

Table of Contents

Part I APPEEC 2010 Conference Schedule.....	1
Part II Plenary Speeches.....	5
Plenary Speech: The Smart Grid and Its Opportunities & Challenges	5
Plenary Speech: Electric Vehicles and Smart Grid	5
Plenary Speech: The Development of Modern Power System and Power System Technology	6
Part III Oral Sessions	7
Oral Session 1: Thermal Power Technologies and Applications (1).....	7
Oral Session 2: Wind Power, Geothermal and Tidal Wave Energy (1).....	7
Oral Session 3: Bio-Energy Technologies, Process and Utilization	8
Oral Session 4: Smart Grid.....	8
Oral Session 5: Power System Management Technologies.....	9
Oral Session 6: Power Transmission Technologies.....	10
Oral Session 7: Power System Monitoring (1).....	10
Oral Session 8: Load and Control of Power System (1).....	11
Oral Session 9: Power System Planning, Operation and Optimization (1).....	11
Oral Session 10: Hydropower, Solar Power and Nuclear Energy	12
Oral Session 11: Thermal Power Technologies and Applications (2)	12
Oral Session 12: New Technologies and Design for Energy Efficiency	13
Oral Session 13: Power System Monitoring (2).....	14
Oral Session 14: Load and Control of Power System (2)	14
Oral Session 15: Power System Planning, Operation and Optimization (2).....	15
Oral Session 16: Wind Power, Geothermal and Tidal Wave Energy (2)	15
Oral Session 17: Environmental-Friendly Technologies	16
Oral Session 18: HVDC and Flexible AC Transmission System.....	17
Part IV Poster Sessions.....	18
Poster Session 1	18
Poster Session 2	22
Poster Session 3	26
Poster Session 4	30
Poster Session 5	34
Poster Session 6	38
Poster Session 7	42
Part V Instructions for Presentations.....	46
Part VI Hotel and Contact Information.....	47

Part I APPEEC 2010 Conference Schedule

Registration March 28~31, 2010

08:30 - 20:00	March 28	
08:30 - 18:00	March 29	
08:30 - 18:00	March 30	Location: Lobby, 1 st floor, Crowne Plaza Chengdu
08:30 - 14:00	March 31	

Monday Morning, March 29

Time	Activity	Location: Ballroom ABC, 3 rd floor, Crowne Plaza Chengdu
08:30-9:20	Opening Ceremony	
09:20-11:40	Plenary Speech: The Smart Grid and Its Opportunities & Challenges Speaker: Prof. Saifur Rahman (Virginia Tech., USA) Time: 09:20-10:00 Coffee Break Time: 10:00-10:20 Plenary Speech: Electric Vehicles and Smart Grid Speaker: Prof. C. C. Chan (University of Hong Kong, Hong Kong) Time: 10:20-11:00 Plenary Speech: The Development of Modern Power System and Power System Technology Speaker: Prof. Xiaoxin Zhou (China Electric Power Research Institute, China) Time: 11:00-11:40	

Monday Noon, March 29

12:00 – 13:30	Lunch Buffet	Location: 2nd floor, Crowne Plaza Chengdu
---------------	---------------------	---

Monday Afternoon, March 29

Time	Activity (Coffee Break 15:40 – 16:00)	Location: 2nd and 3rd floor, Crowne Plaza Chengdu
14:00 – 18:00	Oral Session 1: Thermal Power Technologies and Applications (1)	Ballroom B, 3 rd floor
	Oral Session 2: Wind Power, Geothermal and Tidal Wave Energy (1)	Ballroom C, 3 rd floor
	Oral Session 3: Bio-Energy Technologies, Process and Utilization	Huanhua Room, 2 nd floor
	Oral Session 4: Smart Grid	Zongfu Room, 3 rd floor
	Oral Session 5: Power System Management Technologies	Zengliu Room, 3 rd floor
	Oral Session 6: Power Transmission Technologies	Yinzhu Room, 3 rd floor

Monday Evening, March 29

18:30 – 20:00	Welcome Banquet	Location: Ballroom ABC, 3rd floor, Crowne Plaza Chengdu
---------------	------------------------	---

Tuesday Morning, March 30

Time	Activity (Coffee Break 09:50 – 10:10)	Location: 2 nd and 3 rd floor, Crowne Plaza Chengdu
08:30 – 12:00	Oral Session 7: Power System Monitoring (1)	Huanhua Room, 2 nd floor
	Oral Session 8: Load and Control of Power System (1)	Zongfu Room, 3 rd floor
	Oral Session 9: Power System Planning, Operation and Optimization (1)	Zengliu Room, 3 rd floor
	Oral Session 10: Hydropower, Solar Power and Nuclear Energy	Yinzhu Room, 3 rd floor
	Oral Session 11: Thermal Power Technologies and Applications (2)	Ballroom B, 3 rd floor
	Oral Session 12: New Technologies and Design for Energy Efficiency	Ballroom C, 3 rd floor

Tuesday Noon, March 30

12:00 – 13:30	Lunch Buffet	Location: 2 nd floor, Crowne Plaza Chengdu
---------------	---------------------	---

Tuesday Afternoon, March 30

Time	Activity (Coffee Break 15:40 – 16:00)	Location: 2 nd and 3 rd floor, Crowne Plaza Chengdu
14:00 – 18:00	Oral Session 13: Power System Monitoring (2)	Huanhua Room, 2 nd floor
	Oral Session 14: Load and Control of Power System (2)	Zongfu Room, 3 rd floor
	Oral Session 15: Power System Planning, Operation and Optimization (2)	Zengliu Room, 3 rd floor
	Oral Session 16: Wind Power, Geothermal and Tidal Wave Energy (2)	Yinzhu Room, 3 rd floor
	Oral Session 17: Environmental-Friendly Technologies	Ballroom B, 3 rd floor
	Oral Session 18: HVDC and Flexible AC Transmission System	Ballroom C, 3 rd floor

Wednesday Morning, March 31

Time	Activity	Location: 3 rd floor, Crowne Plaza Chengdu
08:30 – 10:30	Poster Session 1	Ballroom B, 3 rd floor
08:30 – 10:30	Poster Session 2	Ballroom C, 3 rd floor
10:30 – 12:00	Poster Session 3	Ballroom B, 3 rd floor
10:30 – 12:00	Poster Session 4	Ballroom C, 3 rd floor

Wednesday Noon, March 31

12:00-13:30	Buffet Lunch	Location: 2 nd floor, Crowne Plaza Chengdu
-------------	---------------------	---

Wednesday Afternoon, March 31

Time	Activity	Location: 3rd floor, Crowne Plaza Chengdu
14:00 – 16:00	Poster Session 5	Ballroom B, 3 rd floor
14:00 – 16:00	Poster Session 6	Ballroom C, 3 rd floor
16:00 – 18:00	Poster Session 7	Ballroom B, 3 rd floor

Part II Plenary Speeches

Plenary Speech: The Smart Grid and Its Opportunities & Challenges

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

Time: 09:20-10:00, March 29, 2010

Location: Ballroom ABC, 3rd floor, Crowne Plaza Chengdu



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. There are five attributes of the smart grid that need to work interactively for this concept to be a reality. These are: Technology, Standards, Cyber Security, 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. At the same time, 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: Electric Vehicles and Smart Grid

Speaker: Prof. C. C. Chan, University of Hong Kong, Hong Kong

Time: 10:20-11:00, March 29, 2010

Location: Ballroom ABC, 3rd floor, Crowne Plaza Chengdu



Abstract

In a world where global warming and climate change are growing concerns, the development of low carbon economy and sustainable mobility are essential. In this context, electric vehicles, renewable energy and smart grids are playing key roles.

This keynote speech will review the most recent development of electric vehicles, including the key issues, key technologies, technical roadmap and commercial roadmap, the relation among electric vehicles, renewable energy and smart grids, as well as the recent development of smart grids.

Plenary Speech: The Development of Modern Power System and Power System Technology

Speaker: Prof. Xiaoxin Zhou, China Electric Power Research Institute, China

Time: 11:00-11:40, March 29, 2010

Location: Ballroom ABC, 3rd floor, Crowne Plaza Chengdu



Abstract

Power system has been developing for more than 100 years since the beginning of last century. Following the development of power generation technology and power plant in particular big remote hydro plants, the distance of power transmission becomes longer and longer and accordingly the voltage of transmission becomes higher and higher. As for the power grid, after 100 years development, from some isolated small power grids to numbers of large interconnected power system, power grid becomes an extra huge national and international energy transmission and distribution channel in recent world.

Based on the major technical and economic features of power grid in the history, the power grid can be divided into three generations like other technical products did. The first generation of power grid was featured with the following essential points: smaller capacity of power generator with normally lower than 200MW, lower transmission voltage below 220kV, isolated and city power grid with higher losses and environmental effects, lower system security and reliability index. The duration of the first generation of power grid worldwide existed till 1950 years last century. Following the economy growth and the electricity demand rising rapidly after the world war two, the power grid was beginning into the development of the second generation in world wide. The main features of the second generation of power grid are as following: fossil fuel and nuclear based high efficiency big capacity generators with 300MW, 600MW, 1000MW etc., huge hydro power plants with generator capacity reaching more than 700MW, transmission voltage with 330kV and higher like 345kV, 400kV, 500kV, 735kV, 750kV, 765kV AC transmission and 500kV, 600kV, 800kV DC transmission, interconnected large power systems, high efficiency with scale economy based theory, low transmission losses and controllable Sox and Nox emission, improved security and reliability ability. The big problems of the second generation power grid we meet today are that the CO2 emission by fossil fueled plants and the supply of the fuel gradually dry up nowadays. In recent common knowledge that the second generation power grid can be seen as a non-sustainable grid. From 1950 years to the end of the last century, the second generation power grid was developed world wide. China first 330kV transmission line was built in 1971 just following the Liujiaxia hydro power plant in upstream of Yellow River was put in operation and the formation of Northwest power grid at the same time. These events denoted the beginning of the build of the second generation power grid in China which is later than the developed countries in 20 years. Above mentioned two issues have forced the power grid must be transitioned into new generation which we called the third generation of power grid. Large scale and/or distributed renewable and nuclear power generation must be intergraded and taken big role in the grid. And smart features including IT technology application must be adopted in the whole aspects of the power grid operation and management so that to solve the difficulties of the system operation in the new condition. The third generation power grid can also be called modern power grid or smart grid. The above mentioned two main features of the modern power grid: large percentages of green generation and intelligentizing ability of the system makes the realization of the third generation will take quite longer time.

Part III Oral Sessions

Oral Session 1: Thermal Power Technologies and Applications (1)

Ballroom B, 3rd floor, Crowne Plaza Chengdu

14:00- 18:00, Monday, March 29

Paper ID	Paper Title	Author	Affiliation
90259	Research On a New Style Whirl Ventilated Slag Cooler	Li Chaoxiang	Anhui University of Technology, China
90429	Hydrodynamically numerical computation on a supercritical pump with complex double-cases	Congxin Yang	Lanzhou University of Technology, China
90493	Vibration Reliability Analysis of Turbine Blade Based on Response Surface Method	Wei Duan	North China Electric Power University, China
90846	Modeling the effect of particle flow on erosion in CFB	Junjiao Zhang	North China Electric Power University, China
90849	Simulation of Dense Gas-Solid Fluidized Bed Based on Two-Fluid Model	Xiaoying Hu	North China Electric Power University, China
90971	Exergy analysis of boiler based on the temperature gradient	yuanyuan jiang	North China Electric Power University, China
91034	Experimental Study on the Defrost Characteristics of an Air Source Heat Pump Unit with split Fin-tube Heat Exchangers	Liu Chuan	Tianjin University of Commerce, China
91254	Field Synergy Principle to Square and Trapezoid Types Fuel Cell Bipolar Plate of Mold Injection	Shiuh Ming Chang	Kao Yuan University, Taiwan(China)
91647	Calculation of Rotor's Torsional Vibration Characteristics Based on	Wang-fan LI	Wuhan University, China
91732	Equivalent Diameter of Stiffness Photovoltaic solar heat pump system performance in Hong Kong	T.T. Chow	City University of Hong Kong, Hongkong(China)

Oral Session 2: Wind Power, Geothermal and Tidal Wave Energy (1)

Ballroom C, 3rd floor, Crowne Plaza Chengdu

14:00- 18:00, Monday, March 29

Paper ID	Paper Title	Author	Affiliation
90302	Thermal conductivity test of backfilled material in dual-cycle geothermal power generation system	SUN Shicai	Shandong University of Science and Technology, China
90486	Research on the Detection and Control System of Tidal Current Power Generation Experimental Platform	WANG Shu-jie	Ocean University Of China, China
90580	Transient Stability Evaluations of Power System with Large DFIG Based Wind Farms	Shiqiang Dai	Tsinghua University, China
90808	Higher-Order Sliding Mode Control of DFIG Wind Energy System Under LVRT	xuemei zheng	Harbin Institute of Technology, China
90930	Fluid selection for a low-temperature geothermal organic Rankine cycle by energy and exergy	Tao Guo	Tianjin University, China
91005	Numerical simulation of the airfoil flowfields at angles of attack from 0° and 180°	yufang zhang	Beijing University of Aeronautics and Astronautics, China

