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Part I APPEEC 2011 Conference Schedule

Registration March 25~27, 2011

08:30 - 20:00	March 25	
08:30 - 18:00	March 26	Location: Lobby, 1 st floor, Optics Valley Kingdom Plaza, Wuhan
08:30 - 15:00	March 27	

Saturday Morning, March 26

Time	Activity	Location: Banqueting hall, 3 rd floor, Optics Valley Kingdom Plaza, Wuhan
	Opening Ceremony (Chair: Mr. Patrick P. Ryan, IEEE Power & Energy Society)	
	Welcome Speech	
08:30-08:50	Speaker: Mr. Alan Rotz, IEEE Power & Energy Society	
	Plenary Speech Session (Chair: Prof. Yuanzhang Sun, Wuhan University)	
08:50-12:00	Plenary Speech: Reliability Assurance of Emerging Cyber-Physical Power Systems	
	Speaker: Prof. Chanan Singh (Texas A & M University, USA)	
	Time: 08:50-09:30	
	Plenary Speech: Smart Grid as a Solution Provider for the Integration of Intermittent Power Generation	
	Speaker: Prof. Saifur Rahman (Virginia Tech, USA)	
	Time: 09:30-10:10	
	Coffee Break Time: 10:10-10:40	
	Plenary Speech: The Role of Hydrogen Storage Technology in Future Hydrogen Economy	
	Speaker: Prof. Hansong Cheng (China University of Geosciences, Wuhan, China)	
	Time: 10:40-11:20	
	Plenary Speech: TBD	
	Speaker: Prof. Shijie Cheng (Huazhong University of Science and Technology, China)	
	Time: 11:20-12:00	

Saturday Noon, March 26

12:10 – 13:30	Lunch Buffet	Location: Kingdom hall(金盾多功能厅) 2 nd floor , Optics Valley Kingdom Plaza, Wuhan
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Saturday Afternoon, March 26

Time	Activity (Coffee Break 15:40 – 16:00)	Location: 3 rd floor, Optics Valley Kingdom Plaza, Wuhan
	Oral Session 1: Energy Efficiency and Environment-friendly Technologies	Qingchuan hall(晴川厅), 3 rd floor
14:00 – 18:00	Oral Session 2: Power Generation (1) - Thermal Power	Qintai hall(琴台厅), 3 rd floor
	Oral Session 3: Power Generation (2) - Thermal Power and Wind Power	Huanghe hall(黄鹤厅), 3 rd floor
	Oral Session 4: Power Generation (3) - Conventional and Renewable	Guanggu hall(光谷厅), 3 rd floor

Saturday Evening, March 26

18:30 – 20:00	Welcome Banquet	Location: Kingdom hall(金盾多功能厅), 2 nd floor, Optics Valley Kingdom Plaza, Wuhan
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Sunday Morning, March 27

Time	Activity (Coffee Break 09:50 – 10:10)	Location: 3 rd floor, Optics Valley Kingdom Plaza, Wuhan
	Oral Session 5: Power System Analysis and Optimization, New Theories and Technologies	Qingchuan hall(晴川厅), 3 rd floor
08:30 – 12:00	Oral Session 6: Power System Planning and Management	Qintai hall(琴台厅), 3 rd floor
	Oral Session 7: Power System Security and Monitoring	Huanghe hall(黄鹤厅), 3 rd floor
	Oral Session 8: Power Transmission and Electromagnetic Analysis	Guanggu hall(光谷厅), 3 rd floor

Sunday Noon, March 27

12:10 – 13:30	Lunch Buffet	Location: Kingdom hall(金盾多功能厅) 2 nd floor , Optics Valley Kingdom Plaza, Wuhan
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Sunday Afternoon, March 27

Time	Activity (Coffee Break 15:40 – 16:00)	Location: Banqueting hall, 3 rd floor, Optics Valley Kingdom Plaza, Wuhan
	Poster Session 1: Environment Protection and New Technologies	
	Poster Session 2: Management Track and Other Related Topics	
14:00 – 18:00	Poster Session 3: Power Generation - Thermal Power, Wind Power and Solar Power	
	Poster Session 4: Power Generation and Power System Planning	
	Poster Session 5: Power System Management and Power Transmission	
	Poster Session 6: Power System Monitoring and Optimization	

Monday, March 28

08:00 – 17:00	Conference Tour	Location: Wuhan city
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Part II Plenary Speeches

Conference VIP:

Speaker: Mr. Alan C. Rotz, IEEE Power & Energy Society

Time: 08:30-08:50, March 26, 2011

Location: Banqueting hall, 3rd floor, Optics Valley Kingdom Plaza, Wuhan



Alan (Al) C. Rotz graduated from Lehigh University in 1970 with a BS in Electrical Engineering. In 2001 he completed a MS in Engineering Management from Drexel University. He has been a registered Professional Engineer in the state of Pennsylvania in the USA since 1976.

Al retired from PPL Electric Utilities in April 2010 after 40 years of service. He spent 17 years in the Transmission and Distribution Planning Departments, including 8 years as a Supervising Engineer. He then spent three years a Supervising Engineer in the Distribution Operations and Maintenance Department. His management assignments over the past 20 years have included Field Engineering and Construction, Substation Engineering, Distribution Engineering, and his most recent role as Manager of Attachment & Telecom Business Services. From 1995 to 2001 Al was a member of the Edison Electric Institute's Transmission & Substation Committee, and served that group in roles as 2nd and 1st Vice Chair.

Al was a member of the IEEE Power & Energy Society (PES) Substation Committee from 1995-2001, where his major contributions were made as part of the Environmental Subcommittees. He was an active participant on Working Groups that affirmed or re-wrote IEEE Guides on Animal Deterrents (1264), Containment and Control of Oil Spills in Substations (980) and Substation Security (980). He also served as Vice Chair of the Environmental Subcommittee during those years. Al was elected as Treasurer of IEEE PES in 2004 and again in 2006. He was elected as PES President-Elect in 2008 and in that position also served as Chair of the PES Long-Range Planning Committee. He became the PES President in January 2010 and will serve through 2011. He is currently serving on the IEEE TAB PSPB Products and Services Committee and the IEEE TAB Ethics and Conflict Resolution Committee.

Conference VIP:

Speaker: Mr. Patrick P. Ryan, IEEE Power & Energy Society

Time: 08:30-08:50, March 26, 2011

Location: Banqueting hall, 3rd floor, Optics Valley Kingdom Plaza, Wuhan



Conference VIP:

Speaker: Prof. Yuanzhang Sun, Wuhan University

Time: 08:30-08:50, March 26, 2011

Location: Banqueting hall, 3rd floor, Optics Valley Kingdom Plaza, Wuhan



Plenary Speech: Reliability Assurance of Emerging Cyber-Physical Power Systems

Speaker: Prof. Chanan Singh, Texas A & M University, USA

Time: 08:50-09:30, March 26, 2011

Location: Banqueting hall, 3rd floor, Optics Valley Kingdom Plaza, Wuhan



Abstract

More sensing, communication, variable power sources and storage are being added to the power systems because of the renewable energy thrust and smart grid initiatives. These additions will add even higher orders of dimensionality to already large and complex power systems. As a result modern power grids with their physical current-carrying components and the embedded computer, communication and control networks are fast emerging as one of the largest and most complex cyber-physical systems. This order of complexity, intended to achieve higher levels of efficiency, flexibility and fault tolerance, could also be a source of more failures of complex nature that can actually degrade reliability. Yet, almost the entire literature on power system reliability evaluation is concerned only with the failures of the current-carrying part of the power grid. The literature on the reliability of power systems examining the overlaid cyber components and their mutual interdependence with the current carrying part is almost non-existent. The objective of this presentation is to explore the topic of the reliability assurance of cyber-physical systems and possibly stimulate more research in this area. The current state of reliability models will be reviewed and some ideas will be offered for creating a framework for dealing with the power system as an interdependent cyber-physical system.

Plenary Speech: Smart Grid as a Solution Provider for the Integration of Intermittent Power Generation

Speaker: Prof. Saifur Rahman, Virginia Tech., USA

Time: 09:30-10:10, March 26, 2011

Location: Banqueting hall, 3rd floor, Optics Valley Kingdom Plaza, Wuhan



Abstract

The concept of the smart grid originated from the desire to make the grid - starting from the power station to the end-use appliance - smarter, safer, reliable and more cost-effective using advanced sensors, communication technologies and distributed computing. A smart grid will look more like the Internet, where information about the state of the grid and its components can be exchanged quickly over large distances. It will also allow integration of new sustainable energy sources, such as wind, solar, off-shore electricity, etc. However, as most of the renewable sources of electricity are intermittent, their contribution to the grid is limited, unless the grid is flexible enough to absorb the variations from these sources. The two-way communication capability in the smart grid allows widespread deployment of "demand response" technologies and programs thereby allowing the load to adjust to supply variations. There are five attributes of the smart grid that need to work interactively for this concept to be a reality. These are: Technology, Standards, Policies and Incentives, and Public Awareness.

At present there are efforts from various vendors globally to develop technologies, which will become building blocks of this grid. At the same time, standards are being developed that can make technologies from different vendors interoperable so that many players will be able to participate giving customers a broad choice. On the other hand, since much of the data related to the smart grid will reside on the Internet and it will carry personalized information; there are significant concerns about data integrity and privacy. Also, there must be policies and regulations in place that will encourage participation by creating a differential pricing structure for the electricity consumed which will discourage peak load growth. Whether all of these will take root will depend on the end-user finding value in participating in this opportunity. And this will depend on two things – awareness and incentives – which are interrelated. The public must be made aware of the benefits and challenges of participating including up-front investments.

Plenary Speech: The Role of Hydrogen Storage Technology in Future Hydrogen

Economy

Speaker: Prof. Hansong Cheng, China University of Geosciences(Wuhan), China

Time: 10:40-11:20, March 26, 2011

Location: Banqueting hall, 3rd floor, Optics Valley Kingdom Plaza, Wuhan



Abstract

Hydrogen storage technology is one of the key components of the much-touted hydrogen economy. Using the state-of-the-art computational chemistry techniques, we designed a series of carbon based novel materials to store hydrogen with significant storage capacity. Subsequently, several of these materials were synthesized and the predicted properties of these compounds were confirmed experimentally. In this lecture, we will first review our studies on hydrogen adsorption in several solid state materials, including fluoride intercalated graphite, bulk BC₃ and MoO₃. Hydrogen storage in these materials is realized via physisorption or spillover mechanisms. We will then review our research on using p-conjugated organic liquids to store hydrogen via catalytic hydrogenation. We show that dehydrogenation from these organic liquid hydrogen carriers can be realized catalytically at unprecedentedly moderate temperatures below 200°C with high gas purity. The chemical storage process is completely reversible. A novel storage concept for on-board PEM fuel cell applications and hydrogen infrastructure is proposed. The role of hydrogen storage technology in the incipient hydrogen economy will be discussed.

Plenary Speech: TBD

Speaker: Prof. Shijie Cheng, Huazhong University of Science and Technology, China

Time: 11:20-12:00, March 26, 2011

Location: Banqueting hall, 3rd floor, Optics Valley Kingdom Plaza, Wuhan



Part III Oral Sessions

Oral Session 1: Energy Efficiency and Environment-friendly Technologies

Session Chair: Prof. Ahmad Zahedi James Cook University, Queensland, Australia

Qingchuan hall(晴川厅), 3rd floor

14:00 – 18:00, Mar. 26, Saturday

Paper ID	Paper Title	Author	Affiliation
92112	Feasibility Study of Stand-Alone PV-Wind-Biomass Hybrid Energy System in Australia	Gang Liu	CQ University, Australia
91063	Smart Grid Opportunities & Challenges for Power Industry to Manage the Grid more efficiently	Ahmad Zahedi	James Cook University, Queensland, Australia
90690	Experiences Determining the AC Current Rating of HTS Tapes in Power Transformers	Andrew Laphorn	University of Canterbury, New Zealand
91202	Geometrical Optimization of the Composite Cathode in a Solide Oxide Fuel Cell	Daifen Chen	Jiangsu University of Science and Technology, China
91031	Experiment Study on a New Designed OWC Caisson Breakwater	Yajun Liu	Ocean University of China, China
91045	Numerical Analysis of Pressure Fluctuations Caused by Impeller-Diffuser Interaction in a Mixed Flow Reactor Coolant Pump	Zhang Ye	Dalian University of Technology, China
92328	The Analysis of Influence Factors on Sprinkle Density of Falling Film in Horizontal Tube Evaporator for Seawater Desalination	Xiaohua Liu	Dalian University of Technology, China
92282	Calculation and Analysis of Six-phase Synchronous Motor Operating at Rated Condition by FEM	Lin Peng	Harbin University of Science and Technology, China
90132	A Modified Quantize Model for Depicting Coal Char Combustion under O ₂ /CO ₂ Atmosphere	Hua Fei	Huazhong University of Science and Technology, China
91261	An Inventive Structure in Axial Flux PM Machine (Mixed Flux)	Abdolreza Rahmanifar	National Iranian Oil Company, Iran, Islamic Republic of
90494	Research on Automatic Fouling Removal and Prevention by Liquid-solid Fluidization with Spiral Inserts in Tubes of Small Turbines Condensors	Tianlan Yu	Hunan University of Technology, China
91391	Diagnostic Identification of Self-discharge Mechanisms for Carbon-based Supercapacitors with High Energy Density	Zhongxue Li	Lanzhou Jiaotong University, China
90572	Energy-saving Performance Analysis of Distributional Building Energy System	Yanfeng Cao	Hunan University, China
90023	The Role of Material Properties in Cold Spraying for the Surface Modification of Nuclear Main Pump	Shuo Yin	Dalian University of Technology, China
91135	Experimental Investigation on CO ₂ -Water-Rock Interactions during CO ₂ Flooding	Zihan Zhu	China University of Petroleum, Beijing, China

