
Monday

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Makalu

POSTER PRESENTATION**A5619SA****Advanced Combined Cycle Modeling****Ammari S.** (ALSTOM GRID, France), **Cheung K.W.** (ALSTOM GRID, United States)**A5701JA****Multinodal Load Forecasting Using an ART-ARTMAP-Fuzzy Neural Network and PSO Strategy****Antunes J.F.** (INSTITUTO FEDERAL DE EDUCAÇÃO - IFMT, Brazil), **de Souza Araújo N.V.** (UFMT, Brazil), **Minussi C.R.** (UNESP - UNIVERSIDADE ESTADUAL PAULISTA, Brazil)**A5201BA****A Novel Maximum Power Point Tracking for Photovoltaic Systems****Axelrod B.** (HOLON INSTITUTE OF TECHNOLOGY, Israel), **Berkovich Y.** (HOLON INSTITUTE OF TECHNOLOGY, Israel), **Golan G.** (HOLON INSTITUTE OF TECHNOLOGY, Israel)**A6023FB****Locating and Capacity Determination of Distributed Generations Using NSGA-II Algorithm****Banihashemi F.** (UNIVERSITY OF TEHRAN, Iran), **Lesani H.** (UNIVERSITY OF TEHRAN, Iran), **Salar Makhzani A.** (MULTIMEDIA UNIVERSITY CYBERJAYA, Malaysia)**A5693BB****Regime-based control to reduce power fluctuations from offshore wind power plants****Barahona B.** (TECHNICAL UNIVERSITY OF DENMARK, Denmark), **Cutululis N.A.** (TECHNICAL UNIVERSITY OF DENMARK, Denmark), **Trombe P.-J.** (TECHNICAL UNIVERSITY OF DENMARK, Denmark), **Pinson P.** (TECHNICAL UNIVERSITY OF DENMARK, Denmark)**A5950SB****A Control Method using PI/Fuzzy Controllers Based DFIG in Wind Energy Conversion System****Louarem S.** (UNIVERSITÉ SÉTIF I, Algeria), **Belkhiat S.** (UNIVERSITÉ SÉTIF I, Algeria), **Chouaib Belkhiat D. E.** (UNIVERSITE JOSEPH FOURIER, France)**A5546XC****A Service Restoration Algorithm Based on Subsystem-Switch for Power Grid****Zhang X.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Cheng X.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Zhao D.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Liu Y.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China)**A5955VD****Five forecasting algorithms for energy consumption in Vietnam****Tran V. G.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Debusschère V.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Bacha S.** (G2ELAB - UNIVERSITE JOSEPH FOURIER, France)

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Makalu

POSTER PRESENTATION**A5719ED****Early Prevention of Instability-Use of Self Propagating Graph for the Fast Search for Optimal Grid Nodes to Apply Countermeasures****Dmitrova E.** (TECHNICAL UNIVERSITY OF DENMARK, Denmark), **Jóhannsson H.** (TECHNICAL UNIVERSITY OF DENMARK, Denmark), **Nielsen A.H.** (TECHNICAL UNIVERSITY OF DENMARK, Denmark)**A5245QG****Automatic generation Strategy of Single-line diagrams based on Grouped-primitives****Zhao D.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Gong Q.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Zhang X.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Liu Y.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China)**A5427HK****A Heuristic Method for Transmission Network Expansion Planning Under Security Constraints****Khorasani H.** (UNIVERSIDADE ESTADUAL PAULISTA, Brazil), **Pourakbari-Kasmaei M.** (UNIVERSIDADE ESTADUAL PAULISTA, Brazil), **Romero R.** (UNIVERSIDADE ESTADUAL PAULISTA, Brazil)**A5539XL****Research on Fault Characteristics and Relay Protection Strategy of Doubly Fed Induction Generator Wind Turbine****Li X.** (TSINGHUA UNIVERSITY, China), **Wang B.** (TSINGHUA UNIVERSITY, China), **Li G.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China)**A5897SL****Information Theoretic Mean Shift Compensating for Scarce Data in Fault Diagnosis in Power Transformers****de Lima S.L.** (FEDERAL UNIVERSITY OF MARANHÃO (UFMA), Brazil), **Saavedra O.R.** (FEDERAL UNIVERSITY OF MARANHÃO (UFMA), Brazil), **Miranda V.** (INESC TEC, Portugal)**A5432LL****Transient Stability Mechanism of DFIG Wind farm and Grid-connected Power System****Lin L.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Zhao H.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Lan T.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Wang X.** (INNER MONGOLIA POWER DISPATCHING AND COMMUNICATION CENTER, China), **Wan J.** (INNER MONGOLIA POWER DISPATCHING AND COMMUNICATION CENTER, China)**A5435LL****A coordinated voltage control strategy of wind farms based on sensitivity method****Zheng T.** (JILIN POWER, China), **Jiao S.** (SIFANG AUTOMATION CO LTD, China), **Ding K.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Lin L.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China)