Paper ID	Paper Title	Author	Affiliation
91173	Modelling Study on Geothermal Well under High Geostress	Jianzhong Li	Central South University, China
91174	A Novel Method of Fault Diagnosis in Wind Power Generation System	Jianwen Zhang	China University of Mining & Technology, China
91409	Finite element analysis for the heat transfer of ground heat exchanger	Xianlei Zong	Tsinghua university, China
91453	A Review of Micro Wind Turbines in the Built Environment	Dong Li	Ocean University of China Qingdao, China
91565	Hysteresis Effect in Operation of Small Wind Power Generators	Marat Dosaev	Moscow State University, Russia

Oral Session 3: Bio-Energy Technologies, Process and Utilization

Huanhua Room, 2nd floor, Crowne Plaza Chengdu

14:00- 18:00, Monday, March 29

Paper ID	Paper Title	Author	Affiliation
90514	Effect of the Operation Conditions on Gasification of Municipal Solid Waste	Jianhang Hu	Kunming University of Science and Technology, China
90860	Simulation of Co-combustion of Waste with Sludge for Power Generation by Aspen Plus	XiaoHuo Huo	North China Electric Power University, China
91182	Research on Pyrolysis Characteristics of Cotton Straw	Peng Fu	Huazhong University of Science and Technology, China
91185	The separation and degradation ability of predominant aerobic microorganism in Coal Chemical Industry Wastewater	Fang Fang	Harbin Institute of Technology, China
91487	Numerical Modeling of Gas Flow in a 48t/h Biomass-fired Boiler	Fangfang ZHAO	North China Electric power university, China
91488	First-principles study of Ni adatom adsorption on graphene for Ni-catalyzed carbonization of wood as electromagnetic shielding (EMS) materials	Shuhui SHENG	North China Electric Power University, China
91508	Characterization and Analysis of Char Produced by Biomass Fast Pyrolysis	Xinbao Li	Zhejiang University, China
91553	Thermodynamic Simulation of Direct DME Synthesis via Biomass Gasification	Xiaolan Ge	Zhejiang University, China
91810	Preparation of Bamboo-Based Activated Carbon	Jubing Zhang	Southeast University, China
91954	Effect of Calcium Carbonate Additive on Agglomeration Caused by Burning Black Liquor in Fluidized Bed	Ying Zhao	North China Electric, China

Oral Session 4: Smart Grid

Zongfu Room, 3rd floor, Crowne Plaza Chengdu

14:00- 18:00, Monday, March 29

Paper ID	Paper Title	Author	Affiliation
90202	Research on Transmission Data System of Smart Grid based on IPv6 DiffServ Model	Ting Yang	Tianjin University, China
90223	Low-Carbon Off-Grid Electrification for Rural Areas: Lessons from the Developing World	Annabel Yadoo	Cambridge University, UK
90672	Predictive Control of Heat Supply Process Based on BP Predictive Model and Gold Section Algorithm	Shengchuan Deng	Harbin Institute of Technology, China

Paper ID	Paper Title	Author	Affiliation
90770	Conventional and Intelligent Methods for DG Placement Strategies	Yaser Qudaih	Kumamoto University, Japan
91076	Research on Battery Supercapacitor Hybrid Storage and its application in MicroGrid	guoju zhang	Chinese Academy of Sciences (CAS), China
91077	SOC Estimation of LiFeO4 Battery Energy Storage System	Chenglin Liao	Chinese Academy of Sciences, China
91090	Optimal Placement and Sizing of DG and Capacitor for the Loss Reduction via Methods of Generalized Pattern Search and Genetic Algorithm	Kazem Haghdar	Iran University of Science and Technology, iran
91204	A Method for Voltage Regulation in Distribution Network Equipped With OLTC Transformers and DG Units	Mahmood Joorabian	Shahid Chamran University, Iran
91521	A Framework of Agent-based Demand Response to Provide Reserves Necessary for High-level Wind Penetration	Yi Tang	Southeast University, China
91542	Current Compound Control Strategy for Single-Phase Shunt Active Power Filter	Shuquan Zhang	Huazhong University of Science and Technology, China
91794	Simulation and Analysis of A Micro Grid With Distributed Generation Units Under Unbalanced Conditions	Mehdi Davodi	Azad University of Gonabad, Iran
91961	Obtaining Forewarning Time for Landslides Using AMI Associated Wireless Sensor Network	Chen-Jen Tang	Tatung University, Taiwan (China)
92087	Service-oriented Advanced Metering Infrastructure for Smart Grids	Shudong Chen	Eindhoven University of Technology, Netherlands

Oral Session 5: Power System Management Technologies

Zengliu Room, 3rd floor, Crowne Plaza Chengdu

14:00- 18:00, Monday, March 29

Paper ID	Paper Title	Author	Affiliation
90244	Optimal Load Response to Time-of-Use Power Price for Demand Side Management in Denmark	Weihao Hu	Aalborg University, Denmark
90687	Allocation of Transmission losses in electricity System Based on Cooperative Game Theory	xinzhong BAO	University of Science and Technology Beijing, China
90751	Available Transfer Capability Assessment Considering Risk Evaluation	Yajing Gao	North China Electric Power University, China
91237	Research on the water conservancy and hydropower system engineering based on A.D.HALL theory	Fenhua Li	North China Electric Power University, China
91240	The Relationship Between Electricity Price and Wind Power Generation in Danish Electricity Markets	Weihao Hu	Aalborg University, Denmark
91659	The Mean-WCVaR based model for LDC's optimal portfolio in transmission and distribution separated electricity markets	haoming liu	hohai university, China
91861	A Capacitor Current Based Adaptive Hysteresis Controlled Fast Transient Response DC-DC Converter	Jing Sun	Zhejiang University, China
91890	Stochastic Unit Commitment with CO2 Emission Trading in the Deregulated Market Environment	Ping Che	Northeastern University, China
91901	Power Supply Module for System on Chip with Wide Input Range	Lin Hu	Zhejiang University, China
91912	A Universal Protection Controller For Li-ion Battery Charger	Zhihao Ye	Zhejiang University, China

Oral Session 6: Power Transmission Technologies

Yinzhu Room, 3rd floor, Crowne Plaza Chengdu

14:00- 18:00, Monday, March 29

Paper ID	Paper Title	Author	Affiliation
90076	Flickermeter Design: An Improved Method to evaluate Short term Flicker Severity Index (Pst) using Walsh Hadamard Transform (WHT)	Prakash Ranganathan	University of North Dakota, USA
90078	Analysis of Reactive Power Exchanging between Converter Station from YunGuang 800Kv UHVDC Projection	wenbin chen	South China University of Technology, China
90221	Research of Safety Protection for Live Working on 1000kV AC Ultra High Voltage Transmission Line	Kai Liu	Wuhan University, China
90260	Experiment and Theoretical Study on Thermal Performance of Honeycomb Ceramic Regenerative Heat Exchanger	Li Chaoxiang	Anhui University of Technology, China
90369	Life Extension of a Group of Western Power Transformers	Dean Sharafi	Western Power, Australia
90423	Approaches for Suppressing of Lightning Overvoltage in the Gas-Insulated Substation (GIS)	ahmad tavakoli	science and technology of Iran, Iran
90635	Parameter Study on Galloping of Iced Bundled Conductors	Jing Hu	Chongqing University, China
90733	Computation of Wide Band Network Parameters and Macromodeling of Transformer Windings	Zhang Zhongyuan	North China Electric Power University, China
90996	Fault Data Synchronization Using Wavelet for Improving Two-terminal Fault Location Algorithm	Wutthikorn Threewithayanon	Chulalongkorn University, Thailand
91165	Loss-minimized Distribution System Reconfiguration by Using Improved Multi-agent Based Particle Swarm Optimization	Hong-Tzer Yang	National Cheng Kung University, Taiwan
91374	A Hybrid Genetic- Simulated Annealing Algorithm for Optimal Design of Grounding Grids with Rods	Roya Nikjoo	Amirkabir University of Technology, Iran

Oral Session 7: Power System Monitoring (1)

Huanhua Room, 2nd floor, Crowne Plaza Chengdu

08:30-12:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
90214	Differential GPS-Based Transmission Conductor Wave and Wind Galloping Real Time Measurement	Zhijian Hu	Wuhan University, China
90356	Research of On-line Monitoring of Moisture Content in Transformer Oil	Qiang Fu	Guangdong Power Grid Electric Power Science & amp, China
90645	Cyber-Physical Aware Model Based on IEC 61850 for Advanced Power Grid	Gang Li	Northwest Polytechnical University, China
90787	A novel contact less over voltage Monitoring Method based on the principle of Electrostatic Coupling	wang jun	Electrical Power Test and Research Institute of Hubei Province, China
90842	Power Monitoring Device with Quantitative Harmonic Souce Identification	Yue Zhuo	Siemens Limited., China
90919	Series Arc Fault Detection and Implementation Based on The Short-time Fourier Transform	Hong Cheng	China University of Mining and Technology (Beijing), China
90988	Research on Operation Condition Classification Method for Vibration Monitoring of Wind Turbine	Wengang Shi	Siemens Ltd., China

Paper ID	Paper Title	Author	Affiliation
91008	Development and Application of Intelligent Alarm System	Ni Yan	North China Electric Power University, China
91073	Comparison of Two Fault Classification Schemes in Non-effectively grounded distribution system and Their Combination	Zhang Jun	Southwest Jiaotong University, China
91104	S-transform based power quality indices for transient disturbances	Jia Yong	Southwest Jiaotong University, China

Oral Session 8: Load and Control of Power System (1)

Zongfu Room, 3rd floor, Crowne Plaza Chengdu

08:30-12:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
90160	Novel Multiple-Loop Composite Control Strategy for Active Power Filter	Zuo Sun	Chizhou College, China
90597	Small Signal Stability Constrained Rescheduling Using Sensitivities Analysis by Neural Network as a Preventive Tool	Mohammad Reza Aghamohammadi	Power & Water University of Technology, Iran
90648	Modeling and Nonlinear Control for the Boost Converter with Constant Power Loads	Zhaohui Gao	Northwestern Polytechnical University, China
90702	A New Method for Live Line Measuring the Impedance Parameters of Transmission Lines Based on WAMS	Yishu Zhao	Shandong Electric Power Research Institute, China
90719	Modularization Modeling of the Full-Scope Dynamic Simulation for power system	Jianguo Zhu	China Three Gorges University, China
90928	Effect of Generator Parameters Inaccuracy on Transient Stability Performance	Mohammad Reza Aghamohammadi	Power & Water University of Technology, Iran
91007	Influence of multi-source vortex structure on the mixing of fuel/air	yufang zhang	Beijing University of Aeronautics and Astronautics, China
91013	Analysis of Self-Excitation in Turbine-Generators Induced by Static Blocking Filter	Haifeng Cen	Shanghai Jiao Tong University, China
91050	Comparison and Conversion of Dynamic Models of Speed Governor for Transient Stability Analysis in BPA and PSS/E	Li LIN	North China Electric Power University, China

Oral Session 9: Power System Planning, Operation and Optimization (1)

Zengliu Room, 3rd floor, Crowne Plaza Chengdu

08:30-12:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
90026	Optimal design of emergency load shedding control for enhancement of transient voltage security	Shunjiang Lin	South China University of technology, China
90077	Research on Damping Characteristics of Xinjiang-Northwest Power Grid before and after Interconnection	Jiaming Wang	North China Electric Power University, China
90180	Maintenance Crew Placement for Reliable Distribution Network Using "Geographic Information Systems"	Behzad Sedaghat	Zanjan University, Iran
90231	A Novel Method for Generation Optimization Based on Triple Power Flow Constraints	Ning Xiong	Shanghai Jiaotong University, China

Paper ID	Paper Title	Author	Affiliation
90840	A Matching Model of the Direct Power Transaction Based on the Bilateral Patterns	Weiting Xu	SiChuan University, Chengdu, China
90904	Harmonic Analysis of Systems with AC/DC Converters	Yuanyuan Sun	Shandong University, China
90984	Error Reduction in Contingency Ranking of Power Systems Using Combined Indexes	mehrdad mallaki	Islamic Azad University of Bushehr, Iran
90989	Generation Planning for Standalone Power Systems	Ying-Yi Hong	Chung Yuan Christian University, Taiwan (China)
91152	Assessing System Risk and Integrating Operation and Planning Functions for Chongqing Power using EPRI Probabilistic Risk Assessment Program	Pei Zhang	EPRI, USA
91286	Enhanced active power adjustment model in the reliability evaluation of the hybrid AC/DC system	Shaoyu Xie	Xi'an Jiaotong University, China
91918	Reducing SF6 Emission from HV Circuit Breakers - A Life Cycle Approach	Zahra Jabiri	Western Power, Australia