Paper ID	Paper Title	Author	Affiliation
90814	Development of Renewable Energy and Sustainability for Off-Grid Rural Communities of Developing Countries and Energy Efficiency	Tewodros Tesfaye Erbato	TU-Darmstadt, Germany
91992	Numerical Simulation on the Mixture of Multi-inlet Vertical Jet and Mainstream in Reactor	Rong Xie	Dalian University of Technology, China
92317	A New CFD-based Method Study on Modelling Design of Nuclear Main Pump Impeller	Rong Xie	Dalian University of Technology, China

Oral Session 2: Power Generation (1) - Thermal Power

Session Chair: Prof. Jinghui Song Guangdong Power Grid, China

Qintai hall(琴台厅), 3rd floor

14:00 – 18:00, Mar. 26, Saturday

Paper ID	Paper Title	Author	Affiliation
91082	Study of Influence of Diffuser Meridian Channel Shape on Performance of Micro-Gas Turbine Centrifugal Compressor	Yong Yang	Dalian University of Technology, China
92293	Gas-particle Flow Characteristics of a Centrally-fuel-rich Primary Air Burner: Simulation and Experiment	Zhichao Chen	School of Energy Science and Engineering, China
92346	Crankshaft Strength Analysis of a Diesel Engine Using Finite Element Method	Yu Ding	Harbin Engineering University, China
90709	Micropump application for micro power systems: A review	Xuefeng Huang	Hangzhou Dianzi University, China
90898	Influence of Tooth Position and Clearances on Leakage in Labyrinth Seal in Turbine	Meng Zhang	Dalian University of Technology, China
91632	Theoretical Study of Solar Concentrator Replacing the Source of Auxiliary Steam System	Xiuyan Wang	North China Electric Power University, China
92362	Comparative Study on Parallel Feed and Mixed Feed LT-MED Desalination Systems	XiaohuaLiu	Dalian University of Technology, China
91510	Optimization of Cool-end System for SC/USC Air-Cooling Unit	Pengfei Hu	Wuhan University, China
90262	A Chemical Reaction Model of the Self-heating of Coal	Xuyao Qi	China University of Mining Technology, China
90329	Predicting IGBT Junction Temperature with Thermal Network Component Model	Ming Chen	Naval University of Engineering, China
91367	Separator Life Monitoring and Management System of Ultra Supercritical Boiler	Jinghui Song	Electric Power Research Institute of Guangdong Power Grid, China
92183	Theoretical Analysis of Lowest Limits of NOx Formation of Methane-air Mixtures	Bin Hu	Beihang University, China
92246	End-effect of Linear Fresnel Collectors	Shaoxuan Pu	China Agricultural University, China

Paper ID	Paper Title	Author	Affiliation
92023	Simulation Techniques for Heat Release Calculation of Diesel Engines	Yu Ding	Delft University of Technology, Netherlands
91273	Design of Cascade Model using an Optimization Method	Soo-Yong Cho	Gyeongsang National University
91494	Modeling and Simulation of 500 kV Transmission network for neumerical fault calculation, detection, using PSCAD/EMTDC	Pairoj Kajoijilertsakul	Kasetsart University, Thailand
91362	A Numerical Study on the Heat Transfer Process of Transformer and Embedding System	Jue Ding	Shanghai University, China

Oral Session 3: Power Generation (2) – Thermal Power and Wind Power

Session Chair: Prof. Jidong Wang Tianjin University, China

Huanghe hall(黄鹤厅), 3rd floor

14:00 – 18:00, Mar. 26, Saturday

Paper ID	Paper Title	Author	Affiliation
91781	The Influence of Air Distribution on the Single-phase Flow Field of Central Fuel Rich Swirl Burner	Yong Liu	Harbin Institute of Technology, China
90045	GA-ANN for Short-Term Wind Energy Prediction	TZU Chao Lin	Taiwan Power Company, Taiwan, China
91859	Dual-PI Rotor Current Control of Doubly-fed Induction Wind Generators under Unbalanced Grid Voltage	Ya Deng	Beijing Jiaotong University, China
92462	Numerical Study of the Serpentine Finned Tube used in Air Cooled Condenser	Xuemei Hou	Shandong University, China
91617	Performance Analysis of Gas-Steam Combined Cycle with Coke Oven Gas	Hongbin Zhao	China University of Petroleum Beijing, China
92344	Analysis on the Back-pressure Optimum Operation of the Direct Air-cooled Condenser	Hongbin Zhao	China University of Petroleum Beijing, China
90280	Experimental Research on Steam Wetness Measurement by Capacitance Sensor	Tian Ruifeng	Harbin Engineering University, China
91508	Preliminary Test of Steam Humidity Measurement with Capacitance Sensor	Tian Ruifeng	Harbin Engineering University, China
90493	Evaluation of the Control Limit of Rotor-Side Converters in DFIG-based Wind Energy Conversion Systems under Symmetrical Voltage Dips	Honglin Zhou	Tsinghua University, China
90630	A New Control Method of Three-Phase PMSG Wind Turbine Connected to Single-Phase Network Through a Back-to-Back Converter	Ali Shamsnia	Sharif University of Technology, Iran, Islamic Republic of
90296	Neural Network Ensemble Method Study for Wind Power Prediction	Shuang Han	North China Electric Power University, China

Paper ID	Paper Title	Author	Affiliation
92162	Grid Related Issues of Wind Power Plants	Nidhish Mishra	BVM Engineering College, India
90379	Study on Synchronous Variable-Pitch Vertical Axis Wind Turbine	Lixun Zhang	Harbin Engineering University, China
91034	Operation Characteristics of Zone 3 Impedance Relays in Wind Power Systems with Fixed-speed Induction Generators	Shenghu Li	Hefei University of Technology, China
90076	Comparison of Wind Power Generation Interconnection Technology Standards	Jidong Wang	Tianjin University, China
91375	Research on Dynamic Var Compensate Strategy of Wind Farm with Statcom	Yongning Chi	China Electric Power Research Institute
91980	Influence of Total Solids Inventory on Axial Voidage Profile and L-valve Operation in a CFB	Nutsupak Chovichien	Thammasat University, Thailand
92507	Electrical Pre-design for Grid Code Compliant Evaluation of Wind Power Plant in Vestas	Zhou Yi	Vestas Technology R&D, Singapore

Oral Session 4: Power Generation (3) – Conventional and Renewable

Session Chair: Dr. Wei Jiang Yangzhou University, China

Guanggu hall(光谷厅), 3rd floor

14:00 – 18:00, Mar. 26, Saturday

Paper ID	Paper Title	Author	Affiliation
92300	Research on Catalytic Gasification Characteristics and Reaction Kinetics of Rice Husk	Peng Fu	Shandong University of Technology, China
90343	Optimization of Process Conditions for the Extraction of Microbial Oil from <i>Mortierella Isabellina</i>	Li Wu	Wuhan Institute of Technology, China
90171	Properties of Bio-oil from Alga Fast Pyrolysis	Xiujuan Guo	Zhejiang University, China
90016	Numerical Analysis on Impulse Turbine for OWC Wave Energy Convertor	Congbo Xiong	Ocean University of China
90038	Experimental Study on a New Offshore Wave Energy Convertor	Zhen Liu	Ocean University of China, China
90695	An Economic Comparison between Grid Based and Isolated Rural Electrification in Nepal	Kalyan Malla	University of Canterbury, New Zealand
91586	Stability Analysis of Diversion Tunnels in Hydropower Plant Subjected to Initial Impoundment	Yang Yang	Wuhan University, China
91487	Vibration Response Analysis of Large-Scale Hydropower House Under Vibration Loads of Hydroelectric Unit	Hongzhan Zhang	Dalian University of Technology, China
90208	Matlab-Simulink Based Modeling to Study the Influence of Nonuniform Insolation Photovoltaic Array	Kun Ding	Hohai University, China
90813	Analysis on Leakage Current in Transformerless Single-Phase PV Inverters Connected to the Grid	Xiaomeng Su	Fudan university, China

Paper ID	Paper Title	Author	Affiliation
90927	Decision-making on PV Modules for Very Large Scale Photovoltaic Systems using Improved Analytic Hierarchy Process	Biao Yang	Fudan University, China
92123	Experimental Investigation into the Denitrification Performance of a CuO/AC Catalyst Used for NO Reduction with Ammonia	Qunyi Zhu	Harbin Institute of Technology, China
90475	The Effect of Inlet Convergence Angle on Flow Field and Performance inside the Jet Pump	Yan Sun	Dalian University of Technology, China
91108	Reliability Prediction of Fuel Cycling System in Pebble Bed Reactor Based on GO Methodology	Kai Zeng	Tsinghua University, Beijing, China
90242	Reliability Data Update Method With Gamma Distribution	Muhammad Zubair	Harbin Engineering University, China
90902	Load Sharing Techniques in Hybrid Power Systems for DC Micro-grids	Wei Jiang	Yangzhou University, China
91834	Deposition of Cement Kiln Ash on the Tubes of Waste Heat Recovery Boiler	Yufeng Wang	Xi'an Jiaotong University, China
92278	Six Driving Force Framework to Achieve the Share Target of Renewable Energy	Yuhui Zhou	Beijing Jiaotong University, China
90011	Modeling a Proton Exchange Membrane (PEM) Fuel Cell System as a hybrid power supply for standalone applications	Dallia Ali	Robert Gordon University, United Kingdom

Oral Session 5: Power System Analysis and Optimization, New Theories and Technologies

Session Chair: Prof. Tao Lin Wuhan University, China

Qingchuan hall(晴川厅), 3rd floor

08:30 – 12:00, Mar. 27, Sunday

Paper ID	Paper Title	Author	Affiliation
90571	A New Method for Identifying Bifurcation Points in Steady-state Voltage Stability Analysis	Fuchun Han	Taiyuan University of Technology, China
91018	Observation of Chaos in Smart Grid and Stabilization Condition via Generalized Fuzzy Hyperbolic Model	Qiuye Sun	Northeastern University, China
90498	A Marx Generator for Exploding Wire Experiments	Rowan Sinton	University of Canterbury, New Zealand
90704	Formation of a Plasma Conductor by Induction	Ryan van Herel	University of Canterbury, New Zealand
91535	Measurement of Non-Thermal Plasma in Negative Discharge with Water Atomized	Ming Sun	Shanghai Maritime University, China
92404	Robust Design of Pulse Forming Network with Nonlinear Resistive Loads	Leizhou Zhang	Xi'an Jiaotong University, China

Paper ID	Paper Title	Author	Affiliation
90507	Optimization Design of Steam Pipelines for Industrial Enterprises	Dongyue Jiang	Dalian University of Technology, China
90210	RMS Method to Evaluate Maximum Continuous Discharge Current of Lithium Ion Battery	Xiaoguo Liang	Intel Asia Pacific R&D Ltd., China
90792	Allocating Reactive Power Using Artificial Neural Network	Phetsadachanh Saypasert	Chiang Mai University, Thailand
90321	On Service Restoration Considering Frequency Characteristics of Distributed Generation	Tao Lin	Wuhan University, China
92063	Study on the Efficiency of Capacitor Charging Power Supply for Power Conditioning System	Qinyue Tan	Huazhong University of Science and Technology, China
92017	Mitigation of Voltage Swell by Switched Autotransformer with Random Hysteresis Voltage Control	Alfred Baghranian	Guilan university, Iran, Islamic Republic of
92022	Voltage Sag Mitigation Utilizing Switched Autotransformer with Random Hysteresis Voltage Control	Alfred Baghranian	Guilan university, Iran, Islamic Republic of
92340	Temperature Response in the Process of Ultrasonic Seawater Desalination	Lingyun Zhang	Qingdao Technological University, China
91639	Distribution System Reliability Evaluation Based on Pseudo-sequential and Network-Equivalence	Ming Ding	Hefei University of Technology, China
90122	Investigation of Temperature Variation Effects on Natural Gas Consumption in Iran	Tooraj Karimi	Tehran University, Iran, Islamic Republic of
90880	FPGA Implementation of CPS-SPWM for Grid Connected Photovoltaic System	Xianglian Xu	Wuhan University of Technology, China