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Makalu

POSTER PRESENTATION

A5750CL

Importance Sampling Based Decision Trees for Security Assessment and the Corresponding Preventive Control Schemes: the Danish Case Study

Liu C. (AALBORG UNIVERSITY, Denmark), **Rather Z.H.** (AALBORG UNIVERSITY & KK-ELECTRONIC.COM, Denmark), **Chen Z.** (AALBORG UNIVERSITY, Denmark), **Bak C.L.** (AALBORG UNIVERSITY, Denmark), **Thøgersen P.** (INNOVATION CENTER KK-ELECTRONIC A/S, Denmark)

A5466CL

Short-term Wind Power Prediction Based on Multi-Scale Tuple Matching

Liu Ch. (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Liu Y.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Zhang D.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Wang W.** (GANSU ELECTRIC POWER DISPATCHING AND COMMUNICATION CENTER, China), **Chen Zh.** (GANSU ELECTRIC POWER DISPATCHING AND COMMUNICATION CENTER, China)

A5530YL

Analysis on a Large Scale Wind Turbines Cascading Trip-off Accident in North China

Liu Y. (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Li Ya.** (CHINA ELECTRIC POWER RESEARCH INSTITUTE, China), **Chi Y.** (CHINA ELECTRIC POWER RESEARCH INSTITUTE, China), **Wang W.** (GANSU ELECTRIC POWER DISPATCHING AND COMMUNICATION CENTER, China)

A5053JL

Optimal Reactive Power Planning Using Two-Stage Stochastic Chance-Constrained Programming

Lopez J. C. (SÃO PAULO STATE UNIVERSITY (UNESP), Brazil), **Mantovani J.R.S** (SÃO PAULO STATE UNIVERSITY (UNESP), Brazil), **Contreras J.** (UNIVERSIDAD DE CASTILLA-LA MANCHA, Spain), **Munoz J. I.** (UNIVERSIDAD DE CASTILLA-LA MANCHA, Spain)

A5518AM

Forecast-based battery schedule optimization in presence of reduced learning datasets

Michiorri A. (MINES PARISTECH, France), **Bossavy A.** (MINES PARISTECH, France), **Kariniotakis G.** (MINES PARISTECH, France), **Girard R.** (MINES PARISTECH, France)

A5612TM

A Combined Model of the ATP Software and TLM Method for the Analysis of Overvoltage in Power Distribution Network

Mustafa T. I. A. H. (UNIVERSITY OF BLUMENAU (FURB), Brazil), **Almaguer H. D.** (UNIVERSITY OF BLUMENAU (FURB), Brazil), **Meyer L. H.** (UNIVERSITY OF BLUMENAU (FURB), Brazil), **Cabral S.H.L.** (UNIVERSITY OF BLUMENAU (FURB), Brazil), **Baader J.E.** (UNIVERSITY OF BLUMENAU (FURB), Brazil), **Telló M.** (COMPANHIA ESTADUAL DE ENERGIA ELETRICA, Brazil), **Júnior J.J.A.** (COMPANHIA ESTADUAL DE ENERGIA ELETRICA, Brazil)