Oral Session 10: Hydropower, Solar Power and Nuclear Energy

Yinzhu Room, 3rd floor, Crowne Plaza Chengdu

08:30-12:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
90750	Optimal Operation of Hydropower Station Reservoir Based on MCGOA in Electric Power Market	Xianfeng Huang	Hohai University, China
90980	Capacity Value of PV Generation and Its Impact on Power System Planning	Yuehui Huang	China Electric Power Research Institute, China
91006	An Online Fault Diagnosis Method for Nuclear Power Plant Based on Combined Artificial Neural Network	REN YU	Navy University of Engineering, China
91568	Numerical Simulation on Fluid Dynamic Behavior of High-pressure Safety Valves	Defu Li	Harbin Institute of Technology, China
91728	Research on Control Method of Solar Grid-connected Inverter with Single DC Power Supply	hua zhang	Air Force Radar Academy, China
91752	Numerical Investigation on the Interaction between the Volume and Diffuser with Different Outlet Angles in Nuclear Main Pump	Liang Li	Dalian University of Technology, China
91774	Analysis on Concentrating Radiation Transfer to Solar Array with Concentrator	Guilong DAI	Harbin Institute of Technology, China
91909	The Cavitation Research in Reactor Coolant Pump	Wei Wang	DaLian University of Technology, China
91927	Dynamic application and risk analysis of flood control water level to the Three Gorges reservoir by utilizing mid-term inflow forecasts	Xiaohua Dong	China Three Gorges University, China
91963	Design and Stability Analyses of Floating Tidal Current Power Generation Test Platform	Shujie Wang	Ocean University of China, China

Oral Session 11: Thermal Power Technologies and Applications (2)

Ballroom B, 3rd floor, Crowne Plaza Chengdu

08:30-12:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
----------	-------------	--------	-------------

Paper ID	Paper Title	Author	Affiliation
91748	Influence of Rotor Axial Shifting and Clearance on Leakage in Stepped Seal in Steam Turbines	Meng Zhang	Dalian University of Technology, China
91845	Numerical Investigation on the Effect of Cooling Steam on the Erosion to the Flue Gas Turbine Impeller Based on CFD	Yang Yu	Dalian University of Technology, China
91862	Fractural Damage Analysis and Optimized Improvement for Last Stage Moving Blade in ECST	Rong Xie	Dalian University of Technology, China
91895	Inlet boundary conditions for numerical study of hydrodynamics in bubbling fluidized beds	Yurong He	Harbin Institute of Technology, China
91921	Numerical Study on Influence of Moving Blade Installation Angles on Performances of a Flue Gas Turbine	Rong Xie	Dalian University of Technology, China
91977	The Applied Research on the Small Oil Gun Ignition Technology in Pulverized Coal-fired Boiler	zeng lingda	College of Power and Mechanical Engineering Wuhan University, China
92003	Experiment Study of a Pilot FGD System by Ammonia Scrubbing in a CFB Power Plant	Hong Xu	China Jiliang University, China
92015	Finite element analysis of welded T junctions stress of boilers	Yuanchun Liu	Harbin Institute of Technology, China
92038	Experimental Research on the Corner Secondary Air Injection of Square Circulating Fluidized Bed	Zhengyang Wang	Harbin Institute of Technology, China
92044	Numerical simulation on homogeneous ignition temperature of pulverized coal group	Qi yongfeng	Yangzhou University, China

Oral Session 12: New Technologies and Design for Energy Efficiency

Ballroom C, 3rd floor, Crowne Plaza Chengdu

08:30-12:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
90359	Transient Characteristics of PEMFC based on Fuel Cell Temperature	Hong Sun	Shenyang Jianzhu University, China
90477	A Novel Model Based on Neural Network of Evaporator in Solar Heat Pump System	wan qing	qingdao technological university, China
90591	High Specific Power on a Small-Scale Turbine	Soo-Yong Cho	Gyeongsang National University, Korea (South)
90738	Research and Adaptability Analysis on Acid Gas Removing Technology in Floating LNG Plant	Q. H. Fan	Harbin Institute of Technology, China
91338	Research on Improved EKF Algorithm Applied on Estimate EV Battery SOC	Liye Wang	Chinese Academy of Science, China
91352	Numerical Simulation of Furnace Slag Waste Heat Recovery in Fluidized Bed	baojin yang	Qing Dao Technological University, China
91459	Optimal design and performance analysis of a low concentrating photovoltaic/thermal system using the direct absorption collection concept	Jiafei Zhao	Dalian University of Technology, China
91720	Modified random pore model study on coal char reactions under O ₂ /CO ₂ atmosphere	Hua Fei	Huazhong University of Science and Technology, China
91725	Energy Harvesting in Substations for Wireless Sensors and a New Arc Converter Structure	Jinxin Huang	Shandong University, China

Paper ID	Paper Title	Author	Affiliation
91932	Experimental Study on the Characteristics of Semi-Cylindrical Diffuser Arranged At Low Sidewall in Large Space Buildings	Xuelel Gao	University of Shanghai for Science and Technology, China
91942	Numerical Simulation of Suction Slot Structure on the LP Last Stage Stationary Blades of Steam Turbine	sun cai	Wuhan University, China

Oral Session 13: Power System Monitoring (2)

Huanhua Room, 2nd floor, Crowne Plaza Chengdu

14:00-18:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
91145	A Novel Wide-area Fault Location Algorithm Based on Fault Model	jing ma	North China Electric Power University, China
91351	Research on Series-wound Reactor Protection Against Inter-turn Fault in Power Traction System	Guosong LIN	Southwest Jiaotong University, China
91450	Optimal Placement of Phasor Measurement Units with New Considerations	Chi Su	Aalborg University, Denmark
91654	Live Line Measuring the Zero Sequence Impedance Parameters of T-Connection Transmission Line	Zhijian Hu	Wuhan University, China
91758	Design and Realization of an Online Power Quality Monitoring System Based on GPRS	Yi Xie	South China University of Technology, China
91797	Mathematical Morphology Method for Pre-processing of Coil Current Waveforms of Circuit Breakers	Chongshan Zhong	China Agricultural University, China
91995	Observability Analysis Using Extended Incidence Matrix	M. A. Anuar	Kumamoto University, Japan
92037	Temporal Abductive Reasoning based Intelligent Alarm for Power System	Taifeng Kang	Tsinghua University, China
92100	Boiler Tube Leakage Acoustic Localization Error Analysis	peng wang	North China Electric Power University, China
92110	Power System Decomposition Based on Hierarchical Tree Structure	Moez Davodi	Shahrood University of Technology, Iran

Oral Session 14: Load and Control of Power System (2)

Zongfu Room, 3rd floor, Crowne Plaza Chengdu

14:00-18:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
91269	Voltage Vulnerability Measurement Based on Energy Stability Region	Qunying Liu	University of Electronic Science and Technology, China
91322	A PMU-based Dynamic Fault Location Estimation for Transmission Lines	He Wen	Southwest Jiaotong University in Chengdu, China
91327	Integrated Modeling and Simulating of the Three-axis Turbine Power Generation based on the Neural Network Identification	Xiaoyun Zhang	Harbin Engineering University, China
91375	Online Recursive Closed-Loop State Space Model Identification for Damping Control	Hua Ye	Shandong University, China
91397	Analysis of Kita-Hon HVDC Link for Load Frequency Control of Eastern Japan 50-Hz Power System Based on Application of The CampusWAMS	Changsong Li	Kyushu Institute of Technology, Japan

Paper ID	Paper Title	Author	Affiliation
91573	Online Voltage Collapse Prevention Through Optimal Load Shedding and Dynamic Generation Control	Bo Gong	Siemens Energy
91691	Study on Electromechanical Distance of Electrical Power System	Delin Wang	Chongqing University, China
91823	Short-term load forecasting using dynamic neural networks	Evans Chogumaira	Graduate School of Science and Technology Kumamoto University, Japan
91994	Simulation and Protection Scheme analysis of Articulated Neutral Section Insulator in DC Railway System	L Yu	Beijing Jiaotong University, China

Oral Session 15: Power System Planning, Operation and Optimization (2)

Zengliu Room, 3rd floor, Crowne Plaza Chengdu

14:00-18:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
90696	An A-stable improved Taylor series method for power system dynamic-stability simulation	Xian-rong Chang	North China Electric Power University, China
91308	Optimal Allocation of Maintenance Budgets for Reliability Target Setting	Noppada Teeraachariyakul	Kasetsart University, Thailand
91318	Optimal Pricing Mechanism for Generators and Large Consumers Considering Power Transmission Cost	Debin Fang	Wuhan University, China
91383	Voltage Stability Evaluation of The Khouzestan Power System in Iran Using CPF Method and Modal Analysis	farbod larki	Khouzestan Regional Electrical Company, iran
91449	Extended Power Flow Model of Bus Reactive Power Margin and Its Fast Algorithm	Yue Guo	North China Electric Power University, China
91767	Dynamic Frequency Simulation and Study on Turbine-Generator Including the Effect of Boiler and Fuel System	Ketian Liu	Southwest Jiaotong University, China
91773	Dynamic Economic Dispatch with Generator's Feasible Operation Region	Habibuddin Mohd Hafiz	Hiroshima University, Malaysia
91783	A Structural Design Research for the Combined Generating System of Solid Oxide Fuel Cell (SOFC) and Gas Turbine	Wei Wang	Dalian University of Technology, China
91803	A New Method for Charging Transmission Services In Cross-border Trading	chunyang zhao	University of Strathclyde, UK
91974	Pareto Optimization of Power System Reconstruction Using NSGA-II algorithm	Hongtao WANG	Shandong University, China
91978	Reliability Index Prediction Using Fuzzy Principle	Siriporn Katithummarugs	Provincial Electricity Authority of Thailand, Thailand
92083	Advanced Method of Island Detection in Network Using Matrix and Vector	Mancheol Shin	R&D center, Power21 Corp, Korea

Oral Session 16: Wind Power, Geothermal and Tidal Wave Energy (2)

Yinzhu Room, 3rd floor, Crowne Plaza Chengdu

14:00-18:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
91418	loss reduction in distribution network using simultaneous capacitor placement and reconfiguration with ant colony algorithm	mohammad javad kasaei	Islamic Azad University, Iran

Paper ID	Paper Title	Author	Affiliation
91747	Optimization Strategy of the Excitation Capacitor for the Dual Stator-winding Induction Generator System Applied in Wind Power Generation	Feifei Bu	Nanjing University of Aeronautics and Astronautics, China
91813	Comparison Study of a Vertical-axis Spiral Rotor and a Conventional Savonius Rotor	Can Kang	Jiangsu Univeristy, China
91814	Experiment and Performance Evaluation of a New Vertical-axis Spiral Rotor	Feng Zhang	Jiangsu Univeristy, China
91844	Research on the Voltage Stability Control for Wind Turbine Group Based on Dynamic Reactive Power Compensation	Xiaoming Li	School of Electrical Engineering Wuhan University, China
91913	A Magnetic Suspended Self-pitch Vertical Axis Wind Generator	Shuqin Liu	Shandong University, China
91931	An Investigation of the Equivalent Wind Method for the Aggregation of DFIG Wind Turbines	zhaojun meng	State Grid Electric Power Research Institute, China
91956	Estimation of Wind Power Variation and Availability for Multiple Wind Farms	Yi Zhang	State Grid Energy Research Institute, China
92050	Enhanced Control Strategies of Permanent Magnet Synchronous Wind Power Generation System under Unbalanced Grid Voltage Conditions	Zhan Wang	Zhejiang University, China
92127	Voltage Regulation of Grid Connected Wind Farm Using STATCOM	Mohammad Ali Tofigh	University of Malaya, Malaysia

Oral Session 17: Environmental-Friendly Technologies

Ballroom B, 3rd floor, Crowne Plaza Chengdu

14:00-18:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
90566	Systematic evaluation on sequestration and driving effects by CO ₂ injection in reservoir	Yao Yuedong	China University of Petroleum (Beijing), China
90835	Research on the Reactivity of Oxygen Carrier Fe ₂ O ₃ for Chemical Looping Combustion (CLC)	Changqing DONG	North China Electric Power University, China
90852	Analysis on Energy Consumption and Optimal Operation of FGD System in Power Plant	Gang Xu	North China Electric Power University, China
90946	A New System for Cooling and Gas Promoting Extraction Utilizing Carbon Dioxide	Lanyun Wang	China University of Mining & Technology, China
91344	Relativistic Particle AS Energy Source	Rangaraj Garudapuram	Tata Elxsi Ltd, Chennai, India
91474	Study on the combustion behavior of pulverized coal and waste tyre by TG-FTIR	Mingyan Gu	Anhui university of technology, China
91475	Adsorption of Hg ⁰ from coal combustion flue gases by novel iodine-modified bentonite/chitosan sorbents	Anchao Zhang	Huazhong University of Science and Technology, China
91533	Characteristics of Heavy Metals Partition during Melting Process of MSWI Fly Ash		Wang Xuetao
91838	Experimental study on the influence of the nozzle on Combined Desalination and Power Generation System	Yuchun Zhao	jiangsu University, China

