generation Disturbances in RES
Hamed Maleki (Shahid Beheshty University, Iran), Vahid Asgharian (Istanbul Technical University, Turkey), Mojtaba Khederzadeh (Shahid Beheshty University, Iran)

A New Reward-Penalty Mechanism for Distribution Companies Based on Concept of Competition
Mohammad Jooshaki (Sharif University of Technology, Iran), Ali Abbaspour (Sharif University of Technology, Iran), Mahmud Fotuhi-Firuzabad (Sharif University of Technology, Iran), Moein Moeini-Aghtaie (Sharif University of Technology, Iran), Aydogan Ozdemir (Istanbul Technical University, Turkey)

Voltage Support Control of Unbalanced Distribution Systems by Reactive Power Regulation
Vito Calderaro (University of Salerno, Italy), Vincenzo Galdi (University of Salerno, Italy), Giorgio Graditi (ENEA, Italy), Francesco Lamberti (University of Salerno, Italy), Antonio Piccolo (University of Salerno, Italy)
Battery Energy Storage System Size Optimization in Microgrid using Particle Swarm Optimization
Thongchart Kerdphol (Kyushu Institute of Technology, Japan), Yaser Qudaih (Kyushu Institute of Technology, Japan), Yasunori Mitani (Kyushu Institute of Technology, Japan)

Advanced Energy Storage and Demand-Side Management in Smart Grids using Buildings Energy Efficiency Technologies
Dimitrios Tsiamitros (TEI of West Macedonia, Greece), Dimitrios Stimoniaris (TEI of West Macedonia, Greece), Nikolaos Poulakis (TEI of West Macedonia, Greece), M. Alparslan Zehir (Istanbul Technical University, Turkey), Alp Batman (Istanbul Technical University, Turkey), Mustafa Bagriyanik (Istanbul Technical University, Turkey), Aydogan Ozdemir (Istanbul Technical University, Turkey), Evaggelos Dialynas (National Technical University of Athens, Greece)

Coarse-grained Cycle-accurate Electricity Metering
Mikhail Simonov (Istituto Superiore Mario Boella, Italy)

Optimization of an air conditioning unit operation according to renewable energy availability and user's comfort
Ana Cabrera (Technical University of Cataluna, Spain), Cosmin Koch-Ciobotaru (Technical University of Cataluna, Spain), Hassan ul Banna (Technical University of Cataluna, Spain), Siddharta Ghosh (University of Southampton)

Unsynchronized Fault Location Independent on Line Parameters for Transmission Systems
Wagdy Khater (Minoufiya University, Egypt), Nagy Elkalashy (Minoufiya University, Egypt), Tamer Kawady (Minoufiya University, Egypt), Abdel-Maksoud Taalab (Minoufiya University, Egypt), Matti Lehtonen (Aalto University, Finland)

A Novel Load Shedding Strategy for Distribution Systems with Distributed Generations
Haotian Zhang (State Grid Energy Research Institute, China), Chun Sing Lai (State Grid Energy Research Institute, China), Loi Lei Lai (State Grid Energy Research Institute, China)

Electrical Load Clustering: the Italian case
Luca Semeraro (University of Pisa, Italy), Emanuele Crisostomi (University of Pisa, Italy), Alessandro Franco (University of Pisa, Italy), Giuseppe Giunta (eni Spa, Italy), Alberto Landi (University of Pisa, Italy), Marco Raugi (University of Pisa, Italy), Mauro Tucci (University of Pisa, Italy)

Risk Assessment of Smart Energy Transfer in Distribution Networks
Muhammad Buhari (University of Manchester, UK), Kostantinos Kopsidas (University of Manchester, UK), Chomba Tumelo-Chakonta (University of Manchester, UK), Alexandra Kapetanaki (University of Manchester, UK)
2014ISGTEU0549
PSS Tuning Method based on Power System Model Identification using PMU
Pavel Chusovitin (Ural Federal University, Russia), Valery Tashchilin (Ural Federal University, Russia), Grigory Shabalin (Ural Federal University, Russia), Andrey Pazderin (Ural Federal University, Russia)

2014ISGTEU0558
Modeling the Optimal Behavior of PEV Parking Lots in Energy and Reserve Market
Nilufar Neyestani (Univ. Beira Interior, Portugal), Maziar Yazdani Damavandi (Univ. Beira Interior, Portugal), Miodreza Shafie-khah (Univ. Beira Interior, Portugal), Joao Catalao (Univ. Beira Interior, Portugal), Javier Contreras (University of Castilla-La Mancha, Spain)

2014ISGTEU0561
Optimization of Robust Power Oscillation Dampers for DFIG Wind Turbines Considering N-1 Outage Contingencies
Issarachai Ngamroo (King Mongkut's Institute of Technology Ladkrabang, Thailand), Tossaporn Surinkaew (King Mongkut's Institute of Technology Ladkrabang, Thailand)