Oral Session 6: Power System Planning and Management

Session Chair: Prof. Jizhong Zhu Alstom Grid Inc., USA

Qintai hall(琴台厅), 3rd floor

08:30 – 12:00, Mar. 27, Sunday

Paper ID	Paper Title	Author	Affiliation
90351	Improvement of Small Signal Stability Early Warning Based on OAPID and CBR Theory	Tao Lin	Wuhan University, China
90435	Emergency Control in Electric Power Systems within Smart Grid Concept	Nikolai Voropai	Energy Systems Institute, Russian Federation
91207	An Approach of Economic Dispatch in the Practical Hydrothermal Power System	Jizhong Zhu	Alstom Grid Inc., USA
90488	Robust Controller Design Survey for Damping Low Frequency Oscillations in Power Systems	Yuan Peng	University of the West of England, United Kingdom
92410	Reliability Analysis of Gas Turbine Based on The Failure Mode and Effect Analysis	Huadong Yang	North China Electric Power University, China

Paper ID	Paper Title	Author	Affiliation
90989	Residential Loads Modeling by Norton Equivalent Model of Household Loads	Mohammad Jawad Ghorbani	Sharif University of Technology, Iran, Islamic Republic of
92130	Application of Least Squares Support Vector Machine(LS-SVM) Based on Time Series in Power System Monthly Load Forecasting	Deyue Men	North China Electric Power University, China
91866	The Short-term Load Forecasting Based on Grey Theory and RBF Neural Network	Le Wang	Guangxi University, China
91211	Ultra-high Speed Fault Phase Selection Method Using Morphology-wavelet Transform	Hu Yuanchao	Wuhan University, China
91216	Morphological Operator and Rough Set Theory for Fault Line Detection	An Yunzhu	Wuhan University, China
90162	Generation Maintenance Scheduling by Security Coordination Considering Transformer Maintenance	Xin Jie Lv	IBM Research – China, China
90734	Identifying Chains of Events During Power System Cascading Failure	Shi Zhongying	Tsinghua University, China
90785	Model Predictive Control Strategy for a Load Management Research Facility in the Distributed Power System with High Wind Penetration –Towards a Danish Power System with 50% Wind Penetration	Yi Zong	Risoe National Laboratory for Sustainable Energy, Technical University of Denmark, Denmark
90431	Analysis of Improved Shipboard Power Flow Calculation Based on Component Modeling	Lei Shi	Naval University of Engineering, China
90292	Electrical Demand of Bangladesh Power System: Dependence on the Weather of the Country	Nahid-Al-Masood	Bangladesh University of Engineering Technology, Bangladesh
90940	Fuzzy Modeling of Uncertainties in Generation Scheduling Integrating Wind Farms and Pumped Storage Plants	Mohammadreza Mokhtari	Islamic Azad University-South Tehran Branch, Iran, Islamic Republic of
90253	Volt Ampere Reactive Compensation: Potential Solution of Power Flow Constraints of Bangladesh Power System	Nahid-Al-Masood	Bangladesh University of Engineering Technology, Bangladesh
70284	Pothead of Urban and Rural Construction Land Rationality Assessment: A Case of Hailong Village	Lin Zhu	China University of Mining Technology, China
92148	The Accelerated Reliability Evaluation Method of Composite Power System	Wenbo Wang	Henan Electric Power Research Institute, China
90359	Vulnerability Control for Power System by Smart Demand Response	Huiling Su	Electrical School of Southeast University, China
90540	A Revised Subgradient Method for Solving the Dual Problem of Hydrothermal Scheduling	Hongxing Ye	Xi'an Jiaotong University, China

Oral Session 7: Power System Security and Monitoring

Session Chair: Prof. Ligu Wang Harbin Institute of Technology, China

Huanghe hall(黄鹤厅), 3rd floor

08:30 – 12:00, Mar. 27, Sunday

Paper ID	Paper Title	Author	Affiliation
92398	Study on Contamination Deposition Characteristics of Transmission Line Insulators	Chunhui Gu	Xi'an Jiaotong University, China
91754	Online Monitoring of Wide-area Voltage Stability Based on Short Circuit Capacity	Lei Huang	Wuhan University, China
91060	Passive Control on the Negative Effect of Thyristor Switched Capacitor (I)	Ligu Wang	Harbin Institute of Technology, China
92181	Prediction of Voltage Collapse in Presence of Voltage Dependent Loads by PV Curve Approximation	Farid Karbalaeei	SRTTU, Iran, Islamic Republic of
90788	An Improved Network-based Traveling Wave Fault Location Method	Feng Deng	Changsha University of Science Technology, China
90140	An Augmented Naive Bayesian Power Network Fault Diagnosis Method based on Data Mining	Qianwen Nie	CCCC Fourth Harbor Engineering Co., Ltd, China
90609	Power System Interharmonics Analysis Based on new Time Frequency Algorithm	Jian Cao	Wuhan University, China
90629	The On-line Monitoring and Diagnosis System for Thermal Performance of Secondary Loop in Daya Bay Nuclear Power Plant	Qingsen Zhao	Suzhou Nuclear Power Research Institute, China
91663	Broken Conductor Detection for Overhead Line Distribution System	Anantachai Pongthavornsawad	Provincial Electricity Authority, Thailand
90789	Research on Fast Fault Isolation and Restoration for Distribution	Shicong Ma	Alstom Grid UK, United Kingdom
91555	Safety Analysis of Fence Installation on a Large Power Station Concerning Inductive and Conductive Coupling from Nearby Transmission Lines	Jinxi Ma	Safe Engineering Services & Technologies Ltd., Canada
91278	Research on DC Transient Overvoltage and Insulation Coordination of ± 800 kV Converter Station	Yongxia Han	Guangdong Electric Power Design Institute, China
90158	Design of Calculation Software for Wave Process of Power Transformer Winding	Yan Li	Shenyang University of Technology, China
91204	Soft Turn-on of NPT IGBT under Active Voltage Control	Weiwei He	University of Cambridge, United Kingdom
90756	Surface Plasmon Resonance Enhanced Polar Magneto-optical Kerr Effects for Applications in Current Sensing	Xuefeng Luo	Chinese Academy of Sciences, China
91365	Design and Application of a Power Quality Monitoring Equipment Based on DSP and CPLD	Sen Ouyang	South China University of Technology, China
90590	A Relationship for the Reactance Behavior in Voltage-Constrained Power System Components	Fayez El-Sadik	University of Khartoum, Sudan

Paper ID	Paper Title	Author	Affiliation
70261	Risk Management Practices by Islamic Banks, A Pakistani Perspective.	Haroon Rasheed	Wuhan University of Technology, China

Oral Session 8: Power Transmission and Electromagnetic Analysis

Session Chair: Prof. Kwok W. Cheung Alstom Grid Inc., USA

Guanggu hall(光谷厅), 3rd floor

08:30 – 12:00, Mar. 27, Sunday

Paper ID	Paper Title	Author	Affiliation
92469	Unbalanced Circulating Current of Double-Circuit Transmission Lines	Bin Li	Tianjin University, China
90419	Comparative THD Analysis of Different Resonant Tanks for Driving Fluorescent Lamp	Yitao Liu	Nanyang Technological University, Singapore
92154	Total Electric Field Calculation of Body Model under HVDC Transmission Lines	Yongzan Zhen	North China Electric Power University, China
91191	New Precharge and Submodule Capacitor Voltage Balancing Topologies of Modular Multilevel Converter for VSC-HVDC Application	Jianzhong Xu	North China Electric Power University, China
90380	Circulating Current Model of Modular Multilevel Converter	Xiaofeng Yang	Beijing Jiaotong University, China
91824	Mathematical Model of STATCOM based on Switched System	Aihong tang	Wuhan University of Technology, China
90034	Real Power Transfer Capability Enhancement of Transmission Lines Using SVC	Md. Nazmus Sahadat	Bangladesh University of Engineering and Technology, Bangladesh
92256	Study of Stability Dynamic in a Multimachine Power System using Robust Controllers PSS and POD.	Ednei Miotto	Londrina State University, Brazil
91313	A Shunt FACTS Device for Tapping and Power Flow Control in Half-Wavelength Transmission Lines	Robson Dias	UFRJ - Federal University of Rio de Janeiro, Brazil
91798	Prospects of the Applying of UPFC in Modern Distribution Network	Aihong Tang	Wuhan university of technology, China
90625	Arc Imaging on Capacitive Current Interruption Using a Disconnecter with an Auxiliary Interrupter	Yajing Chai	Eindhoven University of Technology, Netherlands
91423	Comprehensive Evaluation of Regional Power Grid Power Quality based on Stepwise Scatter Degree Method	Sen Ouyang	South China University of Technology, China
91346	The Design of New Fuzzy Membership Function and Its Application in Power Quality Comprehensive Evaluation	Sen OuYang	South China University of Technology, China
92437	Analysis of an Isolated Half-Wavelength Transmission Line Submitted to Switching Maneuvers	Maria Cristina Tavares	University of Campinas, Brazil
92446	Analysis of the Energization Test of a Half-Wavelength AC Link Composed of Similar Transmission Lines	Elson Gomes	University of Campinas, Brazil

Paper ID	Paper Title	Author	Affiliation
91386	Failure Statistics and Condition Evaluation for Power Transformer Maintenance	Ekkachai Chaidee	Rajamangala University of Technology Lanna Chiangrai, Thailand
70278	Decision Support for SFM in South China	Yuan Sun	University Freiburg, Germany
91922	A Practical Robust Dispatch Algorithm for a Smarter Power Grid	Kwok W. Cheung	Alstom Grid Inc., USA
91360	Calculation of Human Body Suffered Electric Field under Ultra High Voltage Overhead Lines	Zhenguang Liang	Shandong University, China

Part IV Poster Sessions

I. Environment Protection and New Technologies

14:00 – 18:00, Mar. 27, Sunday

Paper ID	Paper Title	Author
90861	Experiment Study of the Pilot Ammonia SCR System in a Coal-fired Power Plant	Hong Xu
92229	Response of Multireservoir System on the Main Yellow River to Eco-environment Flow Change	Hongbo Zhang
91691	Fuzzy Probability Method-Based Assessment of Green Energy	Min Xiong
91124	Key Technique of Gas Sucking of "Three-Soft" Coal Bed and Its Application	Zhirong Wang
91152	Application of Chemical Desulfuring Technology to Groundwater of Mined-out Area in Coal Mine	Zhirong Wang
91061	Maximum Hybrid Entropy Interval Probability Assessment of Equipment Failure Due to Voltage Sags	Zeng Zhuolin
91106	Application of SOFCs to Electric Power System	Yanghua Liu
91282	A New Equivalent Circuit Model of Hybrid Supercapacitor with Aqueous Electrolyte	Zhao Yang
90073	Dynamic Mass Transfer Process of Activated Carbon Desulfurization on Fixed Bed	Yi Liu
90338	Experimental Study of the Reactivity of Ca-based Matters with SO ₃	Peng Chen
90489	Research on Physics and Mechanics Performance of Paste-Like Backfill in Coal Mines	Wenbiao Sun
90689	Flow Patterns of Pneumatic Conveying of Pulverized Coal in Horizontal Pipes for Pressurized Conditions	Qingliang Guan
91110	Kinetic Characteristics of Coal Char Combustion in Oxygen-enriched Environment	Jing Wang
91623	Analysis of Existing 300MW Power__ Plant with AA CO ₂ Capture	Xu gang
91634	Effect of Temperature on Mechanical Properties of PPS Filter Used in Thermal Power Plant Dedusting	Deqiang Chang
91773	Mechanism of Degradation of PPS Medium	Xie Yue
92074	Research on Performance Characteristics of a SOFC/GT Hybrid System under Part-load Operations with Two Control Modes	Wei Wang
91839	Study on the NO _x Emission Characteristics of the Co-combustion of Pulverized Coal and Waste Tyre	Mingyan Gu
90144	Experiment Study and Thermodynamic Analysis on Minerals Formation of Calcium-enriched Fly Ash of Power Plant	Jiao Youzhou
92019	Sensitivity Analysis and Evaluation for Carbon Dioxide Storage Coefficient in the Process of Oil Displacement	Hongjun Zhao
92066	Experimental Investigation on the Emissions of Pilot Stage of Double Vortex Combustor	Zhang Rongchun
91520	Understanding and Modeling NO Emissions From Adopting Variable Composition Air Diesel Engine	Sun Jun
90415	Study on the Flow Velocity of Groundwater Source Heat Well to the Impact of System's Efficiency	Yundong Ma
91633	Energy Saving Analysis of the FGD Fan System in Power Plant	Xu gang
91637	The Operation of Microgrid Containing Electric Vehicles	Tao Meng
91652	Dynamic Emission Characteristics of Micro-turbine Startup	Gang Ming
90383	Experimental Studies on Supercritical Water Oxidation of Glucose with a Transpiring Wall Reactor	Fengming Zhang