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Makalu

POSTER PRESENTATION**A5840NR****Using Scale Invariance for Wide-Band Frequency Modeling of Power Systems****Le T.T.M.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Retière N.** (G2ELAB - UNIVERSITE JOSEPH FOURIER, France)**A4864MR****Hierarchical PSS Control for Smart Transmission Grids - A Multiagents System Approach****Chamorro H. R.** (UNIVERSIDAD DE LOS ANDES, Colombia), **Rios M. A.** (UNIVERSIDAD DE LOS ANDES, Colombia)**A4940MR****Coherency identification based on Maximum Spanning Tree Partitioning****Gil M. A.** (UNIVERSIDAD DE LOS ANDES, Colombia), **Rios M. A.** (UNIVERSIDAD DE LOS ANDES, Colombia), **Gomez O.** (UNIVERSIDAD TECNOLÓGICA DE PEREIRA, Colombia)**A5288IS****Mathematical Model and Topological Method for Reliability Calculation of Distribution Networks****Voropai N.** (IRKUTSK STATE TECHNICAL UNIVERSITY, Russia), **Styczynski Z.A.** (OTTO VON GUERICKE UNIVERSITY MAGDEBURG, Germany), **Shushpanov I.** (IRKUTSK STATE TECHNICAL UNIVERSITY, Russia), **Suslov K.** (IRKUTSK STATE TECHNICAL UNIVERSITY, Russia)**A5521MS****Reliability Data Calibration Based on Load Point Interruption Indices Using Nonlinear and Quadratic Optimization****da Guia da Silva M.** (FEDERAL UNIVERSITY OF MARANHÃO (UFMA), Brazil), **Barbosa Rodrigues A.** (FEDERAL UNIVERSITY OF MARANHÃO (UFMA), Brazil)**A5172TS****Electromechanical Transient Analysis Considering the Effects of Wind Turbines Connected to the Network****Sousa T.** (FEDERAL UNIVERSITY OF ABC, Brazil), **Squarezi Filho A. J.** (UFABC, Brazil), **Trindade F. S.** (UNICAMP - UNIVERSITY OF CAMPINAS, Brazil), **Ruppert E.** (UNICAMP - UNIVERSITY OF CAMPINAS, Brazil), **Salles M. B. C.** (USP, Brazil)**A5351BT****Reliability Evaluation of Substations Subject to Protection System Failures****Wang F.** (DELFT UNIVERSITY OF TECHNOLOGY, Netherlands), **Tuinema B.W.** (DELFT UNIVERSITY OF TECHNOLOGY, Netherlands), **Gibescu M.** (DELFT UNIVERSITY OF TECHNOLOGY, Netherlands), **van der Meijden M.A.M.M.** (DELFT UNIVERSITY OF TECHNOLOGY, Netherlands)

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POSTER PRESENTATION

A5204YV

Dealing with an Overdose of Photovoltaic at Distribution Level

Vencken Y. (KATHOLIEKE UNIVERSITEIT LEUVEN, Belgium), **Labeeuw W.** (KATHOLIEKE UNIVERSITEIT LEUVEN, Belgium), **Deconinck G.** (KATHOLIEKE UNIVERSITEIT LEUVEN, Belgium)

A6043LX

Analysis of a dynamic equivalent for representation of wind generation for modal analysis of large-scale power systems

Xavier F. (RTE, France), **Marinescu B.** (RTE, France)

A5387CX

Index Definition of the CIM Based Health Evaluation for the Distribution Grid

Feng G. (IBM RESEARCH - CHINA, China), **Xinjie L.** (IBM RESEARCH - CHINA, China), **Xiangxiang C.** (IBM RESEARCH - CHINA, China), **Hairong L.** (IBM RESEARCH - CHINA, China), **Wenjun Y.** (IBM RESEARCH - CHINA, China), **Jin D.** (IBM RESEARCH - CHINA, China)

A5306MY

Power System Transient Stability Analysis in the Case of High-Penetration Photovoltaic

Yagami M. (HOKKAIDO INSTITUTE OF TECHNOLOGY, Japan), **Kimura N.** (HOKKAIDO INSTITUTE OF TECHNOLOGY, Japan), **Tsuchimoto M.** (HOKKAIDO INSTITUTE OF TECHNOLOGY, Japan), **Tamura J.** (KITAMI INSTITUTE OF TECHNOLOGY, Japan)

A5839XY

LVRT Control Strategy of PV Inverter Based on Current Control

Yuan X. (HOHAI UNIVERSITY, China), **Song P.** (HOHAI UNIVERSITY, China), **Liu Ha.** (HOHAI UNIVERSITY, China), **Fan F.** (HOHAI UNIVERSITY, China)