2014ISGTEU0573
Reactive Power Capability of a Sub-Transmission Grid Using Real-Time Embedded Particle Swarm Optimization
Rengin Cabadag (Dresden University of Technology, Germany), Uwe Schmidt (Dresden University of Technology, Germany), Peter Schegner (Dresden University of Technology, Germany)

2014ISGTEU0577
Evaluation of Enhancements to Thevenin Equivalent Based Methods for Real-Time Voltage Stability Assessment
Angel Perez (Technical University of Denmark, Denmark), Hjörtur Jóhannsson (Technical University of Denmark, Denmark), Jacob Østegaard (Technical University of Denmark, Denmark)

2014ISGTEU0580
MMC Converter Detailed Phasor Model including Second Harmonic
Dragan Jovcic (University of Aberdeen, UK), Aliakbar Jamshidifar (University of Aberdeen, UK)

2014ISGTEU0582
Future Demand for Prospective Providers of Control Reserves
Stefan Kippelt (TU Dortmund University, Germany), Thorsten Schlueter (TU Dortmund University, Germany), Christian Rehtanz (TU Dortmund University, Germany)

2014ISGTEU0586
Impact of Non-Programmable Renewable Sources in Day-Ahead Market in Sicily. Reasons to Make More Flexible and Smarter the National Transmission Grid
Salvatore Favuzza (University of Palermo, Italy), Mariano Giuseppe Ippolito (University of Palermo, Italy), Antonino Madonia (University of Palermo, Italy), Fabio Massaro (University of Palermo, Italy), Enrico Maria Carlini (TERNA S.p.A., Italy), Cristiano Quaciari (TERNA S.p.A., Italy)

2014ISGTEU0592
A Modelling Study of Renewable and Stored Energy Sharing and Pricing Management System Developed for Multi-Apartment Complexes
Vedat Kiray (Turgut Ozal University, Turkey), Taner Topal (Kirikkale University, Turkey), Lutfu Sagbansua (Turgut Ozal University, Turkey), Ismail Atacak (Gazi University, Turkey)
An Integrated Control for Overvoltage Mitigation in the Distribution Network
Mohamed Mansoor Viyathukattuva Mohamed Ali (Eindhoven University of Technology, Netherlands), Phuong Nguyen (Eindhoven University of Technology, Netherlands), Wil Kling (Eindhoven University of Technology, Netherlands)

Unified Hybrid (AC/DC) Distribution Networks Droop-Based Load-Sharing Strategy
Víctor Maryama (CERTI Foundation, Brazil), Vítor Zeni (CERTI Foundation, Brazil), Cesare Pica (CERTI Foundation, Brazil), Marcelo Heldwein (Federal University of Santa Catarina, Brazil), Mário Ortmann (Federal University of Santa Catarina, Brazil)

Local Control of Active and Reactive Power in Inverter Based Micro Grids
Hamed Maleki (Shahid Beheshty University, Iran), Mojtaba Khederzadeh (Shahid Beheshty University, Iran), Vahid Asgharian (Istanbul Technical University, Turkey)

Methodology for Service Restoration in Large-Scale Distribution Systems with Priority Customers
Leandro Marques (University of São Paulo, Brazil), Danilo Sanches (Federal Technological University of Paraná, Brazil), Alexandre Claudio Delbem (University of São Paulo, Brazil), João Bosco London Jr. (University of São Paulo, Brazil)

Development of Network Dimensioning Guidelines for Renewable Island
Priyanka Gugale (Siemens, Germany), Jing Wang (RWTH Aachen University, Germany), Birgit Alt (Siemens, Germany), Holger Müller (Siemens, Germany), Antonello Monti (RWTH Aachen University, Germany)

Parameter Estimation for Low-Order Models of Complex Buildings
Anita Martincevic (University of Zagreb, Croatia), Antonio Starčić (University of Zagreb, Croatia), Mario Vasak (University of Zagreb, Croatia)

Symplectic Numeric Integration for Coarse-grained Event-driven Electricity Metering
Mikhail Simonov (Istituto Superiore Mario Boella, Italy)

A PQ Control Strategy of Voltage-Controlled Inverters
Yang Chen (Shanghai University of Electric Power, China), Jinbin Zhao (Shanghai University of Electric Power, China), Wei Cao (Shanghai University of Electric Power, China), Keqing Qu (Shanghai University of Electric Power, China), Fen Li (Shanghai University of Electric Power, China)

An Adaptive Control Strategy of Converter based DG to Maintain Protection Coordination in Distribution System
Chi Su (Aalborg University, Denmark), Zhou Liu (Aalborg University, Denmark), Zhe Chen (Aalborg University, Denmark), Yanting Hu (Glyndwr University, UK)

Tri-generation and Solar Power for an Efficient and Environmental Friendly Power Generation
Essam Al-Ammar (King Saud University, Saudi Arabia)