Paper ID	Paper Title	Author
91624	Syngas Production from Methane Using AC Gliding Arc Reactor	Guofeng Xu
92079	Thermo-Economic Study of Dual Source Heating/Air Conditioning System	Bi Qingsheng
90936	Research on State of Charge Estimation of Batteries Used in Electric Vehicle	Wang NianChun
90804	ThermoDynamic Analysis of Fluids for Transcritical Heat Pump Utilizing Low Grade Geothermal Source	Xuenong Qiu
90362	The Effect of Viscosity on the Heat and Mass Transfer of NH ₃ /H ₂ O Falling Film Absorption with Fe ₂ O ₃ Nanofluid	Liu Yang
90579	R&D Spillover Embodied in Imports and Energy Consumption Intensity in China: An Empirical Analysis Based on Panel Data of 32 Industries	Yuhua Teng
91174	Research and Comparison of Heat Transfer and Pressure Drop in Lubricant Cooler	Shuai Shi
91175	Numerical Study of Heat Transfer and Pressure Drop of Integral Pin-Fin Tubes	Shuai Shi
91435	Exergy Evaluation of Direct Sewage source Heat Pump System	Jianfeng Qian
90584	Experimental Investigation of Wind-driven Natural Ventilation in an Areaway-attached Basement	Zhen Bu
91592	A Numerical Simulation on Temperature Fields of Buried Heating Pipe's Fixed Anchorage and Its Surrounding Soil	Mingqing Cai
90368	Efficiency Optimization of a Direct Liquid-Feed Fuel Cell Subject to Various Operating Variables	Yu-Jen Chiu
90394	Simulation of Double-Stage Absorption Heat Pumps for Low Grade Waste Heat Recovery	Xiaojing Yang
90436	Experimental Investigation on a 600 MWe Supercritical Boiler with the Technology of Less-oil Ignition	Gonggang Sun
91301	Entropy Generation Analysis on Operating Parameters in Surface Water Freezing Latent Heat Exchanger	Jianfeng Qian
91407	Compatibility between Well Pattern and Fractures Orientation for Ultra-low Permeability Reservoirs	Qingyan Xu
92238	The Battery State of Charge Estimation Based Weighted Least Squares Support Vector Machine	Yongqiang Chen
92449	Investigation on the Capacity Expansion Method of Current 110kV Transmission Lines and Analysis on the Economic Benefit	Jiang Chen
90109	Combined Heat and Moisture Transport Structures in a Natural Vented Enclosure	GuiPing Bai
90442	Energy Conservation Study on the Industrial Boiler and Steam Kettle System	Jingdong Song
90958	Research on the ZVS-PWM Full-bridge Converter based on UC3875	Yufang Chang
91878	Numerical Investigation of Flow and Heat Transfer in Corrugated Sinusoidal Wavy Channel	Jixiang Yin
91186	Analysis and Improving Methods of Efficiency of Solar Energy in Municipal Heating System	Mingsan Ouyang
91925	Characteristics on Temperature Profiles of No- premixed Combustion in Porous Media	Guanqing Wang
90728	An Experimental Study on Water-steam two-phase Injector Performance	Bo zhang
91605	Research on Moisture Load and Pre-dehumidification Time of Capillary Pipe Plane Radiation Air-conditioning System	Juanjuan Sun
90486	Control and Performance of the Multiphase Inverter	Yu Fei
92433	A Novel Design and Experimental Study for a Two-Axis Sun Tracker	Farzin Shama
90050	Experimental Study of Non-thermal Plasma on Simulated Diesel Emissions	Xiaohua Li

Paper ID	Paper Title	Author
91473	Study of a Compact Dynamic Voltage Restorer for Micro Integrated Power System	Leping Bu
90052	Influence of On-grid Tariff Policy on the Coal Consumption of Power Generation Enterprises	Ze Ye
91356	Comparison on Automotive Air-conditioning Cooling Load Computation	Yining Sun
91860	Optimal Control of Operation Efficiency of Belt Conveyor	Shirong Zhang
92082	Research of System Adjusted Characteristics and the Grid CPS Control	Yefei Sun
90828	Optimization Output Voltage of SRG Wind Power Generation System	Xiang Liu
91576	Numerical Discovery of a New Mode Pitchfork Bifurcation for Natural Convection of Water Enclosed in Two Dimensional Rectangular Cavities	Xiaohua Wang
91265	Experimental Study of Solar Photovoltaic/Thermal (PV/T) System Based on Flat Plate Heat Pipe	Zhen Hua Quan
90602	BP Neural Network Prediction of Calcium-based Sorbent Calcination/Carbonation Cycle	Honewei Chen
92176	Investigation of Chemical Looping Combustion of Coal with Fe ₂ O ₃ Oxygen Carrier	Wang Baowen
92055	Effect of Heating rate on Chemical Looping Combustion of Coal with Fe ₂ O ₃ Oxygen Carrier	Wang Baowen
92010	Analysis and Implications of China's Carbon Trading	Ming Men
90686	Microwave-assisted Reforming of CH ₄ with CO ₂ over Activated Carbon	Longzhi Li
91608	Simulation and Optimization of Oxy-fuel Gas Cycle Power Plant with CO ₂ Capture	Qi Li
91701	Coal Combustion Characteristic and Its Structural Evolution under Oxy-Fuel and Air Environment	Qingzhao Li
91836	Study on Pulverized Coal Combustion in O ₂ /CO ₂ Atmosphere	Mingyan Gu
91289	The Combined Influence Assessment of Plantation Logging on Environment-resource-cost System Based on Grey Cluster Method	Jun-song Chen
92114	Low-carbon Power Dispatch Based on Evolutionary Algorithm with Adaptive Weight	Chengjiang Wang
91861	Analysis of Several Neglected Issues of Energy Situation and Suggestions on the Energy Stratagem	Yongjian He
91974	Different Regimes of First Order Fluid Model of Glow Discharge	Djillalia Guendouz
90068	Experimental Study on the Performance of an Air-fed Indirect Non-thermal Plasma System of DBD Type	Wenhe Han
90737	Trichel Pulse Characteristics in Negative dc Corona Discharge	Kefeng Shang
90465	Measurement of Transition Frequency of Composite Transmission Line Model	Dan Xia
92193	Study on the Electric Vehicles Ownership and Planning for the Construction of Charging Infrastructure	Hanwu Luo
90806	Intelligent Strategy on Coordinated Charging of PHEV with TOU Price	Yuehao Qiu
90079	Benefits Analysis of All Parties Participating in Demand Response	Ninghui Zhu
90484	Extra Matters Recognition of Transmission System Based on Hough Transform	Shujia Yan
90628	A Realities Model Simulation Platform of Wireless Home Area Network in Smart Grid	Yuejie Liang
92243	Design of Flexible and Ordered Charging System for Electric Vehicle in Intelligent Community	Tao Chen
90772	Transformer Overhaul Simulation System Design and Development	Xu kang
91725	Study on Intelligent Development of Power Transformer On-line Monitoring Based on the Data of DGA	Wenlong Zeng

Paper ID	Paper Title	Author
90006	Research on Construction of Landscape Eco-corridor in Disturbed Area of Hydraulic and Hydropower Engineering	WenNian Xu
92351	Research and Application on the Cloud-Computing-Based Power Dispatching IT Architecture	Liang Zhang
91036	Customer Friendly Distribution System Programming Considering the Uncertain Property of Voltage Sags	Jing Ma
91035	The Application of Electric Vehicles as Mobile Distributed Energy Storage Units in Smart Grid	Wang XiaoJun
92271	Investigation on the Construction Mode of the Charging Station and Battery-exchange Station	Yongxiang Liu
90468	Single-phase Permanent Fault Detection for Reactored EHV/UHV Transmission Lines	Shao Wenquan
90069	Alkali Migration During Corn cob Combustion in Fluidized Bed	Renping Liu
90303	Experimental Study on Thermal Treatment of Dioxins in Fly Ash from Medical Waste Incinerator	Xu Xu
90592	Mineralogy and Surface Properties of Melting Slag of MSWI Fly Ash in Swirling Furnace	Xuetao Wang
92178	Situation Analysis of Organic Rankine Cycle system for low-grade heat power generation in China	Liao Yongxi
90983	Making Suitable Fuel for Coal Burning Boiler from Black Liquor Using Ceramic Ultrafiltration Membrane	Liu Xuewen
91340	Numerical Investigation of Laminar Natural Convection in a Circular Enclosure with a Rectangle Cylinder	Han Wang
91636	Research on Corrosion Factors and Corrosion Prevention Measure of Carbon Steel in Produce Water of Reverse Osmosis in Power Plant	Jiayuan Hu

II. Management Track and Other Related Topics

14:00 – 18:00, Mar. 27, Sunday

Paper ID	Paper Title	Author
90124	Searching for Electricity Market Equilibrium Using Coevolutionary Computation Approach	Yan Yang
92222	System Design and Experimental Method of An Integrated Power Market Simulation System	Tan Ke
70397	New Path in Chinese SMEs' International Management--The superiority base on proprietary brands	Li Yu
70431	Behavior-Based Telecom Tariff Service Design with Neural Network Approach	Yongbin Zhang
70067	Strategic Planning of IS in an Organization	He Lingling
70347	Diversity and Dynamics of Social Responsibility	Li Zhongxue
70164	The Analysis of the Unburned Carbon in Fly Ash for Tangentially Pulverized Coal-Fired Boiler Based on Factor Analysis Method	Jun Li
70161	The Analysis of Influencing Factors for Combustion Stability on 300MW Tangentially Pulverized Coal Fired Boiler	Jun Li
70300	Numerical Simulation of Thick Oil-layer with Ultra-low Permeability in Changqing Oilfield	Yufeng Xie
70247	Customer Segmentation Methods Analysis Based on the Support-Significant Structure	Chang-shun Yan

Paper ID	Paper Title	Author
70212	Analysis on the Influence of Income, Capital and Labor on Energy Consumption in China	Chen Chunhua
70305	Research on the Air Dynamic of 1000MW Ultra-supercritical Lignite-fired Boiler	Xianfeng Fan
70254	Study on the Optimal Solar Fraction of Solar Water Heating System Combined with Heat Pump Unit for Hot Water Supply in Residential Buildings	Zhiwei Wang
70092	Industrial Utilization of Carbon Dioxide: Products and Processes for Environmental Sustainability and for the Obtaining of Economic Value	Giancarlo Santoprete
70315	Exhaustible Natural Resources and Garbage Dump What is Sustainable Development? A Dynamic model	Xu XueLiu
70128	Eco-efficiency Evaluation Indicator of Plantation Harvesting System and Its Improvement Based on Material Flow Analysis	Yao Zhao
70069	A New System for Resource Capability Evaluation	Jenny Xu
70109	Cost-Benefit Analysis of the Hiring Process	Cahit Ali Bayraktar
70172	Research on the Evaluation of Member Performance in Cartel	Lu Jihua
70176	Study on the Best Incentive Strength	Xiaohua Wang
70318	A New Approach to Branch Parameter Estimation of Power Grid Based On PMU	Su-quan Zhou
70288	Study on the Mechanism of Integrated Innovation based on Knowledge Spiral	Kong Fanzhu
70434	An Evolutionary Game Analysis of Mode Choice in Industry-University Cooperation	Yuanyuan Xie
70329	Research on the Measurement of Network Competence and Higher-order multi-dimensional Model	Weiming Li
70040	Impact and Enhance: Entrepreneurial Culture and Economic Growth	Xingzhi Xiao
70327	Research on the Local Government Financing Efficiency Based on Principal Component Analysis	Chuanming Fu
70382	An Empirical Study of Market Reaction of Mergers and Acquisitions of Real Estate Listed Companies in China under Complete Circulation	Hongyu Wang
70170	Growth Opportunities and Accounting Based Regulations (Evidence from Chinese SEOs Market)	Humera Shahid
70393	Active Portfolio Management Problems with Multiple Weights Constraints	Aifan Ling
70368	Knowledge Management-enabled Application of the Sustainability Balanced Scorecard	Jiani Wu
70157	Absorptive Capability and Policy Choices on Intellectual Property Rights in Developing Countries	Ting Liu
70244	Talent Strategy in the Context of Economic Globalization	Chao Li
70349	Quantitative Evaluation of Anthropogenic Impacts during the Course of Sandy Desertification in Arid Inland River Basin of Northwestern China: the Case of Zhangye Region	Qi Shanzhong
70362	Study on Assessment and Countermeasures of Energy Economic Sustainable Development in China	Zhao Yanna
70193	Social Responsibility with the Sustainability of Chinese Mining Communities - Issues and Actions	Li Zhongxue
70253	The Sustainability Research on the PPP Project Model	Zheng Yang
70119	Modelling heat transport in coastal aquifer incorporating tidal effects	Qinghua Wu
91598	Smart Grid Can Make Saudi Arabia Megawatt Exporter	Faisal Pazheri
91428	Study of Detection Method of the Waveform Compensation Component of UPQC with Improved p-q-r Theory	Tan Zhili