Paper ID	Paper Title	Author	Affiliation
91910	Purifying PH ₃ with Cu ²⁺ Absorption Solution	Honghong Yi	Kunming University of Science and Technology, China
91949	Influences of ignition mode and ignition time on NO reduction during pulverized coal reburning	Qi Yongfeng	Yangzhou University, China
92007	NO Formation Mechanism during Oxy-Fuel Combustion of Pyridine	Ben Wang	State Key Laboratory of Coal Combustion, China

Oral Session 18: HVDC and Flexible AC Transmission System

Ballroom C, 3rd floor, Crowne Plaza Chengdu

14:00-18:00, Tuesday, March 30

Paper ID	Paper Title	Author	Affiliation
90376	Study on the Trigger System Design of STATCOM	Chunyan Zang	Huazhong University of Science and Technology, China
90668	Characteristics and Recovery Performance of VSC-HVDC DC Transmission Line Fault	Jie Yang	Tsinghua University, China
90862	Research of electromagnetic radiation model of HVDC converter valve group	Li Xiangli	North China Electric Power University, China
90942	The Role of Multiterminal HVDC for Wind Power Transmission and AC Network Support	Lie Xu	Queen's University of Belfast, UK
91164	Control of Bidirectional Current Source SVPWM converter in the Power Accumulator Battery Testing System	Lixia Zhang	China university of petroleum, China
91216	A Novel Design Method of AC Side Inductance of Four-Quadrant Converter	Qiang Ye	Sichuan Electric Power Test & Research Institute, China
91505	The Influence of Grid Voltage Quality on STATCOM and the Countermeasure	Jian Han	Xi'an University of Technology, China
91741	The Experiments of Voltage Balancing Methods in IGBTs Series Connection	Dalong Ning	Xi'an University of Technology, China
92004	New Technologies of Modular Multilevel Converter for VSC-HVDC Application	Ke Li	North China Electric Power University, China
92114	Voltage Oriented Based Control Strategy for Cascaded PWM STATCOM	Suxuan Guo	Wuhan university, China

Part IV Poster Sessions

Poster Session 1

Ballroom B, 3rd floor, Crowne Plaza Chengdu

08:30 - 10:30, Wednesday, March 31

Paper ID	Paper Title	Author
90009	Modeling Natural Gas Productivity Recovery from a Hydrate Reservoir Well	Bin Dou
90023	Studies on the Isolation of Lipase-producing Strain and Immobilized Condition	xiang ji
90031	Cracking Analysis of High Concrete Gravity Dams Under Floodwater and Seismic Effects	JIA Chao
90041	Analysis of the Influence of Concrete Mixed with MgO on the Mass Concrete Thermal Stress	shouyi li
90056	A New Computational Approach to Hydraulic Transient Process for Diversion System of Hydropower Station	Changbing ZHANG
90057	Study on Micro-pore Filter Blockage Model for Oil Contamination Level Testing Under Constant Pressure	Jixia Lu
90096	Investigation on the Characteristics of the Mixed Bed Materials in a CFB Boiler	Yunhua Gan
90100	The Study on Reactivity and High-Strength Mechanism of Modified Fly-ash Concrete	Juanhong Liu
90112	Technological and Economical Analysis of Electrostatic-Bag Precipitator in Power Plant	Yu Sun
90115	The ANP Model for Dam Risk Identification of the Hydropower Project	Shengping GU
90118	Investigations on three-dimensional random aggregation process of calcinated limestone	Chunchang Song
90126	Actuality Analysis of Condition-Based Maintenance Technology for Hydroelectric Generating Unit	yumin zheng
90131	Research on bypass seepage of dam abutment deep-thickness sand layer and anti-seepage scheme	Yanlong Li
90136	Stress and Deformation Analysis of Asphalt Concrete Core Rockfill Dam on Overburden by 3D FEM	Zheng Si
90144	Experimental Study on Aqueous Oxidation of Sulfur Dioxide by Ozone under the Presence of Mn ²⁺	Shuangchen Ma
90145	Simulation on the Emission of SO ₂ and NO _x from Coal-Fired Power Plants using MM5-SMOKE-CMAQ	Shuangchen Ma
90169	Simulation of hydrogen production in biomass gasifier by ASPEN PLUS	Wenyi Tan
90171	Influence of Rice-cultivation on Preferential Flow of Sodic Alkaline Soil in Northeast of China	Luo ming
90175	Phase space reconstruction and artificial neural networks coupled model in mid-long term flow forecasting	Ping'an ZHONG
90213	Earthquake-resistance safety estimation of Guanmaozhou composite dam with asphalt concrete core wall	Zhenzhong Shen
90215	The Dual Iteration FEM Method to Define the Seepage Free Surface for Non-Darcy Seepage	Xingzhou Chen
90222	Design of concrete face sandy gravel dam for Nazixia Hydropower Station	Shengxi LV
90242	A Study of the Ventilation Performance of a Two-Segment Chimney Integrated with A Residence	Wei Du
90243	Energy Management for a Fuel Cell Hybrid Vehicle	JIANG Zhi-ling
90245	Finite Time Thermodynamic Modeling of a Indirectly Fired Gas Turbine Cycle	zheshu ma
90267	A General Gas Dynamic Program for Hydraulic Free Piston Engine	Tao Zhu
90289	Computer Simulation of the Flow Field in ESP with Transverse Collection Plates	Manyin Hu
90320	Electricity generation and wastewater treatment using an Air-Cathode Single Chamber Microbial Fuel Cell	Kangping Cui
90328	Effect of Multi Micro Porous Layer in Proton Exchange Membrane Fuel Cell	Jui-Hsiang Lin
90335	New Approach Of Spark Ignition Engine Fueled with Ethanol	sun jun
90342	The fractal properties of calcination of limestone and its sulfidation with H ₂ S	zhanlong song
90353	Research Of Water Data Analysis System Based On Neural Network Ensemble	Yi Liu
90363	Simulation Research on Conversion of Natural Gas to Hydrogen under Super Adiabatic Rich Combustion	LI Yongling
90377	Study on Supercapacitor Energy Saving System for Rubber-Tyred Gantry Crane	Chunhe Chang
90382	Stability Study against up-Sliding along Contact Plane between Arch Dam and its Foundation	Xu Fuwei
90395	Study and Application on Removal of Silica by Chemical Coagulation Process from the Oil field Produced Water Reused in Boiler	Zhihua Wang

Paper ID	Paper Title	Author
90397	Plasma pyrolysis of biomass for production of gaseous fuel to generate electricity	Lan Tang
90407	Study on Sulfer Dioxide Decomposition overOxygen-deficient Ferrite	Zhuo Zhao
90408	Analysis of Hydro-Mechanical Interaction to Pervious Pressure Tunnel	SU Kai
90425	Analyses of thermal stress field of high concrete dams during the process of construction	JIA Chao
90437	Reservoir Real Time Risk Dispatching Combing Forecasting Erro	Song Yu
90442	Applying Ecological Corridor to Promote Eco-landscapes in Hydropower Construction Region	Zhen-yao XIA
90449	The Time Effect Research on Heavy Metal Elements Pollution of Urban Industrial Fire Coal	peng xiuhong
90458	Water Hammer Analysis for Heated Liquid Transmission Pipeline with Entrapped Gas Based on Homogeneous Flow Model and Fractional Flow Model	Changjun Li
90466	Study on Seismic-spectrum Characteristics for 300m-grade Earth-Rockfill Dam	ZHU Sheng
90467	Dam's Safety Analysis of Yele Hydropower Plant Considering Asphalt Concrete's Softening Property	yongming Wang
90473	Working Behavior Analysis and Evaluation of Dingchong Reservoir Dam	Fu-jun CAO
90489	Assessment of Spillage of Large-scale Hydropower Plant Undertaking Spinning Reserve	Chen-guang Xu
90491	Parameter Testing and Modeling of Excitation System for No.1 Unit in Hanpingzui Hydropower Station	Xiaoying Zhang
90512	Output Characteristics Analysis of Thermoelectric Generator Based on Accurate Numerical Model	Gaowei Liang
90518	Emergy Evaluation on Clean Development Mechanism Project of Straw Power Generation	Yuhe LUO
90522	Study on the Factors Influencing COD Removal Rate of Cattle Manure Anaerobic Fermentation	lili wang
90587	Study on physicochemical characteristics of biomass with its ash	Manyin Hu
90640	The Combustion situation of Pulverized Coal in Plasma Ignition Burner	shuang bian
90642	Dam's Earthquake Damage Analysis of Bikou Hydropower Station in "5.12"Wenchuan Earthquake	zhu sheng
90644	Study of PWM Rectifier/Inverter for a High Speed Generator Power System	Haoran Bai
90661	A Study into Preparation of bio-ethanol by degradation of Banana stalks with enzyme	Wubiao Zhu
90674	Parameter Identification of Hydraulic Turbine Governing System based on Prony Method	Shaokang Zhang
90691	Experimental Study on Carbonation and Steel Corrosion of High Volume Fly Ash Concrete	Guoqiang Xu
90692	Parameter Optimization and Numerical Simulation of Vertical-Axis Tidal Turbine	Hongbo Lu
90694	Experimental Study on Fluidization Characteristics of Mixture of Biomass and Coal in a Fluidized Bed	Hongbo Lu
90699	Development of a Nonlinear Real-Time Simulation System for Hydroelectric Generating Unit	guangda Chen
90704	Lipase-catalyzed synthesis of biodiesel from crude cottonseed oil	Weitao Liu
90730	Effect of NO Concentration on Effectiveness of Barrier Discharge Treatment Flue Gas Pollutants	Xudong Gao
90732	Stability Assessment of Surrounding Rock of Underground Cavern Complexes Based on Energy-Dissipation Model	Huibo Liu
90752	Characteristics of Mercury Release during Flue Gas Desulphurization Gypsum Reuse	Jing Jin
90778	Sedimentary Sequence Feature of the Half Graben Rift-lake Basin--A Case Study of the East Sag, Liaohe Basin	Zuozhen Han
90806	Numerical simulation of air pollutants diffusion discharged by power plants in Shanghai Expo Area	Li-fen Yuan
90818	Estimating Large Area Evapotranspiration from MODIS Data	Xiaochun Zhang
90828	A Density Functional Investigation on C Atom Adsorbed on Ni (111) Surface in the Steam Reforming of Acetic Acid	Changqing DONG
90837	The Resistivity Property of Nikel Loaded Winter Wheat Straw Char	Changqing DONG
90844	The Effect of CaO on N2O emission during the Biomass gasification gas Reburning Process	Changqing DONG
90875	The Experimental Research on Microcosmic Burning Mechanism of Biology-molding Fuel	Hengtao Zhou
90898	Fuzzy evaluation of impacts of the transbasin diversion hydropower project	Shengping GU
90903	Feasibility Study on Non-dam Floating Adjustable Intake for Hydropower	Xin Zhang
90905	Impacts of CCS and Other CO2 Mitigation Options on China's Electric Power Industry	Tong LIU
90906	The impact of fluctuations in coal prices on financial risk of China's coal listed companies	hu sheng
90909	Early Age Shrinkage of Cement Mortar with Steel Slag Admixture	Yunfeng Li