A5523CY

Wind power ultra-short-term forecasting method combined with Pattern-matching and ARMA-model

Yunlong C. (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Liu Y.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Zhang D.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Wang W.** (GANSU ELECTRIC POWER DISPATCHING AND COMMUNICATION CENTER, China), **Chen Zh.** (GANSU ELECTRIC POWER DISPATCHING AND COMMUNICATION CENTER, China)

A5930IZ

Control optimization of an electric traction bus powered by PEMFC and PV

Zamora I. (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **San Martín J.I.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **Asensio F.J.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **García-Villalobos J.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **San Martín J.J.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **Aperribay V.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain)

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Makalu

POSTER PRESENTATION**A5437DZ****Coordination Control for Offshore Wind Power Sending through Hybrid HVDC****Zhai D.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Han M.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Sun X.** (CHINA ELECTRIC POWER RESEARCH INSTITUTE, China)**A5906YZ****Network Reduction for Power Flow Based Applications****Zhang Y.** (ABB SCHWEIZ AG, Switzerland), **Larsson M.** (ABB CORPORATE RESEARCH, Switzerland), **Turunen J.** (AALTO UNIVERSITY, Finland), **Liisa H.** (AALTO UNIVERSITY, Finland)**A5361JS****Low-Cardinality Critical k-Tuples in Measurement Sets for State Estimation****Augusto A.A.** (FLUMINENSE FEDERAL UNIVERSITY, Brazil), **Do Coutto Filho M.B.** (FLUMINENSE FEDERAL UNIVERSITY, Brazil), **Stacchini de Souza J.C.** (FLUMINENSE FEDERAL UNIVERSITY, Brazil)**A5493BD****Capacitor Placement to Minimize Distribution Systems Active Losses using Bio-inspired Optimization****Antunes R.** (FEDERAL UNIVERSITY OF JUIZ DE FORA (UFJF), Brazil), **Silva Júnior I.C.** (FEDERAL UNIVERSITY OF JUIZ DE FORA (UFJF), Brazil), **Gomes F.V.** (FEDERAL UNIVERSITY OF JUIZ DE FORA (UFJF), Brazil), **Dias B.H.** (FLUMINENSE FEDERAL UNIVERSITY, Brazil)**A5675BM****Comparison of Primary Frequency Support Methods for Wind Turbines****Motamed B.** (CHALMERS UNIVERSITY OF TECHNOLOGY, Sweden), **Chen P.** (CHALMERS UNIVERSITY OF TECHNOLOGY, Sweden), **Persson M.** (CHALMERS UNIVERSITY OF TECHNOLOGY, Sweden)

Tuesday

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Makalu

POSTER PRESENTATION**A5841AI****Factors that affect the sag-tension model of an overhead conductor**

Bediauneta M.T. (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **Fernandez E.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **Albizu I.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **Mazon A.J.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **Sagastabeitia K.J.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain)

A5852LA**Possible impacts of the new ENTSO-E network code on Distribution Power Systems in Norway**

Aleixo L. (SINTEF ENERGY RESEARCH, Norway), **Daniela Catrinu M.D.** (SINTEF ENERGY RESEARCH, Norway), **Nordgård D.E.** (SINTEF ENERGY RESEARCH, Norway), **Preda T.** (NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), Norway)

A5645AA**Performance Analysis of Polymer Electrolyte Membrane Fuel Cells for Electric Vehicle Applications**

Abd El-Monem A. A. (KHALDA PETROLEUM COMPANY, Egypt), **Azmy A.M.** (TANTA UNIVERSITY, Egypt), **Mahmoud S.A.** (MENOUIYA UNIVERSITY, Egypt)

A5790YB**Local Load Power Factor Correction by a Grid-Interactive PV Inverter**

Peng W. (UNIVERSITY OF NEVADA, United States), **Baghzouz Y.** (UNIVERSITY OF NEVADA, United States), **Haddad S.** (UNIVERSITY 20 AUGUST 1955 SKIKDDA, Algeria)

A5294YB**Distribution state estimation performances with different state vectors**

Bésanger Y. (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Caire R.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Chilard O.** (EDF R&D, France), **Deschamps P.** (SCHNEIDER ELECTRIC, France)