Paper ID	Paper Title	Author
90560	The Effect of Energy-saving and Environmental Flootation Agent for Coal	Xie Weiwei
91055	Experimental Study of the Influence of Addictives on Thermal Properties of Paraffin Mixtures	Quanying Yan
91066	Vibration Damper Recognition of Transmission System Based on Unmanned Aerial Vehicles	Yuan Liu
91895	Separation Mechanism and Design Principles of the Teetered Bed Separator for Cleaning Fine Coal	Youliang Chen
92252	Fe Promotion Effect in Mn-Zr-Fe/Al ₂ O ₃ for Low -temperature Selective Catalytic Reduction of NO with NH ₃	Xiaobo Wang
92389	Regional Sustainable Energy Development Evaluation System and Its Application Examples	Yinglin Yu
92486	Applications of the Equivalent Wind Method for the Aggregation of DFIG Wind Turbines	Zhaojun Meng
92498	Influence of Riser Exit Configuration on the Hydrodynamic Behaviors of a High-density Circulating Fluidized Bed Riser	Shengdian Wang
90416	Research on Damping Ratio and Off-resonant Degree of Compensation Network	Chen Zhongren
90732	The Effects of Polyacrylamide on Nano-aluminum/Water Reaction at Low Temperature	Yunlan Sun
90780	Research on Modeling Methods of Relay Protection System	Jingjing Zhang
91007	Actions for or Coal Enterprises to Shrink the Carbon Footprint	Jinke Li
91593	Effect of Heat Treatment on Water Resistance of Lignite Briquettes	Wang He
91680	Numerical Study on Flow Field and Heat Transfer Characteristics of Rectangular Impinging Jets	Liping Geng
92104	Research of Low-carbon Economy and Socially Sustainable Development	Zhang Juan
92325	The Overview of Protection Schemes for Distribution Systems Containing Micro-grid	Jian Chen
92495	Typical Characteristics of Gas Turbine-based CCHP System with Inlet Air Cooling	Fei Zeng
92502	A Mobile Agents Based Multi-Objective Optimization Resolution for Power Quality Problem Location	Jingchun Wang
92503	The Refrigerant Oil Return Speed Influence on the Design of Vertical U-tube Ground Heat Exchanger in the Direct Expansion Ground-source Heat Pumps	Yonghui Guo
92504	Experimental Investigation of the Performance of a Reversibly Used Cooling Tower Heating System Using Heat Pump in Winter	Jiasheng Wu
92506	Discussion on Smart Grid Development in China	Siming Li
91911	Research on the Multiple Collaboration Model of UIG Cooperation and Innovation Based on the Sustainable Development	Guo Xiaofeng
90103	Analysis on the Status of the Characteristics And Distribution of Industrial Water Pollution in China	Decheng Fan
90451	Analysis of the Ampacity Characteristic of Single-Core AC Cable Laid in Water	Ding Shuchun
90058	Nonlinear Variable Structure Control of CCM Buck Switching Converter	Hongbo Ma
92205	Modeling and Dimensioning of a Planar Inductor for a Monolithic Integration	Rabia Melati
90872	Numerical Study on Flow Dynamics of Gas-liquid-solid Three Phase Flow through a Channel	Li Zhihong
90095	The Study on Prevention of Rockburst when Mining in Folding Structure Areas	Guoxiang Chen
92091	Icing Scaling Method on Aircraft and Verification Test	Haili Liu
91786	Analysis on Water Allocation in Water Rights Trade	Dongbo Liu

Paper ID	Paper Title	Author
70389	Study on the Effects of Prestress and Initial Imperfection to the Ultimate Load Capacity	Zaigen Mu
70390	The Linear Optimization Based on Static Analysis of Lightweight FRP Mobile Bridge	Zaigen Mu
70452	Research on the Characteristics of Shenzhen Cross-border Consumer Behavior in Hong Kong	Peng Ju
70175	The Growth Risk, Resource Constraint and Way Out about Manufacturing in Suzhou	Yun Han
70354	Quality Control in Tunnel Construction, with Special Reference to the Application of the Observational Method	Jianqin Ma
70391	Financial Liberalization and Stability	Wu xin
70207	The Influence of Regional Culture and Value in Sustainable Development of Chinese Urban Residential Choice	Di Wu
70122	Rural Regional Development Disparity and Impact of Trade openness on Farmers' Non-farm Income	Jing Zhu
70268	The Comparison of Production Situation and Technical Efficiency of Grape between Open Field and Protected Cultivation in China	Changyang Ma
70185	The Relationship Study of Industrial Elements Input and Cluster-benefit	Xu Qiang
70386	An Empirical Study on the International Asset Allocation: based on Chinese Investors	Mei Yu
70400	The Empirical Study of VaR Model in the Margin of Chinese Stock Index Futures	Qian Lu
70364	Fuzzy Assessment on Risk of Deep Excavation Engineering	Feng Ren
70005	The Exploration on the Establishment and Function of the Regional Public Management Information Center	Lili Wang
70230	Event Values on the Length of Waiting Time or the Waiting Time Information	Chin-Wen Yang
70101	A Study of Consumer's Perception and Support Behavior of Corporate Social Responsibility	Yiren Dong
70439	Service Industry, Urbanization and Economic Growth	Zhang Ying
70098	Technology and Demand Forecasts for Renewable Energy Systems Using Conjoint Analysis	Li-hsing Shih
70432	The Development and Prospect of Urban Rail Traffic in China	Yiyi Jiang
70436	The Road Impacts on the River Landscape in a Typical Valley in Yunnan Province	Shiliang Liu
70222	Analysis on the Fidelity of Pedestrian Simulation Models	Xiaoxiong Weng
70030	Short Term Transportation System Management Measures Using GIS	Pachaivannan Partheeban
70335	Pollution Discharge Feature of Stormwater Runoff on Two Urban Underlying Surfaces and Treatment in Beijing	Wei Ouyang
70180	Sustainable In-Situ Water Resource Management Strategies in Water Scarce Urban Environment - A Case Study of Sino-Singapore Tianjin Eco City	Chengyao Peng
70403	Strategies for Sustainable Development of Free Trade Zones: A Case of WFTZ in Shanghai, China	Zhaoyi Shang
90978	The Environmental Management Incentive Policy of Oil and Gas Field Enterprises based on Sustainable Development	Min Han

III. Power Generation-Thermal Power, Wind Power and Solar Power

14:00 – 18:00, Mar. 27, Sunday

Paper ID	Paper Title	Author
90481	Control Study of Dual-BUCK Grid-connected Inverter Based on Least Squares Algorithm	Bin Wang
91015	Research of Multi-level Inverter in PVMS of Micro-grid	Genping Wang
90189	Research on Photovoltaic Grid-Connected Inverter Based on Fuzzy Hysteresis Current Controller	Jinfeng Gao
91874	Estimation of Solar Radiation for Greenhouse Production in China	Yiping Yao
90544	PV Power System Energy Control Research in Micro-grid	Yanfei Shen
91618	Development of a Solar LED Illumination Control System based on Variable Universe Adaptive Fuzzy PID Controller	Yiwang Wang
92005	The Design of Beam Splitter for Two-Stage Reflective Spectral Beam Splitting Concentrating PV/Thermal System	Shouli Jiang
92035	Sun Tracker Design based on AVR	ZhengMing Li
92076	A Research on Shading and LCOE of Building Integrated Photovoltaic	Zhaoyu Wang
90341	Study on Characteristics of Photovoltaic Cells based on MATLAB Simulation	Wang Nianchun
90970	Assessment of Shading Effects in Photovoltaic Modules	O. G. García
92414	Simulation of Grid-Connected Photovoltaic Power Plant Based on Fastest	Feng Li
90160	Research of Prediction and Modeling about Solar Cells based on Neural Network	Dong Deng
90249	Experimental Study of the Uniaxial Automatic Solar Tracking Device towards Sun Comparison with Fixed Bracket	Chen Xuexian
90820	An Approach of Parameters Calculation Based on Monocrystalline Silicon Photovoltaic Cells	Bo Wang
91243	A Novel Current Control Method for Grid Connected Photovoltaic System	Jingrong Yu
91872	Surface Texturisation of Monocrystalline Silicon Solar Cells	Ma Xun
90175	Self-adjusting Fuzzy MPPT PV System Control by FPGA Design	Ze Cheng
92151	Synthesis of Perylene Bisimide Derivatives and Poly(Triphenylamine-block-anthraquinone) For Polymer Photovoltaics	Manxi Zhou
90503	Estimation of Solar Radiation and PV Output Power in Cameroon	Abddoul Aziz
91614	Design and Study on Small Solar Energy Photovoltaic Hot Water System	Zhijun Mu
91761	Status and Prospect of Photovoltaic Utilization in Zhangjiakou City, Hebei Province, China	Xiaowen Ding
91909	Preparation of Cu(In,Ga)Se ₂ Thin Film by Non-vacuum Mechanochemical and Spin-coating Process	Ying Liu
91833	Development Application and Constraints of Photovoltaic Technology in China	Honglian Zhang
90259	Research on Fault Detection of PV Array Based on Data Fusion and Fuzzy Mathematics	Ze Cheng
90371	Method for Diagnosing Photovoltaic Array Fault in Solar Photovoltaic System	Xiaoli Xu
92401	A Novel and Practical Multi-loop Control Strategy for Photovoltaic Inverters Based on DSP	Renxi Gong
90712	Simulation of Two-level Photovoltaic Grid-connected System Based on Current Control of Hysteresis Band	Haiyang Zang
90854	A New Method of MPPT Control Based on the Model of Photovoltaic Array	Xiaolei Wang
91568	Development of a Test Platform for Grid Connection PV Systems	Xiangyang Zhao
91488	Analysis of Solar Aided Steam Production in a Pulverized Coal Boiler	Jun Zhao
92109	Effect Of Micronized Coal Reburning On NOX Reduction	Dandan He

Paper ID	Paper Title	Author
90180	Numerical Simulation on the Distribution of Particles Concentration in Scrubbing-cooling Chamber of Coal-water-slurry Entrained-flow gasifier	Xuan Wu
90990	Study on Additives for Wet Limestone FGD	Gao Yang
91529	Economics Analysis of Retrofit of Flow Passage of a 300MW Steam Turbine	Yang Shi
91913	Improving the Combustion Performance of a 660MWe Down-fired Utility Boiler by Adopting High Efficiency Combustion Technologies	Zhengqi Li
90033	The Analysis of Operation Regulation Based on Origin in the central Heating System	Meiping Wang
90356	Optimization Research on Nozzle Governing 600MW Steam Turbine Operation	Ling Li
90388	Numerical Simulation of Two Phase Flow with Evaporation in Supersonic Cross Flow	Shouzhen Rui
90483	Research about Influence of Imaginary Circle Diameter on Velocity Field near Burner Region	Yuxiao Zhao
90501	Heat Transfer Research on A Certain Gas Turbine Blade	Tieyu Gao
90606	Numerical Investigation of Different Burner Arrangement on a Coal-fired Boiler	Fei Xing
91077	Evaporation Parameter Investigation of Single Droplet Based on the Thin-film theory in High Temperature Converter Gas	Guang Jin
92308	Concentrated Radiation Measurement System for Solar Furnace	Zhe Dong
91339	The Application of Heat Pipe to Flue Gas Residual Heat System in Thermal Organic Media Furnace with Coal as Fuel	Lin zhang
91901	Study on Electric Characteristic of IGBT at Different Junction Temperature	Bo Wang
91987	Experimental Study on Voltage Breakdown Characteristic of IGBT	Bo Wang
90311	Equivalent Model and Analysis of Cogeneration Products Cost Allocation	Junli Zhang
91141	Study on Effect of Particle Rotation on Gas and Solid Flow Behavior in a CFB	Jianxiang Zheng
91281	Heat Transfer Performances of Molten Salt in Spirally Grooved Solar Receiver Tube	Lu Jianfeng
92056	Analysis to the Reliability of Evaporative Cooling Turbo generator in Power System	Xiong Bin
90047	Distribution, Character and Utilization of Lignite in China	Chunhui Zhang
91069	Power, Efficiency and Ecological Optimization for an Irreversible Braysson Heat Engine	Jizhou He
90873	Hydrodynamically Numerical Computation and Efficiency Correction on a Supercritical Pump with Complex Double-cases	Congxin Yang
91734	Numerical Simulation on the Interfacial Creep Failure of Dissimilar Welded Joint between T91 and G102 Heat-resistant Steels	Jianqiang Zhang
91984	An Experimental Study on The Following Behaviors of Near-wall Fine Particles in Turbulent Tube Flow	Tao Zhou
92268	The Exergy Analysis of Gas Turbine with Gas Path Fault	Zhang Renxing
92003	Application of Integrated Neural Network Based on MATLAB to Fault Diagnosis in Feed water Pump	Du Zhongqing
92435	Numerical Simulation of Combustion Processes in an ultra-supercritical Boiler	Zeng Lingda
92373	Development and Application of New type Centrifugal Cooling Fan on Electric Multiple Unit	Cui Libin
90835	The Investigation of the Airfoil for the Small Wind Turbine Based on the Seagull Airfoil	Qiao Limin
90495	A Survey on Recent Low Voltage Ride-Through Solutions of Large Scale Wind Farm	Wenming Gong
90937	Improvement of Transient Voltage Stability of the Wind Farm using SVC and TCSC	Hongfen Wei
91931	A Pneumatic System for Capturing and Storing Wind Energy in Egypt	ElSayed ElBeheiry