Paper ID	Paper Title	Author
90914	Research on Temperature Characteristics of DPF Regeneration Technology Based on Catalytic Combustion of Fuel Injection	Xianjun Hou
90932	Assessment of Biomass Energy Production Potential in China	Xiaoming Wang
90936	Performance Simulation and Experimental Testing of Moderately High Temperature Heat Pump Using Non-azeotropic Mixture for Geothermal District heating	shengjun zhang
90953	Building and Analysis of Hydro Turbine Dynamic Model with Elastic Water Column	Yun Zeng
90958	Improvement Rotor Angle Oscillation of Hydro Turbine Generating Sets Based on Hamiltonian Damping Injecting Method	Yun Zeng
90963	Short-term Operation Method and Hydraulic Calculation of Three Gorges Cascade	xueshan ai
90967	Study on the Seismic Behavior of Trash Rack Concrete Frame of RCC Gravity Dam with the Reserved Groove Construction Method	Chang-zheng Shi
91004	Studies on Co-firing of Low-temperature Pyrolyzed Biomass with Coal	Jun XIAO
91031	Effect of ozone on baghouse filter used on smoke cleaning for power station boiler	Jingxian Liu
91045	Study on Long-term Operation Characteristics of Asphalt Concrete Core Dam of Yele Hydropower Station	zhu sheng
91060	Hydrogen Production by CMC Gasification in Supercritical Water	Xiaohong Hao
91061	Treatment of Coal Chemical Wastewater by Two-Stage Anaerobic Process	Wei Wang
91062	Energy Equilibrium and Conversion on Supercritical Water Oxidation of Organic Liquid-Waste	Chen Shouyan
91083	Comparative Analysis of Biomass Power Generation Technologies	Xutao Wang
91113	Comparison of Reactor Configurations for Biogas Production from Energy Crops	Xinmei Fu
91115	Simulation of Oxygen Mass Fraction in the Cathode for the PEM Fuel Cell	shizhong chen
91117	Experiment study on discharge capacity of Suzhou River river mouth flap gate	jibao wang
91136	Experimental Study on Flow Characteristics of the Electronic Expansion Valve with Variable Condition	zhi yuan Wang
91147	A Management Information System for Micro Hydropower Project	Xin Zhang
91153	The Influence of Pulverized Coal Size on Nitrogen Oxides Emission Performance from Pulverized Coal Combustion	Xiaohong Hao
91198	Two & Three Dimensional Flow Numerical Simulation of Controlled Discharging Condition of Spillway Containing Frusta	Jing Li
91199	Technical and Economic Analysis on Syngas Production from Biomass Gasification	Longzhi Li
91200	Vibration analysis of large bulb tubular pumping station considering flow-structure interaction	Xin Wang
91215	Design of A 100W Fuel Cell Test System	Qiang Ye
91236	Study on the stress of the concrete gravity dam heel by Ansys finite element	Fenhua Li
91267	Improving Cleaner Production Performance of Coal-fired Power Plants with SE-DEA Model	Shao-lun Zeng
91270	Catalytic cracking of ketone components in biomass pyrolysis oil	zuogang guo
91292	Life cycle assessment waste edible oil fuel preparation and it's usage in diesel engine	QIANG ZHANG
91295	Informative Profile for 2D Infiltration Problem with Process Observation	Yuansheng Pei
91306	The Fate of Trace Elements in the Co-combustion of Municipal Solid Waste and Sludge based on Thermodynamic Equilibrium Calculation Approach	Junjiao ZHANG
91309	Effect Investigation of Composite Humidification Way on Wall Deposition of Water Droplets and Desulfurization Process in Semi-dry CFB-FGD Tower	LIn Cui
91342	Performance of a Ground Water Assistant Air Source Heat Pump in Refrigerating Condition	Yin LIU
91366	Measurement and Analysis of Environmental Costs: Thermal Power Enterprises Emissions of Air Pollutants in China	Linwei Wan
91391	Effects of Temperature on the Desulphurization Characteristics of Wastes and Limestone	Bin Zheng
91395	Effect of Pore Texture and Surface Chemistry on SO ₂ Removal by Activated Carbon in Fluidized Bed	Bing Li
91421	Study on Co-slurry and Co-gasification of Coal and Semi-char from Rice Stalk Pyrolysis	Yuzhi Wang

Paper ID	Paper Title	Author
91424	Research of Fluid Flow Characteristic inside Radial Ventilation Duct for Large Generator	Shuye Ding
91436	Characterization and Fourier Transform Infrared Spectrum Analysis of Bio-oil/Bio-diesel Emulsion	xiaoxiang Jiang
91441	The Effect Of Straw And Coal Combustion On Boiler's Radiative Heat Transfer	Gao Zhengyang
91445	Plasma-assisted catalytic oxidation for nitrogen oxides abatement	xiaolong Tang
91454	Properties and Swelling Mechanism of Hole Sealing Material	Wenbiao SUN
91460	Experimental Study of SO ₂ Removal by Powder Activated Carbon in Fluidized Bed Reactor	Liqiang Zhang
91506	Experimental research on catalytic esterification of bio-oil volatile fraction	Yueling Gu
91509	Commercialization and Challenges for the Next Generation of Biofuels: Biomass Fast Pyrolysis	Qi Wang
91544	CO ₂ emission reduction from power plant flue gas by micro-algae: A preliminary study	Yinxin Zhang
91549	Numerical analysis of hydrocyclone with different vortex finder in wet limestone-gypsum FGDsystem	Liping Geng
91561	Experimental Research on Fluctuating pressure Characteristics of Stilling Pool Base Slab and Guide Wall	Li Jing
91566	Study on Interfacial Tension Between Alkanolamide Surfactants of Different Carbon Structure and Daqing Crude Oil	Lingwei Meng
91571	Application Study on Heat Pump and Floor Radiant Heating in Geothermal Heating	Wanyue Wang
91587	Modeling Pyrolysis of Cotton Fabric Wastes used for Renewable Energy Source	Fanglong Zhu
91597	Kinetics and Thermodynamics of cadmium(II) and zinc(II) Adsorption onto Oil shale fly ash	Jingru BAI
91632	Inverse Analysis of Three-dimensional Seepage Parameters for Natural Dam Foundation Based on ANSYS/APDL Optimization Technology	Qiao Yan
91634	Analyze on Development Prospects of 300m Level Ultra-high CFRD from Shuibuya High CFRD	Li-bin Wang
91642	Performance of nuclear power plants half-speed turbine	Hu Wang
91661	Reliability Evaluation of Flood Releasing Structures Power Supply of Hydroelectric Power Station by Fault Tree Analysis	Zhenjie Li
91680	Optimization Model and PID Temperature Control System Design for CO ₂ Capture Process by CaO Carbonation-CaCO ₃ Calcination Cycles	Wei Li
91685	Desulphurization Characteristics of Waste Compound Desulfurizer	Bin Zheng
91698	Application of Cellular Automata in hydraulic turbine performance data processing	Zuodong Yu
91692	Study on Cemented-rockfill Dam in Hydropower Station Construction	yunfeng peng
91704	Study on Static Power Characteristic of Huge Hydro-Generator	Baojun Ge
91714	Research on Principle and Characteristics of Superconductive Harmonic Current Absorber	Dajiang He
91716	Sol-gel synthesis and electrochemical properties of LiMn _{1.8} Co _{0.2} O ₄ cathode material	Yingbin Lin
91722	Preliminary Discussion on the Application of Fuel Cell Using for Underground Loader	Guimei Wang
91723	A Composite Method for Islanding Detection Based on Vector Shift and Frequency Variation	Meiyi Hou
91755	Experimental Study on Mesophilic Biogas Fermentation with Rice Straw Pretreated by Cellulase	Hu Xiaoming
91771	Particle Swarm Optimization for Long-term Operation of Cascade Hydropower Stations	Lihua Chen
91781	Feasibility and Potential of Parabolic Trough Solar Thermal Power Plants in Tibet of China	Bin Yang
91785	Analysis of a power cycle utilizing low-grade solar energy	Jianzhong Song
91786	Operation and Control Of Three-Stage Half-Opened Cascaded Hydropower Station	Han Biao
91798	Effect of Length on Nitrogen Oxide Removal With a Dielectric Barrier Discharge Reactor	Xudong Gao
91800	Calculation of Temperature Filed in Urban Distribution Substation	Tao Chen
91802	Low temperature selective catalytic oxidation of ammonia in lean oxygen over TiO ₂ supported catalyst	Xiaolong TANG
91854	Bioflocculant Synthesized by Klebsiella pneumoniae during 1,3-Propanediol and Bio-diesel Integration Process	zong-ming zheng
91859	The Excitation System Simulation of Huge Hydro-generator	Baojun Ge
91860	Study on Electrical Braking of Huge Hydro-generator	Baojun Ge
91864	Investigation of Primary Dimension Determining Method for High voltage Cable-Wound Generator	Baojun Ge

Paper ID	Paper Title	Author
91880	The Simulation and Assessment of The Atmosphere Environmental Impact From MSWI Plant	Wei Li
91885	The Application of APDL in 3D non-linear finite element analysis of concret face rock-fill dam	Changbin wu
91887	Influence of rockfill characteristics and rolling parameters to the compaction effect	Qiao Yan
91902	Supercritical CO ₂ extraction of corn stalk pyrolysis oil	wang jinghua
91919	Nano-TiO ₂ Modified Super-hydrophobic Surface Coating for Anti-ice and Anti-flashover of Insulating Layer	Wei Li
91944	Model predictive control for multivariate PEMFC stack temperature system	Fan Yang
92055	Experimental Study on the Performance of Flow & Desulphurization in a Spray Scrubber for Wet Flue Gas Desulfurization	Fang Lijun
92063	Analysis of Load Characteristics for a 1000MW Hydro-Generator within Considering Saturation	GE Baoqun
92126	Effect of NO ₂ on PPS Filter used in Coal-fired Power Plant Flue Gas Dust Collection	Deqiang CHANG
92129	The numerical simulation and experiment study on the coupled thermal conduction and groundwater advection heat transfer process under the intermittent operation of the ground-coupled heat pump system	Sufen Li

Poster Session 2

Ballroom C, 3rd floor, Crowne Plaza Chengdu

08:30 – 10:30, Wednesday, March 31

Paper ID	Paper Title	Author
90037	New Generation of 110kV Transformer under SieFormer Design Concept	Zhusheng Chi
91676	Research on the Technology of Integrated Recovery and Collaborative Power Generation for Sintering Dual Waste Heat Source	bin zhao
90005	Introduction of nuclear fission by high-voltage applications	Shu-Pian Tang
90046	Development and Application of Test Apparatus with Cyclic Water-mixing Gathering Process Simulation	Zhihua Wang
90086	Study of CuxTe polycrystalline thin films for CdTe solar cells	Song Huijin
90093	The Experimental Research On Two-stage Water Evaporative Cooling System	Qiang Zhang
90094	Research on theory and performance of ducted air-conditioning (AC) unit	Qingbo Ma
90121	A Diffusivities of Point Defects Study of Passive State on 316L and 2205 Stainless Steel	Xuequn Cheng
90123	Design optimization of fixed V-trough concentrators	Runsheng Tang
90124	Installation design of solar panels with seasonal adjustment of tilt-angles	Runsheng Tang
90125	Power saving in water supply system with pump operation optimization	Shihu Shu
90159	Numerical Study of Pulverized Coal Ignition Characteristics under O ₂ CO ₂ Atmosphere	Le Wu
90181	A multifunctional laboratory fixed-bed for experimental simulation of chain-grate boiler	Qingcheng Wang
90183	Uncertainty analysis of the tracer-based hydrograph separation method	Haiying Hu
90184	Effects of Surface Modification of Rubber Particles on Pavement Concrete Performance	Juanhong Liu
90212	The influence of preparing conditions on the properties of CdS polycrystalline thin films prepared by magnetron sputtering	Wei Li
90225	Research on Bi-Directional DC-DC Converter For a Stand-Alone Photovoltaic Hybrid Energy Storage System	Jun Xie
90229	The Hydrates Dissociation Rate Measurement for Natural Gas Recovery from Hydrates Sediment	Qing Zhang
90249	System Design and Economic Evaluation of Coke Oven Gas Utilization Projects	Xuelei Zhang
90290	Safety Analysis for IPWR under Over-Pressurizing Accident Conditions	Shoubao Dai
90301	Coal Consumption and CO ₂ Emission Control Technology in China	Li Jinke
90326	The Design of the Solar Cell Simulator	Pan huajin Pan huajin
90345	Thermodynamic Calculation of Moisture Separator Reheater in Nuclear Power Plant	Wei Wang

Paper ID	Paper Title	Author
90366	The Analyse Of Maximum Power Point Tracking's Energy Losses In PV System	Huan Chen
90385	Numerical Analysis on the Characteristic of Heat Transfer Enhancement in Horizontal Rectangular Channel by Longitudinal Vortex Generator	Jin wei
90443	A New study Control method of Fuzzy Logic Controller for Generator Excitation	guo peiyuan
90463	Ce _{0.8} Sr _{0.2} Cr _{0.5} V _{0.5} as the anode materials for H ₂ S fueled solid oxide fuel cells	Xiufang Zhu
90465	An improved control method for inductive load of Z-source inverter	Zhiqiang Gao
90468	Analysis of Photovoltaic Array Performance under shaded conditions	Qingshan Xu
90469	Operation Optimization for Performance Improvement of PV/converter Systems	Qingshan Xu
90495	Study on Process Calculation Methods of Pipeline Transportation of CO ₂	Xia Wu
90498	Iron Loss Reduction Method for Permanent Magnet Machine with Beveling Magnet	Haitian Wang
90519	Research on intelligent energy-feedback device for large-capacity storage battery discharge	Shun xin Liu
90527	Charge Equalization Using Multiple Winding Magnetic Model for Lithium-ion Battery String	Hanxin Shen
90538	Small-Break Loss of Coolant Accident Analysis of the Integrated Pressurized Water Reactor	Jiange Liu
90551	Devices Dissipation of Series-Resonant Inverter under Pulse-Width Phase-Shift Operating Mode	zhiwei zhao
90556	Study on using the water alternating gas injection technologic to improve the Ultra Low Permeability Reservoir Recovery	y zh
90557	Effect of the viscoelasticity of flooding system on oil displacement efficiency	Wu Wenxiang
90558	Study of New type of Temperature-resistant and Salt-tolerant surfactant for Polymer / surfactant Two-component flooding system	Wu Wenxiang
90559	Study on the foamability and its influencing factors of foaming agents in foam-combined flooding	Wu Wenxiang
90562	Development of Three-phase Intelligent Composite Switch in Reactive Power Compensation	Zhongren Chen
90564	Modeling of KW-scale fuel cell combined heat and power generation systems	Ang Peng
90574	Improving indoor thermal environment in cold seasons by south window and solar floor radiant heating	Wei Shengxian
90577	Analysis on the location of Stratified interface in Density Lock	yu pei
90578	New correlations for predicting indoor thermal environment in Yunnan-Guizhou plateau climate	Wei Shengxian
90581	Impact of Operating Parameters on Characteristics of Effervescent Nozzle	Yunjing CUI
90613	The multi-objective optimization model of energy-efficient scheduling based on PSO algorithm	Xiaotong Li
90629	Experimental research on heat flux for integration of flat solar collectors and roofs	Guoqing Yu
90632	Research on the performance of solar and air-source heat pump combined heating systems	Guoqing Yu
90639	Operation of a pressurized CFB gasification for bituminous coal	Feng Duan
90641	Global Solar Radiation Modeling Using The Artificial Neural Network Technique	Fangping Deng
90662	Research of PV Model and MPPT Methods in Matlab	Wang NianCHun
90666	Numerical Simulation Reaserch of Natural Convection Heat Exchanger	Ruojun Xue
90669	A Review:Advancement in Probabilistic Safety Assessment and Living Probabilistic Safety Assessment.	Muhammad Zubair
90675	A Review:Activities in the Field of Small and Medium Sized Nuclear Power Plants	Salah Ud-din Khan
90679	Research of State Exact Feedback Linearization control of shunt single-phase active power filter	Fangjing chen
90682	Axial Xenon Oscillation Analysis basing on a Coupled Code and a Simplified Code	Faxiong Lin
90695	Testing and analyzing of solar energy resource	Mingzhi Zhao
90697	Electrical properties of Si-doped AISb polycrystalline films by co-sputtering	Jianxiang He
90708	Maximum Power Point Tracking Method Based on the Intermittent Step-varied Search for PV Array	BiYing Ren
90716	Research on heat transfer enhancement of lubricating-oil cooler with mixing integral pin-fin tubes and plain tubes	Guanglin Niu
90743	Study of PH ₃ adsorption and regeneration over CuO-ZnO-La ₂ O ₃ /activated carbon adsorbents	Qiongfeng YU
90744	Thermoacoustic network model of a new traveling wave thermoacoustic engine with external excitation	Anqing Shu
90755	Analysis and Numerical Simulation on AnImproved Oxygen-enriched Burner	Yuesheng Fan