A5368FC**A Recursive Least-Squares Aided by Pre-filtering for Phasor-Estimation in Distance Protection.**

Costa F.F. (FEDERAL UNIVERSITY OF ABC, Brazil), **Formiga D.A.** (FEDERAL UNIVERSITY OF RIO GRANDE DO NORTE, Brazil), **Ferreira R.R.** (FEDERAL UNIVERSITY OF ABC, Brazil), **Sousa T.** (FEDERAL UNIVERSITY OF ABC, Brazil), **Costa F.B.** (FEDERAL UNIVERSITY OF RIO GRANDE DO NORTE, Brazil)

A5452FC**Effects of V2G on frequency regulation and under-frequency load shedding in a quasi-islanded grid**

Dán F. (BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS, Hungary), **Csaba F.** (BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS, Hungary), **Prikler L.** (BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS, Hungary)

Tuesday

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Makalu

POSTER PRESENTATION**A5953VD****Data center energy consumption simulator from the servers to their cooling system**

Tran V. G. (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Debusschère V.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Bacha S.** (G2ELAB - UNIVERSITE JOSEPH FOURIER, France)

A5730JD**Protection system for meshed HVDC network using superconducting fault current limiters**

Descloux J. (G2ELAB & RTE, France), **Gandioli C.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Raison B.** (G2ELAB - UNIVERSITE JOSEPH FOURIER, France), **Hadjsaid N.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Tixador P.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France)

A5298RD**A simple DFT-based synchronization method for power quality measurement**

Diego R.I. (UNIVERSITY OF CANTABRIA, Spain), **Barros J.** (UNIVERSITY OF CANTABRIA, Spain), **de Apráiz M.** (UNIVERSITY OF CANTABRIA, Spain), **Prieto J.** (UNIVERSITY OF CANTABRIA, Spain)

A5665CG**Impact of the superconducting fault current limiters in distribution network architecture**

Gandioli C. (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Tixador P.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Alvarez-Hérault M.C.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Hadjsaid N.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France)

A5982MH**Transient Fault Studies in a Multi-Terminal VSC-HVDC Grid Utilizing Protection Means Through DC Circuit Breakers**

Hadjikypris M. (THE UNIVERSITY OF MANCHESTER, United Kingdom), **Terzija V.** (THE UNIVERSITY OF MANCHESTER, United Kingdom)

A5927AH**Survey and Crossed Comparison of Types, Optimal Location Techniques, and Power System Applications of FACTS**

Hernández Sautua A. (INGETEA POWER TECHNOLOGY - TECHNOLOGY, Spain), **Rodríguez Vidal M.A.** (INGETEA POWER TECHNOLOGY - TECHNOLOGY, Spain), **Torres Iglesias E.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **Lopez Pablo E.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain)

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POSTER PRESENTATION**A5928AH****Real 200kVA Static Synchronous Series Compensator Test Bench for Control Strategy Verification and Validation Using Matlab**

Rodríguez Vidal M.A. (INGETEAM POWER TECHNOLOGY - TECHNOLOGY, Spain), **Hernández Sautua A.** (INGETEAM POWER TECHNOLOGY - TECHNOLOGY, Spain), **Torres Iglesias E.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain), **Lopez Pablo E.** (UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU), Spain)

A6061HL**Small-Signal Stability Analysis of Offshore Wind Farms with LCC HVDC**

Liu Han. (RENSELAER POLYTECHNIC INSTITUTE, United States), **Sun J.** (RENSELAER POLYTECHNIC INSTITUTE, United States)

A5443VM**Power System Online Stability Assessment Using Active Learning and Synchrophasor Data**

Malbasa V. (TEXAS A&M UNIVERSITY, United States), **Zheng C.** (TEXAS A&M UNIVERSITY, United States), **Kezunovic M.** (TEXAS A&M UNIVERSITY, United States)

A5785AM**New Feeder Automation Scheme using VIT Reclosers and VIT Sectionalizers**

Le Y. (GEORGIA INSTITUTE OF TECHNOLOGY, United States), **Meliopoulos A.P.** (GEORGIA INSTITUTE OF TECHNOLOGY, United States), **Lee J.U.** (SHINSUNG INDUSTRIAL ELECTRIC, South Korea)

A5394NO**An Analytical Model for Evaluating the Effect of Voltage Control Devices to Compensate PVs Output Power Fluctuation**