Paper ID	Paper Title	Author
90886	Numerical Computation and Analyses on the Blade Aerodynamic Performance of a Horizontal Axis Wind Turbine Rotor	Congxin Yang
91989	Computational Analysis of Vertical Axis Wind Turbine with Open-able Airfoil	Habtamu Tufa
91145	The Separation Method for the Equivalent Circuit Parameter of DFIG	Wang Jianliang
90563	Techno-economic Analysis of SVC-HVDC Transmission System for Offshore Wind	Kong Xiangyu
92242	New-type of Low-carbon and Energy-saving Toilets Based on Wind Energy and Hydropower Technologies	Hongjie Li
90618	A Review on Dynamic Equivalent Methods for Large Scale Wind Farms	Zhou H.Q.
91717	Numerical Simulation in the Wake of a Horizontal Axis Wind Turbine	Deshun Li
92121	Aerodynamic Optimization Design and Calculation of a 2MW Horizontal Axial Wind Turbine Rotor based on Blade Theory and Particle Swarm Optimization	Congxin Yang
91983	Nonlinear Control of Power limitation for Doubly-Fed Wind Power Generation System	Youfei Tian
91954	Investigation on Performance Influence of Maximum Thickness Position on Vertical Axis Wind Turbine Airfoil	Jianjun Qu
92052	Design and Aerodynamic Calculation of a Novel Sail	Xiangming Zeng
90146	Improved Load Flow model for Induction Generators Differentiating Stator and Rotor Circuits	Shenghu Li
90956	A Half-physical Simulator for Wind Turbine	Tianyi Ma
91304	Comparative Research on Methods of Calculating Weibull Distribution Parameters of Wind Speed	Wei Duan
91492	A Novel LVRT Control Strategy of DFIG based Rotor Active Crowbar	Lu Zhang
91795	A Wind Energy Conversion System with Field Modulated Magnetic Gear	G.Q. Bao
90149	Research of Switched Reluctance Generator Position Sensorless based on ANFIS by using Finite Element Analysis	Lingzhi Yi
90165	Simulation of Power System in Cape Verde with Simulink® considering Wind Farm	Luís Teixeira
90622	Comparison Between ARIMA and ANN models Used in Short-term Wind Speed Forecasting	Chen Ling
90812	Simulation and Analysis on Low Voltage Ride Through of Doubly-Fed Induction Generator	Lei Shi
91813	Analysis of Aerodynamic Performance of Vertical Axis Spiral Wind Rotor	Can Kang
91997	Experimental and Simulation Comparison for Timer Action Crowbar of Doubly-Fed Induction Generator	WenJun Chen
92013	Training Set of Support Vector Regression Extracted by Empirical Mode Decomposition	Zhu Xiaoxun
91377	Equivalent Model for Calculating Short Circuit Current of Doubly Fed Wind Generator under Uninterrupted Excitation	Zhengrong Wu
91904	Novel Method to Research Low Voltage Ride Through Characteristic of DFIG	Xin Zhao
91920	Novel STATCOM Control Strategy for Wind Farm Reactive Power Compensation	H.T. Wu
90578	Research on the Aerodynamic Load Experiment of MW Blade Model	DanPing Zhao
92384	Impacts of Large-Scale Wind Power Integration on Subsynchronous Resonance	Yi Tang
92334	Review of Generation Schedule Methods with Large-Scale Wind Power Integration	Bin Liu
92266	Research on the Wind Farm Reactive Power Compensation Capacity and Control target	Yanhua Liu
90586	An Induction Wind Power System with Grading Control of Capacitance and Load	Yunqing Xu
92087	Design and Simulation of Converter in Small Isolated Wind Power System	Xin Yao

Paper ID	Paper Title	Author
90291	Increasing Output Power of Switched Reluctance Generator With Three-level Power Converter	Peng Hanmei
92408	A Novel UPF Control Strategy of PMSG Based on Stator Flux Orientation	XuZhen Shen
90621	Rural Electrification in Jordan: Case Study-The Village of Ras Munif	Ghassan Halasa
91571	Comparison of Two Calculation Methods of Flicker Caused by Wind Power	Hui Xiao
92512	Analysis of Distributed Generation System based on Micro-grid and Its Impaction on Voltage Distribution	Hongen Tan
92513	Analysis of the Distributed Generation System and the Influence on Power Loss	Bo Wang
92514	The Research of Daily Total Solar-radiation and Prediction Method of Photovoltaic Generation based on Wavelet-neural Network	Hong Zhou
92087	Design and Simulation of Converter in Small Isolated Wind Power System	Xin Yao

IV. Power Generation and Power System Planning

14:00 – 18:00, Mar. 27, Sunday

Paper ID	Paper Title	Author
92294	Application Research on Spring Water Resources in Air-conditioning System	Yongan Li
92014	Research of Production Synthesized Gas from Biomass and Glycerol by Steam Reforming	Lixia Zhao
92320	Biomass Direct Chemical Looping Conversion in a Fluidized Bed Reactor with Natural Hematite as an Oxygen carrier	Fang He
91430	Effect of Salt Addition on the Emulsification of Bio-oil and Diesel	Qianqian Yin
90723	Experimental Study on Burning Mechanism of Sawdust-Corn straw Biology-molding Fuel	Hengtao Zhou
92071	Thermochemical Conversion Technology on Lignocellulosic Biomass to Liquid fuel: a critical review	Jinxing Peng
91154	Discussion on the Development of Forestry Bioenergy in East China Sea Areas	Jianfeng Zhang
90169	Game Analysis of Some Collection Strategies for Industrial Buyers in Agricultural Biomass Supply Market	Sun Jingchun
91270	Biomass Gasification in China	Weijuan Lan
90912	Expansion Planning of Wind-Biomass Co-generation System in The Micro-grid	Song Wang
90141	Design of Convergent Flow Channel Applied to Sediment Microbial Fuel Cells	Chin-Tsan Wang
91209	Performances Evaluation of Biomass Gasification and Synthetic Gas Co-firing in Coal-fired Boiler	Xiaotao Zhang
92341	Optimization of Transesterification of Beef Tallow for Biodiesel Production	Guizhuan Xu
91981	Pyrolysis Time Correlation for a Single Biomass Particle Exposed to High Temperatures	Yousef Haseli
92000	Study On Deep Geothermal Resources of Pingdingshan Mining Area	Dong Xianwei
91208	Long-term Deformation Control Theory of High Concrete Face Rockfill Dam and its Application	Zhou Wei
90221	Comparison of Rotor Earth Fault Protections in Three Gorges Hydropower Plant	Na Yi
91131	Numerical Simulation and Experimental Study of Coagulating Sedimentation after Addition Chemicals in the Radiant Sedimentation Tank	Guang Jin
90098	Potential Micro-hydropower Assessment in Mun River Basin, Thailand	Preeyaphorn Kosa
90796	Application of Genetic Algorithm on Hydroelectric Unit Load Optimal Distribution	Chen Tiehua
91197	A New Numerical Model for High Concrete Dam Cooling by Water Flowing and Application	Xiaolin Chang

Paper ID	Paper Title	Author
91809	Capture Width Study on a Pendulum Wave Energy Converter	Shouqiang Qiu
92008	The Calculation Model of Hydraulic Characteristics in Draft Tube Inlet Zone	Tianmao Xu
90391	Hybrid Gauss Points Integration Method For Explicit Dynamic FEM Analysis of Hydropower Underground Caverns	Zhiguo Zhang
91150	Waterhammer Analysis of Oil Transportation Pipeline Using Brunone-Vitkovsky Unsteady Flow Friction Model	Changjun Li
91584	The Effects of Test Section Length on Flooding in Vertical Narrow Rectangular Channels	Li Xichuan
92040	Study of Ground System of Hydroelectric Plant in Different Soil Conditions	Chen Fan
91666	Measurement-Based Composite Load Modeling with Dynamic Compensation	Xinglv Hong
91658	Short-term Load Forecasting based on Fuzzy Clustering Wavelet Decomposition and BP Neural Network	Xueping Pan
92153	A Study on the Space Distribution and Temporal Evolvement of Electric Power Load	Jiechao Zhang
91264	Discrete Fourier Transform Based Approach to Forecast Monthly Peak Load	Mojtaba Beiraghi
91181	Study on Weighting Function of Weighted Time Series Forecasting Model in the Safety System	Ying Jiang
91671	Load Identification Modeling With Improved Model	Liu Shujun
91460	Mid-Long Term Load Forecasting Based on Fuzzy Optimal Theory	Huang Jing
92141	Research on Analysis and Forecast of Power Demand Based on Changli Network	Ying Li
91287	Advanced Special Protection System Modeling for On-Line Applications	Lei Wang
91747	Modeling and Simulation for Traction Power Supply System of High-Speed Railway	Zhengqing Han
92227	The Simulation of Precipitation based on RegCM3 in Haihe River Basin	Yu Yingdong
91089	A High-Resolution Numerical Model for Simulation of 2D Flood Waves	Yuling liu
91092	Large Eddy Simulation of Flows Near A Groin in A Straight Open Channel	Wenli Wei
90692	Numerical Study on the Instantaneous Flow Behaviors of Clusters at the Wall of CFBs	Huanpeng Liu
91087	Numerical Solution of Water Quality For Yangtze River in The Vicinity of Nanjing City	Yuling Liu
90120	Theoretical and Numerical Analysis of Galloping of Bundle Conductors	Huabiao Zhang
90285	Application of Dynamic Equivalence Based on Coherency in South China Power Grid	Baozhen Zhang
90396	The Impact of Dynamic Load on 3-phase Short-circuit Current of Metropolitan Transmission Network	Wei Cao
91928	Establish of Accuracy Assessment Indexes of Power System Real-time Digital Simulation	Xiangxu Wang
91668	An Electric Energy Balancing Model in a Medium Enterprise Grid	Zhaojie Wang
91611	A Preliminary Communication Model of Smart Meter Based on IEC 61850	Nian Liu
92107	TSC Characteristics of Aged ZnO Varistors under Different Applied Voltage Ratios	Hang Cui
90839	Dynamic Simulation of the Overvoltage for Fault Current Limiter	Zhiping Yang
92139	Research on Medium Voltage Generator Grounding of Shipboard	Ningzhao Luo
90875	A Precisely Synchronized Platform for Observing the Lightning Discharge Processes	Nianwen Xiang
91750	Research on Lightning Performance of Quadruple Circuit Transmission Line with Dual Voltage 500/220-kV on the Same Tower	Xiaolan Li
91800	Back Flashover Protection Performance Analysis of 220kV Double Circuit Transmission Line	Wu Shuwen
91845	Research on Protection of Transformer from Very Fast Transient Over-voltage	Liu Qing
91660	Research on the Harmonic Transmission Characteristic and the Harmonic Amplification and Suppression in High-speed Traction System	Haitao Hu

Paper ID	Paper Title	Author	
92407	Research on a Novel Traveling-wave Protection using Mathematical Morphology for Transmission Line Unsymmetrical Grounded Faults	Liu Yipeng	
90191	Analysis on Soil Resistivity Measurement Based on CSAMT	Peng Qian	
90216	Research on Biodiesel Production Catalyzed by Immobilized Lipase	Bilin Lu	
90369	NO Adsorption over Powder Activated Carbon in a Fluidized Bed	Bing Li	
92085	Assessment of Instream Hydrologic Regime Alteration Induced by Hydraulics	Lidan Guo	
90196	The Problem and Countermeasures of Energy Utilization in China	zhang Xiaohong	
92274	An Evaluation of CO ₂ Emission Reduction Through Carbonation Technology	Moazzem Shadia	
91462	The Characteristics of Deep-seated Coal Seam in Wangfenggang Mine Huainan Coal Field	Ao Weihua	
91199	A Load Control Method of VSCF Wind Turbines in the Low Wind Speed	Gang Zheng	
91596	Assessment Method of Power System Catastrophic Events Based on Electric Network Dissection and Uncertain Measure	Zhen Cui	
91383	Reliability Evaluation for Complex Distribution System Based on the Simplified Zone Model and the Minimal Path	Huijia Liu	
92366	Research on Transmission Expansion Planning Based on Probabilistic Incremental Reliability Value	Lei Dong	
90665	Bi-level Reserve Requirement Optimization Based on Reserve Channel in Mixed Market	Liang Du	
90678	Transmission and Distribution System Reliability Evaluation Based on Three-State Weather Model	Liang Du	
91445	Uncertainty Assessment Method of Power System Catastrophic Accidents	Chao Ma	
91912	Transmission System Reliability Assessment Considering Multiple Circuits Transmission Lines Which Have Common Right-of-way	Lei Junzhe	
92216	A GIS Based Service-Oriented Power Grid Intelligent Planning System	Jiong Yan	
91336	A Group Multi-Criteria Decision-Making Method for Power System Skeleton Restoration	Wang Chunyi	
91450	Cloud Model Based Evaluation of Equipment Sensitivity to Voltage Sag	Hong Zhao	
92146	An Electricity Market Model Based on Extended Probabilistic Power System Production Simulation	Cheng Huang	
91892	Day-Ahead Power Grid Optimal Dispatching Strategy Coordinating Wind Power	Hao Zha	
92059	Stochastic Wind-Thermal Generation Scheduling Considering Emission Reduction: A Multiobjective Mathematical Programming Approach	Mojdeh Khorsand	Abdi
90825	Application of Web Services Dynamic Composition Based on Multi-agent in Power Quality Aided Service Platform	Yi Zhang	
91404	Reconfiguration in Distribution Systems Based on Refined Genetic Algorithm for Improving Voltage Quality	Zou Bichang	
90964	Low-Carbon Economic Development and Its Influence and Innovation in China Southern Power Grid	Lu Wang	
91688	Research on Probabilistic Power Flow of the Distribution System Based On Cornish-Fisher	Guikun Tang	
90516	The Semiconductor Character and Corrosion Resistance of Passive Film of 316L Stainless Steel (SS) and Nickel Alloy 800 Formed in Zinc Contained High-temperature and High-pressure Water	Shenghan Zhang	
90212	Experimental Study of Heat Transfer Enhancement of Lubricating-oil Cooler with Integral Pin-fin Tube	Guanglin Niu	
91694	Study and Assessment of Zry Cladding Oxidation Model under Severe Accident in PWR	Xingwei Shi	