Paper ID	Paper Title	Author
90758	Simulation model of hydraulic turbine speed control system and its parameters identification based on resilient adaptive particle swarm optimization algorithm	Bai Ji-zhong
90762	Network model approach for investigation of regenerator and heat exchanger on characteristic impedance in thermoacoustic engine	Zhichun Yang
90771	Development and applications of Solar Cooling Tube	Hui-zhong ZHAO
90790	Simulation and Analysis After The Connection of Fuel Cell Generation System with Traditional Substation	Jing Deng
90799	Research on High-Efficiency Driving Technology for High Power LED Lighting	Shisong Wang
90800	Analysis on Mathematic Models of Compensation Capacity for Symmetrical Compensation System in Electrified Railway	Fenghua Gao
90820	The R&D of Portable PEMFC Test Systems	yuanyuan fan
90832	CdS quantum dots sensitized one-dimensional ZnO solar cells with improved efficiency using ZnS shell coating	Xuelian Yu
90843	Design and Implementation of a Novel High-performance Stand-alone Photovoltaic LED Lighting System	Ye Ai
90855	A Novel Shunt Active Power Filter Under Condition of Unbalanced Voltage	Ziqiang Xi
90861	Design of Synchronous Sampling System Based on ATT7022C	Ziqiang Xi
90873	Study on Control of Natural Circulation and Forced Circulation in Nuclear Power Plant	Cheng Shouyu
90887	Preliminary Safety Analysis for Total Loss of Feedwater of the Multi-application Integrated Pressurized Water Reactor	Liguo Jiang
90891	Thermodynamic Analysis and Program Design of Tube Evaporative Condenser	Yingde Yin
90910	Study on AlSb films deposited by Co-sputtering	Xia Hao
90929	Design and performance analysis of low temperature solar thermal electric generation integrated PV cells	Li Jing
90968	Using Internal Quantum Efficiency to Determine Front Surface Recombination Velocity of Crystalline Silicon Solar Cells	Ma Xun
90973	Development of Thermal-Hydraulic Analysis Code for Plate Type Fuel Reactor	Li Lei
90975	The Charging Technology for Lead-Acid Battery With A Negative Pulse	Yifeng GUO
90987	Study on Long-term Stability of 110 kV Power Optical Sensor Solution-optical Current Transducer	Jia-ying WANG
91010	The Low-Power Design for Handheld RFID Readers	Limin HUANG
91020	Experimental Study on the Performance of rotary heat recovery unit	ZOU Tong-hua
91025	Optimal Studies on the Pressure Loss Characteristics of the Square Compensator in the Heating Pipe Network	L? Yu-kun
91078	Experimental investigation of solar panel cooling by a novel micro heat pipe array	Xiao Tang
91093	Optical Constants of Cd _{0.8} Zn _{0.2} S Thin Films from Transmission Spectrum	Wei Li
91099	Experimental Study of a Finned-tubes Phase Change Heat Storage System	wei Li
91108	An Improving Design of Solid Garbage Crusher for Garbage Coal Production Line	Meifa Huang
91130	Investigation on the heat flow field in the cylinder type natural gas heater	Guo Yun
91133	Analysis on Harmonic Current of Three-phase Bridge Uncontrolled Rectifier	Zheyu Zhang
91143	Design of miniature moving magnet linear actuator for thermoacoustic Stirling system	Chunping Zhang
91157	Performance Evaluation of a Photovoltaic Double-glass Window by CFD Modelling	Wei He
91162	An experimental study of liquid dehumidification	liu richao
91231	Heat Recovery from Internal Combustion Engine with Rankine Cycle	Liming Feng
91235	The Controller Design for Ship Wet Compression and Experimental Study	desong Jiang
91239	The New Design of Interior Distribution Substations with Natural Gas Engine and CHP System	Moein Manbachi
91243	Study on Constant Damping Control Characteristic of Synchro-Self-Shifting Clutch on Combined Power Plant	Desong Jiang
91252	Experimental Investigation on high temperature air gasification of coal in a fixed-bed gasifier	Lianyong Wang
91274	Energy-saving Control Based on Neural Network Inverse Decoupling for Asynchronous Motors	Dongdong Zhang
91288	Generalized Dynamic Fuzzy Neural Network-based Tracking Control of PV	Xu Yang
91290	Carbon Dioxide Reforming of Methane to Syngas by Warm Plasma: Low Energy Consumption	Xiang Li

Paper ID	Paper Title	Author
91310	Adsorption of phosphine in yellow phosphorus tail gas by impregnated activated carbon	honghong YI
91311	Effect of Catalyst Composition on catalytic hydrolysis of COS	Honghong YI
91321	Comparative study of a heat pipe PV/T and a water-thermosiphon PV/T	Pei Gang
91347	RESEARCH ON AERODYNAMICS AND EXIT FLOW FIELD OF SKEWED FAN-ROTORS	Jifu LU
91349	Performance of a Solar-Assisted Air Source Heat Pump in Heating Condition	Guanghui ZHOU
91353	Simulation and experimental investigation on cooling effect of wind energy on office building	Guo Chunmei
91367	The Non-thermal plasma-assisted catalytic conversion of NO under low-temperature	Xiaolong TANG
91387	Design of Periodicity Sequence Pulse Discharge Ignition Device and the Ignition Mechanism Study	Yu Yong-gang
91417	Simulation on long-wave radiation restraining performance of honeycomb structure	Lei Yang
91493	Research on Subsection Synchronization Harmonic Optimum Pulsewidth Modulation for Inverters	Xiao Fu
91495	The Design and Implementation of Photovoltaic Grid-connected Simulating Device Based on FPGA	feng wen
91498	Selection and Evaluation of Demulsifier Applied to Aging Crude Oil Dehydration	Lixin Wei
91536	A Study on Solar Energy Heating for Residential Buildings in Small Village	Wei Cai
91541	Performance Analysis of R134a and R417a Applied to Air Source Heat Pump Water Heaters	Wang Jun
91583	A Novel 12-pulse 3-level Inverter for STATCOM using Selective Harmonic Elimination Modulation	Bingjie Zhao
91584	Simulation Study of Influence of Inertia of Water on the Thermal Performance of All-glass Evacuated Tube Solar Collector	Yujiao An
91592	Study on Low Voltage High-power Multi-branch Permanent Magnet Synchronous Motor	Bingyi Zhang
91641	Application of Water Properties Table Lookup Method to Development of Thermal-Hydraulic Analysis Code in Real-time for Plate Type Fuel Reactor	Li Lei
91655	Slip Influence in the course of Powerformer loss of excitation	Yanling Lv
91665	Bio-inspired Kinetic Envelopes for Building Energy Efficiency based on Parametric Design of Building Information Modeling	jialiang wang
91670	A Novel High Performance Variable Speed PM BLDC Motor Drive System	Ting-Yu Chang
91678	Experimental study on the diffusion flame from small ceramic tube	Yunhua Gan
91684	Long Term Energy Scenario for China	Haochi Guo
91688	Research on the Present Situation and Countermeasures of Energy-conservation and Emission-reduction in China's Iron and Steel Industry	BO ZHANG
91699	Analysis of Ignition Energy Efficiency for Automotive Ignition Coils	Ning Chen
91706	Method of Electric Power Steering Based on Return-To-Center Control	Yun Zhang
91735	Numerical Study and Structural Improvement on Mixed-Flow Pump Impeller	Xie Rong
91738	Analysis of Air-Source Heat Pump System Based on Energy Storage for Defrosting	zhang hongrui
91751	Grid-Connected Soft-Switching DC-DC Push-Pull Forward Inverter For Photovoltaic	Li Ma
91759	CFD Study on polycrystalline silicon chemical vapor deposition in a rib reactor	Pan Zhang
91765	Linking Sustainable Development with Forest Carbon Sequestration	Yingli Huang
91766	Research on Temperature Field for Spacial Solar Array	chuang sun
91788	High Efficient Wiring System Design with Genetic Algorithm by Considering the Daily Electricity Uses of Each Electric Apparatus	I Chang
91790	Modeling and dynamic simulation of an efficient energy storage component- supercapacitor	Zhan-li Cheng
91806	Photovoltaics Application in Building Design	xiaodong xuan
91815	Spatial Econometric Analysis of Carbon Consumption of Chinese Provinces	fanglin su
91841	Research on Photovolta Array Emulator System Based on A Novel Zero-Voltage Zero-Current Switching Converterer	Ziming zhuo
91855	Analysis of China's Energy Consumption--Results of a structural decomposition analysis	Chongming Liu

Paper ID	Paper Title	Author
91872	Experimental Study of High-Pressure Fogging Cooling System in World Expo Axis	Zhifen Lin
91879	Design of a Permanent Magnet Synchronous Motor and Performance Analysis for Subway	shen qiping
91889	An Exploratory Study of Electronic Waste Treatment: Microwave-induced Pyrolysis	Jing Sun
91937	Study on mapping in-core power distribution from ex-core detectors readings	Li Wei
91939	Field-Measurement on Potential Air Rate of Natural Ventilation by an "Artificial Airflow Passage"	xin wang
91948	Experimental Study on the Absorption of CO ₂ from Flue Gas by Aqueous Solutions of Methyl-diethanolamine + Potassium Glycinate in Hollow Fiber Membrane Contactor	Weifeng Zhang
91952	Energy and Environmental Efficiency Input-output Model and Its Analysis	DU Tao
91958	Production scheduling with power price coordination in steel industry	Yanyan Zhang
91962	Forest Ecosystem and Forestry Industry coupling: Based on the analysis of Shuangfeng Forestry Enterprise	Zhe Ning
91968	A Nonparametric Analysis of Energy Use Efficiency in Western China	Fuqiang Dai
91983	Study on Novel Rotary-Gas Nozzle for HV SF ₆ Circuit Breaker Based on CFD Simulation	Cao Yundong
92001	The Influence of Al ₂ O ₃ Nanofluid on the Falling Film Absorption with Ammonia-water	Liu Yang
92005	Economic analysis of solar energy and off-peak power hybrid heating system	Xiao Wang
92039	Analysis of Z-source DC-DC Converter in Discontinuous Current Mode	jie zhang
92041	Study on Ice Storage Characteristics of A Small-scale Storage Tank Filled with Ice Balls	wang suying
92069	Refrigeration equipment using standing acoustic wave	Qing E
92099	Experimental Study on A Concentrating Solar Photovoltaic/Thermal System	sun jian