Okada N. (CENTRAL RESEARCH INSTITUTE OF ELECTRIC POWER INDUSTRY, Japan), **Takasaki M.** (CENTRAL RESEARCH INSTITUTE OF ELECTRIC POWER INDUSTRY, Japan)

A5929OP**Microgrid Control Principles in Island Mode Operation**

Palizban O. (UNIVERSITY OF VAASA, Finland), **Kauhaniemi K.** (UNIVERSITY OF VAASA, Finland)

A5342TP**Intelligent Remuneration and Tariffs for Virtual Power Players**

Ribeiro C. (POLYTECHNIC INSTITUTE OF PORTO (ISEP/IPP), Portugal), **Pinto T.** (POLYTECHNIC INSTITUTE OF PORTO (ISEP/IPP), Portugal), **Morais H.** (POLYTECHNIC INSTITUTE OF PORTO (ISEP/IPP), Portugal), **Vale Z.** (POLYTECHNIC INSTITUTE OF PORTO (ISEP/IPP), Portugal), **Santos G.** (POLYTECHNIC INSTITUTE OF PORTO (ISEP/IPP), Portugal)

A5173RP**Distributed Generation: Voltage Stability Analysis**

Araujo F.B. (PONTIFICAL CATHOLIC UNIVERSITY, Brazil), **Prada R.B.** (PONTIFICAL CATHOLIC UNIVERSITY, Brazil)

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POSTER PRESENTATION**A4863MR****Sizing and Location of Shunt FACTS Devices in Power System using Genetic Algorithms**

Rodríguez C. (UNIVERSIDAD DE LOS ANDES, Colombia), Rios M. A. (UNIVERSIDAD DE LOS ANDES, Colombia)

A5065MR**Online Electromechanical Modes Identification using PMU Data**

Rios M. A. (UNIVERSIDAD DE LOS ANDES, Colombia), Ordoñez C. A. (UNIVERSIDAD DE LOS ANDES, Colombia)

A5349NR**Distribution Grid Codes: Opportunities and Challenges**

Roy N.K. (UNIVERSITY OF NEW SOUTH WALES, Australia), Pota H.R. (UNIVERSITY OF NEW SOUTH WALES, Australia)

A5738AS**Efficient Electricity Markets**

Salah Abou El Enien A. (EPEX SPOT, France)

A5797PS**A Method for Optimizing the Offer Price of Collaborative Power Generators**

See P.C. (NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), Norway), Fosso O.B. (NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), Norway), Molinas M. (NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), Norway), Foosnæs J.A. (NTE NETT AS, Norway)

A5392AS**Intelligent Distribution Network Response to Penetration of Plug-in Hybrid Electric Vehicles**

Sheikhi A. (SHARIF UNIVERSITY OF TECHNOLOGY, Iran), Maani A. (SHARIF UNIVERSITY OF TECHNOLOGY, Iran), Ranjbar A.M. (SHARIF UNIVERSITY OF TECHNOLOGY, Iran)

A5920KS**Evolution Phases for Low Voltage Distribution Network Management and Automation**

Sirviö K. (UNIVERSITY OF VAASA, Finland), Kauhaniemi K. (UNIVERSITY OF VAASA, Finland), Antila E. (UNIVERSITY OF VAASA, Finland)

A5573DT**Practical Experience of Using Additional Earthing of the Faulty Phase during a Ground Fault**

Topolánek D. (BRNO UNIVERSITY OF TECHNOLOGY, Czech Republic), Orságová J. (BRNO UNIVERSITY OF TECHNOLOGY, Czech Republic), Toman P. (BRNO UNIVERSITY OF TECHNOLOGY, Czech Republic), Dvořák J. (EON, Czech Republic)

Tuesday

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Makalu

POSTER PRESENTATION**A5763MZ****A Controllable Distributed Energy Resource With Active Filtering Capability Based On Online Harmonic Detection**

Zadeh M. (NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), Norway), **Molinas M.** (NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), Norway)

A5396ZM**Study on Dynamic Equivalence and Modeling of Regional Power Grid Based on RTDS**