Paper ID	Paper Title	Author
91765	Analysis and Comparison of Typical Solutions for Neutron Dynamic Equation with Six-group Delayed Neutron	Jin Ma
90643	Neutronics and Thermal Hydraulic Coupling Methods For the Nuclear Reactor Core	Salah Ud-Din Khan
91503	Preliminary Assessment of Mean Steam Line Break Accident in an Integral Pressurized Water Reactor(IPWR)	Salah Ud-Din Khan
91621	Safety Features comparative Study Between Advanced Boiling Water Reactor and Supercritical water-cooling Reactor	Handing Wang
92508	The Influence of Acoustic Velocity on the Space Charge Measurement by Pulsed Electro-Acoustic	Zhang Zongxin
90322	Performance of a Passively Cooled Fresnel Lens Concentrating Photovoltaic Module	Songping Mo
90027	A Modified Static Voltage Control Algorithm based on Optimal Multiplier Method and Dynamic Generation Characteristics	Bo Gong
91936	The Research on Deposition of Iodine Aerosol in The Severe Nuclear Power Plant	Yang Li

V. Power System Management and Power Transmission

14:00 – 18:00, Mar. 27, Sunday

Paper ID	Paper Title	Author
91295	Research on Feasibility of Composite Load Modeling Based on WAMS	Yanhui Xu
91964	The Application of Vegetation-Growing Concrete Base Material Slope-Protected Technique for the Sustainable Development of Energy Constructions	WenNian Xu
91899	Multi-agent Based Wide Area Backup Protection for Series Compensated Lines	Zhiqin He
90848	A New Method of Distributed Generation Optimal Placement Based on Load Centroid	Xiaobo Tang
92349	A Study on PSS Parameters Optimizing for Multiple Low Frequency Oscillation Modes	Haojing Wang
90155	Analysis of Phase-shift Full Bridge ZVZCS Converter	Ziqiang Xi
90674	Design of Sliding Mode Controller for Generator Excitation	Wang Renming
92016	Bifurcation Analysis of the Adjoint System	Xiuli Zhu
90774	Analyzing of Compensating of Quality in Mine Gate	Gao Xin
92427	New Gain-scheduling Sliding Mode Controller for Permanent Magnet Synchronous Motor System	Wei Wang
92416	Artificial Neural Network-Based Controller for Permanent Magnet Synchronous Motor Servo System	Xiaoguang Qu
92474	Fuzzy PI+Fuzzy ID Controller for PMSM Servo System	Wei Wang
91119	Generation of Optimal Voltage Reference for Digital Control-Based Switching Power Supply	Seiji Hashimoto
90748	Research on a New Controller of the Paralleled Bi-generator System in Watercraft	Wang Xiaona
90457	Engineering Approach to Finite Curved Conductor-dielectric Periodic Screen	Lin Li
91194	A Novel Traveling Wave Based Differential Protection for Distributed Parameter Line	Jing Cai
91629	Magnetic Field Analysis and Circulating Current Computation of Air Core Power Reactor	Xiuke Yan
91951	Complex Domain Analysis Method Based on EM Waving for Transmission Line Transient Faults	Chao Pan
91606	Based on the BEM of Internal Electric Field Simulation of Shunt Dry Reactor	Xin Mei
91673	Shunt Power Capacitor Electric Field Simulation	Ziming Su

Paper ID	Paper Title	Author
92330	Calculation of Telluric Current in Geomagnetic Induced Problems Using the Finite Element Method	Kangliang Shang
91217	Modeling of PWM Drive Motor System CM Noise Source	Yaxiu Sun
91686	Analysis of Measurement Error on Impulse Current System	Wei Sun
91358	Simulation of Electromagnetic Field of Indirect Electrostatic Discharge Test by Using the FDTD Method	Zhenguang Liang
91037	Multi-uncertainty Evaluation of Failure Probability of Sensitive Equipment Due to Voltage Sag	Xuejing Liao
91039	Customer Satisfaction Degree Based Analytical Interval Assessment of Voltage Sag	Zhijian Yuan
91697	Traveling-wave Starting Algorithm Based on Least Square Method	Renwang He
91613	Reactive Power Compensation System Electromagnetic Transient Simulation	Long Yue
91469	Research on Modulation Technology for Novel Single-phase Inverter Source	Wang Shuwen
92125	SVPWM Realization and Application on Passive Network	Yuxi Wang
92047	Multi-objective Current Quality Compensator with Cascade H-bridges	Yukun Liu
90411	Development of ± 50 kvar DSP-controlled PWM VSC-based DSTATCOM with Direct Current Control	Daliang Yang
91195	Research of Improved Iterative DFT Method in Harmonic Current Detection	Yu Yilin
91848	Modeling of Gao-Zhao HVDC with Deicing Function and its Operation Analysis Based on EMTDC	Huifan Xie
91225	Study on the Operation Area of the 100Hz Protection in an HVDC System	Li Zhikeng
91604	A Commentary on Voltage Stability of Multi-Infeed AC/DC System with VSC-HDVC	Yanfang Wei
92158	A New Permanent Magnetic Operating Mechanism for Bi-stable Vacuum Circuit Breaker	Fa Wang
91889	Nonlinear Control of Asynchronous BTB-Link	Y.H. Liu
90232	A Calculation Method of Harmonic for Multi-Infeed Direct Current	Junlei Liu
90832	Effect of DC Bias Current on Group-type Transformer and Its Restraining Measures	Wei Jiang
90859	Influence of DC Bias to Transformer and Its Suppression Measures	Huazhu Du
91400	Impact of Short-Circuit Ratio Change to HVDC Operating Characteristics	XiaoJiang Liu
92287	Research of HVDC Converter Firing Control System Modeling based on PSCAD and HiDraw	Lingfei Xiong
91254	Study on the Improved Harmonic Detection Algorithm Based on FBD Theory	Juan Zhou
92285	Research on The Selection Method of DC Links Termination At AC Locations	Heng Cai
91753	Nonlinear Control Parameters Optimization of Multi-infeed AC/DC System Based on Normal Form Theory	Xiu Yang
90438	The Implementation of A New Scheme based on Integrated functions of back-to-back Power Grid Synchronization Parallel and UPFC	Jiajun Liu
90019	A Novel Power Quality Compensator for Negative-sequence and Harmonic Currents in High-speed Electric Railway	Fang lu
92303	Research on Harmonic Characteristics of UHVDC	Kang Wang
92060	Investigation on Aerodynamic Coefficients of Iced Quad-Bundled Conductor	Mengqi Cai
91739	Study on Integration and Compatibility of IED in Digital Substation	Xu Zhichao
92232	Study on Anti-Interference Criterion for Numerical Relay	Zhengqing Han
91645	Study on Protection Scheme for Traction Transformer of High-Speed Railway	Zhengqing Han

Paper ID	Paper Title	Author
91778	An Identification Method of Abnormal Patterns for Video Surveillance in Unmanned Substation	Yinghui Kong
90187	The On-line Detecting Method for Transformer Loss	Guohui Hu
90823	Study of On-line Detecting System for Capacity and Loss of Distribution Transformer	Rui Zhu
92032	Comparative Analysis of CCHP Systems Based on Different Gas Turbine Cycles Applied in North of China	Wei Wang
90574	Analysis of Vibration Failures Caused by Imbalanced Mass of Machinery under High Speed Rotation	Yabin Tian
91817	Research Progress and Development Trend of Smart Transmission Line Technologies	Mengyao Yang
92369	Probabilistic Load Flow Analysis Considering Power System Random Factors and Their Relevance	Lei Dong
92375	The Development, Problems and Countermeasures of Solar Cells in China	Yiyi Jiang
91816	Study on the Application of MEC in Unit Commitment	Liu Qing-song
92239	Fuzzy Comprehensive Evaluation for Injection-Production Effectiveness in Medium-High Water Cut Stage	Wei Zheng
91883	Grey System GM (1,1) Model in Power Enterprise Assets Valuation	Yu Cuifang
91885	Performance Evaluation of Power Supply Enterprises on the Basis of Circular Economy	Yu Cuifang
90700	Simulation of Aircraft Fuel Thermal Management System based on Simulink	Shuang Liu
90697	Power System Harmonics and Unbalance Distribution Calculation Based on Measurement	Xilu Zhang
91071	Research and Simulation of Active Power Factor Correction Based on the Three-phase Rectifier	Su Wang
91827	Identification of Low-frequency Oscillations in Power Systems Based on Improved HHT	Yanfeng Ma
91940	Mains Synchronisation for Thyristor Rectifiers	Bhaba Priyo Das
90135	Research on SOC Hybrid Estimation Algorithm of Power Battery based on EKF	Wu Tiezhou
92378	Development of Virtual Monitor& Control System of Steam Power Plants Simulator	XinKai Liu
91138	The Effect of OLTC on Static Voltage Stability Limit	Shanshan Zhu
91248	Application of Grey Relational Theory in Transformer Fault Diagnosis	Wenping Chang
90776	An Efficient Time-of-Use Pricing Model for a Retail Electricity Market Based on Pareto Improvement	Liao Yingchen
90596	Hypothesis on Kuznets Curve of Regional Energy Consumption in China	Li Li
91353	High-resolution Sequence Stratigraphy in the Lower Member of Es2 in Shanghe Oilfield	Lihua Gao
91897	Experimental Study of Submerged Water Jet Flow with PIV	Yazhu Zhang
91245	Risk Modeling in Strategic Behavior and Equilibrium of Electricity Markets with Wind Power	Xiaoning Kang
92306	The Studying of the Operation Mode of the Solar-Air Dual-Source Heat Pump	Chao Zhang
91426	The Line Loss Calculation of Distribution Network based on Power GIS	Li Kaiyang
92101	Topological Structures of Shipboard Power System's Contribution to System's Reliability	Shaoguang Jiao
90754	The Measurement of the Super Transient Reactance in View of Stator resistor	Jiang Xiaoyi
90594	The Impact Factors of Regional Energy Intensity in China	Li Li
91484	Estimation of Failure Cost in Life Cycle Cost of Power Equipment	Guihua Qiu
91956	Application of Cooperative Game Theory to Benefit Allocation of Interruptible Load Management	Zhang Shaohua
91437	Distribution System Fault Location Considering Voltage Sag Characteristics	Tianwen Zheng

Paper ID	Paper Title	Author
92484	Research on Electric-Vehicle Charging Station Technologies Based on Smart Grid	Deng Benzai
92143	A Novel Method for Optimal Placement of STATCOM in Distribution Networks Using Sensitivity Analysis by DIGSILENT Software	Abouzar Samimi
91547	Research on the Model of ESDD and NSDD Calculating with Horizontal and Vertical Polarization Modes Radiometer	Bin Zhang
90761	Calculation and Analysis of Polarity Reversal Electric Field in Valve Winding End of Converter Transformer	Yan Li
90423	Overvoltage Simulation of Circuit Breaker switching off Shunt Capacitor Banks	Shunping Feng
91074	A Combined Power Filter with 2-Stage SPD and the Simulation Analysis in Time Domain	Zicheng Li
92314	An Improved Current Differential Protective Principle of UHV Transmission Line	Qiao Yan
92374	Oil-flow Electrification Phenomenon in EHV Power Transformers and Restrain Measures	Hanmei Hu
91550	Advanced Metering Infrastructure System Architecture	Mehdi Arian
91275	The Application of Self-healing Technology in smart grid	Xiang Gao
90445	Sensitivity Analysis of Cable Conductor Temperature Calculation to the Environment	Jian Ganyang
90460	Study on Relationship Between Thermal Conductivity and Core Temperature of Power Cable	Li Yinghong
90374	The Vortex-shedding Induced Vibration of Transmission Steel Tubular Tower	Jingbo Yang
92202	Calculation of Power frequency Electric Field in HV Substation Using BEM	Ling Tang
90014	Research on No-load Test of 1000kV Ultra-high Voltage Transformer	Yunfei Wu
91067	Study on Compensation for Secondary Arc Current on UHV Double-Circuit Lines	Lei Chen
92358	Calculation Methods of Direct Lightning Shielding in ± 800 kV Converter Station	Jianbin Luo
91446	New Algorithm for Adaptive Single-phase Reclosure on EHV Transmission Lines	Shao Wenquan
92510	Research on Indicators of Early Warning in Low Frequency Oscillation Based on Energy Function Theory	Yong Huang
91448	Maximum Power Point Tracking Strategy for Direct Driven PMSG	Mingxing Zhou
90431	Analysis of Improved Shipboard Power Flow Calculation Based on Component Modeling	Lei Shi