Poster Session 3

Ballroom B, 3rd floor, Crowne Plaza Chengdu

10:30 – 12:00, Wednesday, March 31

Paper ID	Paper Title	Author
90035	Application of Individual Pitch Controller for Flicker Reduction on Variable Speed Wind Turbines	Haiyun Wang
90066	The experimental research on the thermal Characterizations of shape-stabilized Paraffin to be used in a Wall	Yan Quanying
90089	Generator Cooling System Based on a Simulation Platform	LI Qing LI Qing
90105	An Improved Particle Swarm Algorithm and Its Application in Low NO _x Combustion Optimization of Coal-fired Utility Boiler	huan zhao
90114	Study on Optimization of Wind Farm Micro-layout	Shengping GU
90130	Modeling and Simulation of Micro Gas turbine Generation System for Grid Connected Operation	Junjun Li
90139	A High-Reliability and High-Efficiency Off-Grid Inverter Suitable for Direct-Driven Wind Generator Systems	Zhilei Yao
90156	Effect of multi-irreversibilities on the performance characteristics of an irreversible air-standard Diesel heat engine	Jizhou He
90198	The study on short-time wind speed prediction based on time-series neural network algorithm	lanzhen liang
90204	Numerical Simulation of Combustion Flows in Gas Generator	Yong Mu
90209	Design and Realization of Improved Phase Locked Loop Under Unbalanced Grid Voltage in Wind Power Systems	Guizhen Tian
90227	Design of Lifting Tool for Steel Tube Stake used in Installing Wind Power Equipment on the Sea	Bo ZHANG
90248	Study on the Situation, Trend and Countermeasures of Renewable Energy Development in Beijing	Lizhi Xing
90251	The Influence of Firing Medium or Low Heat Value Fuel on the Safe Operation of Gas Turbine	Xuelei Zhang
90256	Research of Real-time Monitoring Model for Calculating Exhaust Enthalpy	Jin Qian
90270	Investigation of the Temperature Character of IGBT Solder Delamination Based the 3-D Thermal-Electro Coupling FEM	Libing Zheng
90283	A Study on Dynamic Model And Analyse of Wind Turbine Generation System	Shaolin Li
90322	Design and Realization of DC Motor and Drives Based Simulator for Small Wind Turbine	Guangchen Liu
90327	Investigation of a ammonia-water absorption chiller performance	Dingfeng Kong

Paper ID	Paper Title	Author
90334	The Investigation on the Carbonation of CaO in FBC	chunbo wang
90399	3D Modeling and Finite Element analysis of Dynamic Characteristics for Blades of Wind Turbine	Shunzhang CHEN
90401	Experimental Research on LVRT Capability of DFIG WECS during Grid Voltage Sags	shuju hu
90421	Support Vector Machine Predictive Control for Superheated Steam Temperature Based on Particle Swarm Optimization	Dandan Zhao
90434	Oil Film Instability Fault Diagnosis Using Hilbert Huang Transform	Aijun Hu
90447	Numerical Simulation of Combustion Flows in Dual-fuel Combustor	Hongtao Zheng
90451	Design of Co-combustion & Drying Integrative Process of Paper Sludge and Experimental Study	Yanfen Liao
90455	Air-to-coal Weighted Ratio Optimization Concerning the Flow of Sealing Air	Zhenning Zhao
90508	The Study of Wind Power Combination Prediction	Shuang Han
90517	Advanced VT3000 System Development in Pre-commission of 1000MW USC Power Unit	Shan Leng
90540	The Study of on Grid Wind Turbine Generator Made in China	Xin-yan Zhang
90579	A Novel Sensorless Control Strategy of Doubly Fed Induction Generator Based on Stator Voltage	Xin Hao
90589	The Calculation of Governing Stage General Characteristic Curves of Steam Turbine Based on Visual C++	Sha Liu
90596	The Role and Analysis of Heat Exchanger of Steam and Water in CHP System	Zhenxian Lin
90609	Comparative Study of Brushless Doubly Fed Machine with Different Rotor Structures Used in Wind Power Generation System	Qian Zhang
90620	Study on Magnetic Levitation Wind Turbine for Vertical Type and Low Wind Speed	Huachun Wu
90628	Impact of Intermittent Wind Distributed Generation on the Reliability of Distribution System	Ming Zeng
90683	The effect of typhoon MORAKOT on wind energy utilization in Jiangsu province	Yan Chen
90684	Observation and Simulation of Wind Energy Resource in Jiangsu Coastal Area	Xiazhen xu
90706	A Comparative Study on Economy of Driving Mode for Boiler Feed Pumps	Xianyong Peng
90724	Graphite Nanofibers as catalyst support for Proton Exchange Membrane Fuel Cells at 80 °C	Lu Lu
90753	Comparison of Transient Stability between Wind Farm based on DFIG and Traditional Power Plant in an Actual Grid	Hongjing Hou
90763	A Methodology of Thermodynamic Performance Calculating for Turbo-Compressor Set in Different Indraft and Exhaust Pipe	Longbo Liu
90785	An Intelligent Maximum Power Control for Transverse Flux Permanent Magnet Generator	G.Q. Bao
90797	Performance Analysis of Water and Power Cogeneration System with Thermal Vapor Compressor	Yu Du
90826	Design of Hybrid Energy Storage Control System for Wind Farms Based on Flow Battery and Electric Double-Layer Capacitor	Hongxin Jia
90829	Calculation and analysis for rotor wedge temperature of synchronous generator in high-slip asynchronous operation	Lei Hu
90848	Study of flow of fine particles with an agglomerate-based approach	Jianxiang Zheng
90858	Minimum Variance Control of Constant Power Output For Wind Energy Conversion System Above Rated Wind	Liang Zhao
90867	Optimal power control of fraction frequency wind-power generation system considering the transmission and transformation equipment	Weiping Zhu
90869	Probabilistic Load Flow Analysis for Power System Containing Wind Farms	Lei Dong
90870	An experimental study of a micro high-speed turbine that applied in Organic Rankine Cycle	Pei gang
90884	Dehydration of high-moisture lignite fuel technologies	tai lv
90892	Study on the influence of cooling steam's amount to the unit economy	Tai Lv
90895	The Interval Analysis for Static Response of Stream Turbine Blade with Uncertain Parameters	wang zhangqi
90900	The Application of Gray Optimization in Wind Farm Economic Analysis	Tai Lü
90918	DFT study of NH ₃ and NO adsorption on copper-aluminate catalysts	Qingsen ZHAO
90920	Numerical Simulation of the Unsteady Flow and Power of Horizontal Axis Wind Turbine using Sliding Mesh	YANG Sun
90945	Wake theories and model development for wind turbines	Lv Yongxing

Paper ID	Paper Title	Author
90961	The impact of coal diameter and heating rate to coal pyrolysis	Hongxian Liu
90964	Study on optimizing proportion of the briquette with orthogonal experiments	Hongxian Liu
90974	Flow Dynamical Optimization for Solar Heat Receiver	Lu Jianfeng
90983	A Numerical Study into the Effect of Cavitation Number on the Flow Characteristics in Diesel Nozzle Holes	Zhixia He
90985	Numerical simulation of the water cooled high temperature furnace flue in the lignite fired boiler	jianxiang Zheng
90993	Experimental Research on Turbulence Characteristics near the Burner Region of Six Corners Tangentially Fired Boiler	yuxiao zhao
90998	Experimental Study for Heat Transfer Characteristics of High Water-cooled Temperature Gas Pipe in Lignite Boiler	Tai Lv
91014	Space Solar Dynamic Power Systems Status and Development	Bin Wu
91038	Economic Analysis of the stability in the Wind Turbine Selection_Geng Weiting	Ming Zeng
91040	Project Finance Risk Analysis on Offshore Wind Farm	Ming Zeng
91063	Effects of Surface Roughness on Aerodynamic Performance of a Wind Turbine Airfoil	Deshun Li
91065	Family-oriented research and design for Liquid cavitation heater	Lifang Yang
91079	A Probabilistic Wind Farm Model for Probabilistic Load Flow Calculation	Xue Li
91082	A Novel Power Predicting Model of Wind Farm Based on Double ANNs	Jianyuan Xu
91088	Optimization of Steam Governing Arrangement for 600MW Sub-critical Steam Turbine Unit	Di Guo
91094	Theoretical and Experimental Research of heat storage characteristics of a new type of PCM	ZOU Tong-hua
91102	Control Strategy of Maximum Wind Energy Capture of Direct-Drive Wind Turbine Generator Based on Neural-Network	yanfeng ren
91105	Modal Analysis of Wind Turbine Blade Made of Composite laminated plates	Cui Yanbin
91109	Loading Analysis and Strength Cacluation of Wind Turbine Blade Based on Blade Element Momentum Theory and Finite Element Method	Duan Wei
91121	The Analysis and Establish of Thermal Stress Field Model of the Filmed Tubular Electrothermal Component	Ruiying Zhang
91128	Nonlinear control strategy for doubly-fed induction generator(DFIG) in wind power controller	Sheng Hu
91134	The simulation study for Brushless doubly-fed generator wind power system based on fuzzy control	Yong Liu
91137	An adaptive estimation method for parameters of doubly-fed induction generators(DFIG) in wind power controller	DiHua Li
91138	Study on Exhaust Gas Temperature of Supercritical Boiler Based on LSSVM-GA	Ding-ping LIU
91139	Exact Feedback Linearization and Decoupling Control of Doubly Fed Induction Generator	Pucheng Fan
91150	Blade Stress Analysis of Control Stage in Different Governing Mode	jianmei wang
91159	The Thermodynamics Analysis of Thermal Efficiency of the Minto Engine	Wei He
91167	Computation method on fatigue life of a full composite wind turbine blade	Wang Jing
91189	Control and Operation of Variable-Speed Wind Turbines during Voltage Dips	Rabi Parida
91201	Grade Recovery and Cascade Utilization of Sintering Residual Heat	Hui DONG
91212	Research on Active Power Real-time Dispatching of Wind Farm Integration	Qian Chen
91221	Efficiency of Power Generation by LNG Cold Energy	Liu Yanni
91222	Simulation of NOx Reduction with Gas Fuels Based on the Elementary Kinetics	zhiqiang wang
91223	Reliability Evaluation of the Offshore Wind Farm	Lingling Huang
91230	Finite element analysis of fin effect on buoyancy convection of air enclosed in a complex square cavity	wenfang zhu
91255	Study on Turbine Through-flow Model Based on Self-Adaptive BP Network	Quan Wang
91256	Entropy generation analysis of regenerator for thermo-acoustic Stirling engine	Guozhong Ding
91289	New Energy Balance Controller of Thermal Generating Unit	qi hui
91299	Grid Connection Control of DFIG Wind Power Generation Based on PSCAD	Jie Zhou
91300	An Evaluation method of Ultra Supercritical Thermal Power Generating Units based on DEA cross-evaluation	Wenjie Huang
91324	Based on the energy consumption of the smallest three-phase asynchronous motor Optimize Control of Energy Saving	xiaohui han
91329	Energy-saving Analysis Based on the Specific Consumption Theory for Large Coal-fired Power Units	Yongping Yang

Paper ID	Paper Title	Author
91341	Performance of a Direct Evaporation Thermal Storage System	Yin LIU
91368	Research on Dynamic Characteristics of Stator core of Large Turbo-Generator.doc	Yixuan WANG
91399	Dynamic Response of Wind Turbine with Double-Fed Induction Generator during Grid Voltage Dip	Kao-she Zhang
91412	Numerical Investigation On The NO Emissions Of W-shaped Boiler At Different Air Distributions	Zhengyang Gao
91451	Thermal Analysis of Direct-Drive Permanent Magnet Wind Generator using both Lumped Parameter Network and Finite Element Method	Wenming Tong
91458	The Numerical Analysis Method for Tube Wall Temperature of Superheater	xinghai zhao
91462	Experimental Study on the Circulating Characteristics of the Return Particles in CFB and the Validity of the Particles to Desulphurization	Liqiang Zhang
91466	A New Way of Maximum Injection Power Calculation of Wind Farms Connected to Power Systems	qi yang
91496	Experimental study on the properties of phase-change solar thermal stores	FU Haiming
91497	Development the combined heat and power in process industry for improving energy utilization efficiency	Qi ZHANG
91503	Study on Direct-Drive Permanent Magnet Synchronous Wind Generator using Closed slots	Zhongliang An
91552	Visual Dynamic Simulation on Installation Process of Power Plant	Shaohua Li
91554	Numerical Study of the Effects of Main Parameters on Micro-combustion for Micro-gas Turbine Engine	Zhaoqi Zeng
91563	Study on Gas-solid Heat Transfer Process of Cogeneration System	Hui DONG
91603	A New Method of Reactive power-Voltage Coordinated Control in Wind Farm	Chengfu Wang
91605	Numerical Study on Heat Transfer Characteristics of Gas Turbine Coated Blades	Donghui LI
91612	Backstepping Sliding Mode Control of Variable Pitch Wind Power System	Baohua Wang
91616	Comparison of Grid Code Requirements with Wind Turbine in China and Europe	Zhang Yong
91617	Numerical Simulation of Combustion Process under Different Tertiary Air Swirl Strength of HT-NR3 Burner	Yang Yang
91626	Experimental study on atomization and drop-size distribution of liquid-liquid systems	Gao Chunyan
91640	Design and Airgap Flux Density Calculation of Dual-Rotor Permanent-Magnet Wind Generator	Jianghua Cao
91643	Position Sensorless Control of Switched Reluctance Generator for Wind Energy Conversion	Xulong Zhang
91648	Stable Operation Mode Discussion on Steam Storage Technology In Solar Power Plant	Yongxing Lv
91650	Turbine-generator Unit Nameplate Power Definition Analysis and Economic Comparison	Yongxing Lv
91652	Greenhouse Gas Abatement Analysis of the Energy Saving Retrofit in Pulverized Coal Power Plants	Jun Zhao
91662	Experimental Investigation on the Fouling Characteristics of the Convergent-Divergent Tube	Zhongbin Zhang
91674	Grid-side PWM Converter for Wind Power Generation System	Ning Chen
91679	Numerical study on the performance effect of solidity on the straight-bladed vertical axis wind turbine	Shengmao Li
91693	Numerical Simulation of Contact Point Temperature Distribution and Fire Mechanism Analysis	Zhiyuan Cai
91700	Combustion Characteristics studies of oil shale de-ash-like	Qing Wang
91701	Power Control for Off-grid Wind Power System Based on Fuzzy PID Controller	Zhiyuan Qi
91705	Study on Thermal Kinetic Mechanism of Oil Shale	Hongpeng Liu
91710	Research on the Hydrodynamic Property of Parabolic Trough Solar Field	Cui Yinghong
91713	On-line Calculation for Thermal Efficiency of Boiler	Yong Li
91730	Diagnosis on Thermal Economical Performance and Analysis on Energy Saving Potential for a Fossil-thermal Power Plant	Yong Li
91733	Research on Calculation Method of Governing Stage Off-design Conditions in Consideration of Governing Valve Overlap Degree	Yong Li
91736	The Energy-saving Analysis of Steam Ejector in plant Steam System	Yong Li
91743	Thermal Stress Analysis of 600MW Steam Turbine Rotor in Different Governing Modes	Yong Li
91750	A Support Vector Machine model on correlation between the heterogeneous ignition temperature of coal char particles	Zhiming Xu