Zhou M. (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Nie L.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Zhang D.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Liu Zh.** (INNER MONGOLIA ELECTRIC POWER RESEARCH INSTITUTE, China), **Li D.** (INNER MONGOLIA ELECTRIC POWER RESEARCH INSTITUTE, China), **Liu S.** (INNER MONGOLIA ELECTRIC POWER RESEARCH INSTITUTE, China)

A4911MJ**Geotechnology Application upon a Brazilian Hydroelectric Plant to Determine Ambient Impacts and Environmental Restrictions**

Jardini J. A. M. (FDTE, Brazil), **Jardini J.A.** (FDTE, Brazil), **Oliveira E.C.F.G.** (Investo S/A, Brazil), **Quintanilha J.A.** (FDTE, Brazil), **Magrini L. C.** (FDTE, Brazil), **Chen E. W.** (FDTE, Brazil), **Nicoli S.** (FDTE, Brazil), **Dzedzej M.** (IX Conculoria, Brazil)

A5765PP**A Method for Internal and External Fault Discrimination for Protection of Series Compensated Double-Circuit Line**

Pierz P. (WROCLAW UNIVERSITY OF TECHNOLOGY, Poland), **Rosolowski E.** (WROCLAW UNIVERSITY OF TECHNOLOGY, Poland), **Izykowski J.** (WROCLAW UNIVERSITY OF TECHNOLOGY, Poland), **Balcerek P.** (ABB CORPORATE RESEARCH CENTER, Poland), **Saha M.M.** (ABB AUTOMATION PRODUCTS AB, Sweden)

A5065MR**Online Electromechanical Modes Identification using PMU Data**

Rios M. A. (UNIVERSIDAD DE LOS ANDES, Colombia), **Ordoñez C. A.** (UNIVERSIDAD DE LOS ANDES, Colombia)

A5738AS**Efficient Electricity Markets**

Salah Abou El Enien A. (EPEX SPOT, France)

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17h40 – 18h30

Makalu

POSTER PRESENTATION**A5287KS****Development and operation of isolated systems in Russia****Suslov K.** (IRKUTSK STATE TECHNICAL UNIVERSITY, Russia)**A5607EO****Static Transmission Network Expansion Planning of Electric Power Systems using the Firefly Optimization****Mendonça I.M.** (FEDERAL UNIVERSITY OF JUIZ DE FORA (UFJF), Brazil), **Poubel R.P.B.** (FEDERAL UNIVERSITY OF JUIZ DE FORA (UFJF), Brazil), **Ivo C. S. Junior** (FEDERAL UNIVERSITY OF JUIZ DE FORA (UFJF), Brazil), **Oliveira E.J.** (FEDERAL UNIVERSITY OF JUIZ DE FORA (UFJF), Brazil), **Marcato A.L.M.** (FEDERAL UNIVERSITY OF JUIZ DE FORA (UFJF), Brazil), **Oliveira L.W.O.** (FEDERAL UNIVERSITY OF JUIZ DE FORA (UFJF), Brazil)**A5628XC****Estimation of Capacity for Charging Electric Vehicles****Chen X.**(THE UNIVERSITY OF MANCHESTER, United Kingdom), **Crossley P.A.**(THE UNIVERSITY OF MANCHESTER, United Kingdom), **Cotton I.**(THE UNIVERSITY OF MANCHESTER, United Kingdom)**A5563wj****Power Grid Fault Diagnosis Considering on Renewable Energy****Dongmei Z.** (NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Juan W.**(NORTH CHINA ELECTRIC POWER UNIVERSITY, China), **Xueting C.**(NORTH CHINA ELECTRIC POWER UNIVERSITY, China)**A5958VD****Efficiency Metric for Qualification of Data Centers in Terms of Useful Workload****Munteanu J.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Debusschère V.** (G2ELAB - GRENOBLE INSTITUTE OF TECHNOLOGY, France), **Bergeon S.** (VESTA SYSTEM, France), **Bacha S.** (G2ELAB - UNIVERSITE JOSEPH FOURIER, France)**A5579ZL****Multi Agent System Based Process Control in Wide Area Protection against Cascading Events****Liu Z.**(AALBORG UNIVERSITY, Denmark), **Chen Z.**(AALBORG UNIVERSITY, Denmark), **Sun H.**(HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, China), **Hu Ya.**(GLYNDWR UNIVERSITY, United Kingdom)