VI. Power System Monitoring and Optimization

14:00 – 18:00, Mar. 27, Sunday

Paper ID	Paper Title	Author
91452	Charging-Transient Based SLG Fault Location in Neutral-Unearthed Distribution System	Wenhai Zhang
91700	Research and Development of Solid Static Transfer Switching for Duplex Feeding	Shujun Yao
90570	The Research and Application of Source-side Maintenance in Smart Substation based on IEC61850 and Wide-area Control	Yuqing Gong
91463	The Distribution Supervisory System of Computer in Substation of 500 KV	Bin Zhao
90229	Determination and Numerical Studies for Insulation Interfacial Pressure of HV Cable Termination	Ma Yongqi
90005	Analysis and Discussion of SF6 Byproducts in Simulated Electric Equipment of Overheating Faults in Low Humidity	Yu Wang
92249	Flashover Mechanism and Prevention Measures of Polluted Insulators in Power System	Daxing Wang
90183	Transformer Fault Diagnosis using Frequency Response Analysis - Practical Studies	Hormatollah Firoozi
90951	PD Detecting during the Growth of Electrical Trees in HV XLPE Cable	Heng Sui

Paper ID	Paper Title	Author
92118	Temperature Distribution Analysis of Single-Phase GIS Bus	Xiaowen Wu
90245	Mechanism of Oil Flow Electrification in Transformers	Xie Xuejun
90917	Development of an Power Transmission Line Online Monitoring System	Qiping Yang
90021	Fault Identification of Turbine Generator Rotor system Based on Spectrum Monitor and Analysis	Zhou zhengxin
90421	An Islanding Detection Method for Grid-Connected Inverter of Distributed Renewable Generation System	Wen-Yeau Chang
90633	Improved Algorithm for Correlation Dimension in Vibration Signal Fault Diagnosis	Biqiang Du
90980	Method for Voltage Sag Disturbance Source Location by the Real Current Component	Jie Gao
91862	Development of On-line Monitoring System of Substation Power Equipment Based on IEEE1588 Standard	Fu Qincui
90184	Detecting the Capacity of Distribution Transformer based on an On-line Method	Guohui Hu
91142	Design of Monitoring Detection System of Generator	Tang Ping
91907	Design and Application of Wind Farm Fault Diagnosis System	Chenglong Ma
91948	Study on Moisture in Oil-paper Insulation by Frequency Domain Spectroscopy	Guo Wei
92171	Study on the On-line Measurement System of Key Components for Shield Machine	Huang Ke
91626	Research on the Component Current and Voltage Phasor Diagram at Fault Point in Microcomputer Protection	Jihong Wang
90841	Study on Electricity Sub-metering System of Campus	Ziqiang Xi
91679	The Research on Fault Restoration Considering Distributed Generation Based Particle Swarm Optimization	Yixiong Yan
92174	Diagnosis of Voltage Instability Using BSDC Index in the Presence of Voltage Dependent Loads	Shahriar Abasi
92166	Development of Wind Turbine Gearbox Data Analysis and Fault Diagnosis System	Fengtao Wang
91170	Overhead Contact System On-line Monitor Technology Based on Wireless Sensor Network	Xie Jiangjian
90777	New Photoacoustic Detection Method for Acetylene Dissolved in Transformer Oil	Yuxin Yun
90377	Online Monitoring of Wind-induced Vibration of Transmission Steel High Tower	Jingbo Yang
92214	Optimization and Analysis of Operation Strategies for Combined Cooling, Heating and Power System	Zhengyi Li
91579	The Improved Current Detection Algorithm based on Instantaneous Reactive Power Theory under Nonsinusoidal Voltage Condition	Xiaobin Zhang
91293	Effect of Load Model on Yunnan Power Grid Transient Stability	Yanhui Xu
90089	Transient Stability Online Simulation by Symplectic Runge-Kutta Method and FGMRES Solver	Wang Fangzong
92034	Optimal Management of MicroGrid based on a Modified Particle Swarm Optimization Algorithm	Chunxia Dou
91003	The Study of Coupling Law of Stress field / Seepage Field in Permeable Stratum Medium	Zhou Zhijun
90324	An Interior-Point Filter Algorithm For Reactive Power Optimization	Shuo Yang
90529	A Power Flow Tracing Method Based on the Circuit Analysis of Power Supply Path	Zhijiang Qu
91075	Application of Ant Colony Algorithm in Generator Dynamic Parameter Aggregation	Zhang Yidi
91350	Temporal and Spatial Distribution Characteristics of Frequency and the Research of a new Under-Frequency Load Shedding	Na Jin
92133	Review and Research Trends on State Estimation of Electrical Power Systems	Weiguo Li

Paper ID	Paper Title	Author
92135	An Improved Particle Swarm Optimization Algorithm for Reactive Power Optimization	Ran Li
92221	Improved Sequential Quadratic Programming Algorithm of Reactive Voltage Optimization	Ke Wang
91723	Study of Chinese Coal-Mine Disaster	Mingxia Zhao
91937	Optimal Allocation of Switches in DG enhanced Distribution Systems	Chai Weiwei
92044	Review of Dynamic Dispatch Research Considering Intermittent Power Generation	Xiaoran Wei
92430	Loop-based Coding Reactive Tabu Search for Comprehensive Optimization in Distribution Networks	Jiachuan Shi
91412	Method for Optimizing the System of Production Well	KaoPing Song
91357	Huimin Brush Structural System and Its Influence on Sedimentation and Reservoir Formation	Zuozhen Han
91411	Method for Evaluating the Effect of Petroleum Production	Jicheng Zhang
92236	A Research of On-Line Static Security Analysis Based On WEB Services	Peng Xu
91409	Optimization and Simulation of Vehicle Powertrain System Based on Orthogonal Experimental Design	Xiaohong Yuan
91643	A Novel Voltage Control Area Partitioning Algorithm based on Energy Sensitivity Matrix and Multi-Threshold Search Route	XueJing Liao
91683	The Analysis of Distribution System with Photovoltaic System Generation Based on Probabilistic Power Flow	Ruixiang Fan
90877	A New Strategy for Power System Harmonic Analysis Based on $N=L \times 10M$ -Point DFT	Haijun Li
91402	An Optimum Allocation Method of Power Quality Monitors by Considering Voltage Dip	Xiaoqian Dai
91123	Application of REI Equivalent in Reactive Power Optimization Control in Regional Power Grid	Zhi Li
90706	On Impact of the Different Models of Generation System to Power System Dynamic Security Region	Jin Li
91706	Research on Distribution Network Failure Reconfiguration Considering Distributed Generation	Zhi Yan
91325	Impacts of Distributed WTGs on Distribution System Reliability	Haoming Wang
92482	An Improved Newton Load Flow for Distributed Generation Based on Different Control Strategies	YongLi Zhu
91776	A Novel Adaptive Partitioning Method for Wide Area Protection	Zhenxing Li
91826	The Method for Online Identification of Low-frequency Oscillations in Power System	Pu Zhang
90118	Application of Kalman Filter Method Based on Model Optimization Method in the Dam Deformation Forecast	Fumin Lu
91457	A Simulated Training System of Power Based on Interaction between C# Programs and Simulink	Leping Bu
91464	Research on Transmission Rules of Faults Features of Induction Motors in the Driver System	Xinguo Hou
91659	Development of A Novel Circuit Breaker Closing Resistance Instrument	Jun Chen
92419	Research on the Effects and Evaluation Method of Transmission Line Tower Grounding Collection caused by DC Current	Chi Wu
91471	Simulation and Analysis of the Reliability of the Cloud Model-based Automatic Environmental Monitoring System	Ying Shao

Paper ID	Paper Title	Author
91475	The Rotor Fault Diagnosis Method of the Induction Motor Based on the D-S Evidential Theory	Leping Bu
91941	The Study of Bearing Vibration of Large-scale Centrifugal Ventilator Forecast Based-on Support Vector Autoregressive	Xingwei Wu
91218	Network Security Risks in Power System and Corresponding Strategies	Jianlei Feng
90443	UPC-32 Instrument Sequence Control based on LabVIEW	Guanling Chen
90808	Research on Comprehensive Evaluation of Regional Power Quality Based on Multistage Extension Method	Guoqing Weng
91968	Research and Realize of Conversion between Auxiliary System Protocol and IEC 61850 in Smart Substation	Yangang Ma
91970	Application of Substation Monitoring System Development Based on QFD	Haifeng Wang
91972	The Design and Implementation of Information Integration Platform Configure Software Based on Qt	Hongxiang Pan

Part V Instructions for Presentations

Oral Presentation

Devices Provided by the Conference Organizing Committee:

- Laptops (with MS-Office & Adobe Reader)
- Projectors & Screen
- Laser Sticks

Materials Provided by the Presenters:

- PowerPoint or PDF files

Duration of each Presentation:

- Regular Oral Session: 15 Minutes of Presentation, 5 Minutes of Q & A
- Plenary Speech: 30 - 35 Minutes of Presentation, 5 Minutes of Q & A

Poster Presentation

Materials Provided by the Conference Organizing Committee:

- X Racks & Base Fabric Canvases (60cm×160cm, see the figure below)
- Adhesive Tapes or Clamps

Materials Provided by the Presenters:

- Home-made Posters

Requirement for the Posters:

- Material: not limited, can be posted on the Canvases
- Size: smaller than 60cm×160cm
- Content: for demonstration of the presenter's paper

Requirement for the Presenters:

- Stand beside his (her) Poster through the Session, and discuss with the readers about his (her) paper



Part VI Hotel Information

About Hotel

Optics Valley Kingdom Plaza, Wuhan centrally located in the heart of Optics Valley, Wuhan, China, with the beautiful East lake Scenic Spot and Desheng Mountain. Situated on landscape road of East Lake, it will become another landmark at the bank of East Lake.

Address: No.1 Wujiawan, Hongshan, Wuhan, Hubei, P.R.China

URL: <http://www.whkingdom.com>

Tel: +86 27 87887788

Fax: +86 27 87881188

E-mail: kingdomplaza@whkingdom.com

How to Get to the Hotel

Tian He Airport: 45km, 90 minutes ride

Railway Station: 8km, 30minutes ride

(The above traffic information is for your reference only)

For non-Chinese author, please show the following info to the driver if you take a

taxi:

请送我到: 湖北省武汉市洪山区吴家湾特1号 武汉光谷金盾大酒店

Part VII Tourism Information

Schedule:

8:00 Meet the travel agency

8:30-9:45 **Wuhan University** -is widely known for its most beautiful campus in China with more than one hundred years of history. The university has rolling physical features with the scenic LuoJia Hill and the beautiful East Lake by its side. Wuhan University is directly under the ministry of education key comprehensive university, as well as the national 985 project and 211 project key construction universities.

10:00-11:40 **East Lake** -is China's largest lake within a city. The lake covers 33 square kilometers and stretches far into the distance. Ancient pagodas and temples scattered in 34 verdant hills around the lake make the scenic spot more historic and imposing. You'll enjoy yourself in Tingtao Pavilion and Moshan Hill.

12:00-13:00 Lunch

13:00-15:00 **Hubei Provincial Museum** -holds more than 20 million pieces of cultural relics, including class A heritage 640 (sets), national treasure 16 (sets). It exhibits pottery, porcelain, bronze ware, Qimu, Bamboo Slips, ancient musical instruments, ancient scroll, bronze sword of Gou Jian (King of Yue), spears and bronze carvings of King Fu Chai and so on, which are of high historical, scientific and artistic value.

15:00-17:00 **The River Beach Park ("Jiangtan Gongyuan" in Chinese)** - is located along the Changjiang River in Wuhan. It is divided into three areas: Sightseeing Area, Center Square Area, Relaxation Activity Area. There are green trees, beautiful flowers, statues and sculptures in the park. It is a good place for the people to come for relaxation. The following destination is **Pedestrian Street of Jiangnan Road**, which is a famous business road with more than a hundred years of history.

Wish you a pleasant trip in Wuhan!

Contact Us

APPEEC Organizing Committee

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