Paper ID	Paper Title	Author
	and coal proximate analysis	
91776	Modeling and Dynamic Analysis of Adjustable Regenerative Microturbine	Junli Zhang
91795	A Novel Multi-level Medium Voltage Converter Designed for Medium Voltage Wind Power Generation System	liang zhang
91804	Optimum Simultaneous Clearing of Energy and Spinning Reserve Markets With High Penetration Of Wind Power	Alireza Zakariazadeh
91809	Evaluating Suitable Number of WTG for Wind Plant by Monte Carlo Simulation Approach	Ya-Chin Chang
91827	Parameter Tuning for Wind Turbine with Doubly Fed Induction Generator Using PSO	Feng Wu
91848	Analysis of Small Signal Stability of Grid-Connected Doubly Fed Induction Generators	Shan-Ying Li
91875	The Control of Matrix Converter AC Excited Brushless Double-Fed Wind Power Unit	Qi Wang
91898	Power Quality Assessment of Wind Turbines by Matlab/Simulink	Gary Chang
91900	3-D Thermal Analysis and Computation of Flameproof Induction Motor	Baodong Bai
91905	Research on MATLAB Simulation of Three Level Power Amplifier for Magnetic Bearing	Wentao Yu
91933	Effects of Capacitor Bank on Fault Ride Through Capability of Induction Generator Based Wind Turbines	Y Hu
91934	Numerical simulation on three-dimensional turbulent flow in a gas turbine cascade for turbo-charger set	Guoyi Zhou
91951	Experimental Study on Combustion Characteristics of Blend coal in Thermal-balance and Recommendations Type Selection of Ultra-Supercritical Boiler	zeng lingda
91985	Transmission Congestion Management Using Distributed Generation Considering Load Uncertainty	Mohammad Afkousi-Paqaleh
91998	Demagnetization analysis of permanent magnet synchronous machines under short circuit fault	Guoxin Zhao
92018	Ignition Mechanism of Oil Shale and Semi-coke in Different Combustion Reactors	Bai-zhong SUN
92022	Research on Optimal Design of Waste Heat Power Station	Bin Zhao
92023	Comparative Simulation of Dynamic Characteristics of Wind Turbine Induction Generator Based on RTDS and MATLAB	Kang Chang
92029	A Novel Parameters Identification Modeling for Performance Analysis of Steam Power Cycle: Developing a Conceptual Methodology	Xianyong Peng
92032	The Optimization and Application Research on Power Plant Circulating Water Waste Heat Regenerative Thermal System	Bi Qingsheng
92035	Performance prediction of a horizontal axial wind turbine based on wind velocity correction produced by the complicated wake vortexes	Congxin Yang
92106	Experiments and simulation of mass flux measurement of supercritical water by orifice plate	Wenkai Li
92128	The research on surface heat transfer coefficient of convection tube bundles	Yangzhe Sun

Poster Session 4

Ballroom C, 3rd floor, Crowne Plaza Chengdu

10:30 – 12:00, Wednesday, March 31

Paper ID	Paper Title	Author
90008	Research on modulation technique of Novel AC/DC/AC voltage source converter	wang shuwen
90072	Study of influential parameters for transient electromagnetic method	XINGONG TANG
90073	Research on Eliminating Common-mode Voltage of Cascaded High-voltage Inverter Based on SVM	Zhenyu YANG
90083	A New Adaptive Fault Line Selection Method Based on Multi-scale Wavelet Packet Decomposition in Non-solid Earthed Network	Zhang Feng
90102	Method of Reactive Power Compensation in Three-Phase Unbalance Distribution Grid	Shang-qing Xue
90116	Measurement And Analysis Of VFTO In a 750kV Substation	Jian Jiang
90132	Closed-Loop Simulation of Protective Relay	dai zhihui
90133	Geography's Influence on Max Shielding Failure Lighting Current of Transmission lines	Yutang Ma

Paper ID	Paper Title	Author
90134	An Adaptive Sliding Mode Control Methodology Applied to Shunt Active Power Filter	Hui Wang
90135	Research on Primary Energy Ratio of the Gas Engine-driven Heat Pump under Different Run Mode	lin qiu
90140	The Analysis of Resisting Wind for UHV Transmission Tower with Unequal Legs	Yuzhuo Jia
90147	Make Use Of Water and Furfural to Carry Out Transformer Aging Estimation	lin chaohui
90162	Study on Optimal Matching of DBD Load and Inverter Power of Series Resonant Type	Yi-xi CAI
90194	Predictive Compensation Control for Current Phase Delay of Hybrid Active Power Filter	hongbin pan
90195	A Novel Harmonic and Reactive Currents Detection Method For Hybrid Active Power Filter	hongbin pan
90203	Implementation of Two-Level SVPWM Algorithm in PSCAD/EMTDC	Jiajun Liu
90207	Loss and Recovery of Hydrophobicity of EPDM Insulators in Simulated Arid Desert Environment	Yasin Khan
90217	Experimental Investigation on Live Working Requirements for 1000kV Ultra High Voltage AC Transmission Line	Yi Hu
90232	A Novel Transient Differential Protection Based on Projection Transform Model	Tan Yuzhen
90234	Harmonics and Reactive Power of Power Transformers with DC Bias	Jinxia YAO
90240	A New Assessment Method of Customer Harmonic Emission Level	Xiaoqing Huang
90247	A review on overvoltages in microgrid	Hongqiao Yu
90250	The Study of the Nanosecond pulse method to Detect Winding Deformation of Power Transformer	ting cui
90252	Study of CWS/diesel dual fuel engine emissions by means of RBF neural network	Qiang Zhang
90266	Investigation of the Harmonic Optimization Approaches in the New Modular Multilevel Converters	Qiang Li
90284	Development of Tester of the Resistive Leakage Current of MOA	Huijia Liu
90311	Multi-objective Voltage Quality Disturbance Generator with Cascade H-bridges	renzhong shan
90324	Improved Method for the Fitting of Excitation Curve for Voltage Transformer	Hengxu Ha
90337	Strategy of Active and Reactive Power Inter-coordination Control Among HVDCs	Xiaojiang Guo
90355	The Teaching Experiment System of SCADA in Power system	Jiajun Liu
90361	Situation and Analysis of Sulfur Hexafluoride (SF6) Byproducts of Gas Insulated Switchgear in Guangdong	Qiang Fu
90369	Life Extension of a Group of Western Power Transformers	Dean Sharafi
90383	Study on Harmonic Losses of Inductive Filtering Converter Transformer (IFCT) in HVDC System	Dechang Yang
90404	A Zero Module Current Obtaining Approach Based on Magnetic Induction for Single Phase Grounding Fault	Tao Ji
90411	Recent Advances On Analysis And Explanation Of Aged Insulation In Operating Power Transformars	Qiang Fu
90424	Network Impedance Measurements for Three-phase High-voltage Power Systems	Jian Xie
90427	A Virtual Admittance Control Strategy of Three-Phase Voltage Source PWM Rectifier Under Unbalanced Input Voltage Conditions	wang yingjie
90428	Dynamic Voltage Restorer Based on Proportional-resonant Control	Ke Shen
90440	Evaluation of Lightning Flashover Risk of HV Overhead Transmission Lines	Shanqiang Gu
90441	AC/DC Hybrid Transmission System Voltage Stability Analysis Based on Singular Value Decomposition Method	Qiu Xiaoyan
90444	Harmonic Simulation Analysis of Reactive Power Compensation Equipment and its Application	Chen Yang
90456	Analysis and Research of Grounding Modes of Optical Fiber Ground Composite Wire	Kai Liu
90470	Stability Analysis of AC/DC Power Transmission System Based on Bifurcation Theory	Yang Xiu
90483	Elimination of Harmonics in Multilevel Converters Using Stochastic Newton Method	Chuang Liu
90531	Analysis of Current Due to Closing Loop in Distribution Network Based on Angle Changing	Dongfeng YANG
90533	A Three-phase Active Power Filter Based on Improved Adaptive Harmonic Detection	Zenhua Shao
90541	A New Multi-method Combination Forecasting Model for ESDD Predicting	Haiyan Shuai
90546	Time Domain Fault Location Method Based on UHV Transmission Line Parameter Identification Using Two Terminal Data	Yining zhang
90550	Impedance Calculations for AT Power Traction Networks with Parallel Connections	Guosong LIN

Paper ID	Paper Title	Author
90554	Development and Implementation of a Prototype for Co-phase Traction Power Supply System	zeliang shu
90560	Hybrid Optimization Algorithm of Corrosion Diagnosis for Grounding Grid	Yao Yao
90595	Rapid Risk Assessment of SSR Caused by Series Capacitors Compensations in Large Power Grid	Yu Yang
90599	Measuring DBD main discharge parameters using Q-V Lissajous figures	Yi-xi CAI
90610	The State-Space Modeling and Nonlinear Control Strategies of Multilevel DSTATCOM	Xiaoping Yang
90617	Gate Trigger Unit for Voltage Reinjection Multilevel-VSC with Cascaded H-Bridges	Ming Li
90637	Numerical Simulation for Galloping of Iced Quad-Bundled Conductor under Stochastic Wind Load	Xiaohui Liu
90650	Computation of Reactor Winding Wave Process under Impulse Voltage	dongxue li
90651	Study on Transient Characteristics and its Impact on Protection of 1000kV Transmission Line Based on Marti Model	Yan Qiao
90673	Research on Scope of Environmental Influence of DC Grounding Electrode Rated ± 800 kV	Youqun Chu
90680	Design of subsynchronous damping control based on improved particle swarm optimization algorithm by STATCOM	Wei Gu
90685	Study and Realizing of Method of AC Locating Fault in Distribution System	zhaoyang wang
90700	Individual-Phase-Control SVC for HVDC Link with Weak Receiving AC System	lini qiu
90701	Mathematical Analysis of O and OH Radicals Energized by Dielectric Barrier Discharge	shui-e yin
90705	Study of An Adaptive Fuzzy VDCOL Control Strategy for Coordinated Recovery of Multi-feed-in HVDC System	YANG Dachun
90707	The Application of the IGA in Transformer Fault Diagnosis Based on LS-SVM	yanqing li
90715	Coordinated Control of Debao HVDC for Sichuan AC/DC Hybrid Transmission System	Huajian Wu
90721	Analysis on Parameters Selection of Injection Circuit of Differentiation Cascade type Controllable Custom Power Quality Disturbance-Generator	Zhe Sun
90725	Study on Boundary Element Method Applied in Transient Huge Current Measurement	Qian Zhang
90742	A New Method for Over-voltage Online Monitoring Based on Chain Parameters	Zhang Zhongyuan
90776	Single-phase Adaptive Reclosure for EHV and UHV Transmission Lines with Shunt Reactors	shao wenquan
90783	Analysis of the Conducted Interfering Mechanism within SVC-based substations	Wei Song
90788	Study of Multi-level Active Power Filter Control without phase-locked-loop	Guojun Tan
90794	A Novel Plasma Cutting Power Supply	Qiang Sun
90796	Study on Sensorless Control Strategy of Multi-Level PWM Rectifier Based on a Novel Virtual Flux Observer	Guojun Tan
90804	Modeling of Reactive Power Control System of HVDC	Lin Cheng
90841	Power System Reliability Assessment Considering the Effect of Freezing Weather	Weiheng Han
90856	Parasitic Resonance Effects Analysis on EMSM	Tengwei YU
90865	Study on Coupling Characteristics of Inductive Power Transfer System	deng yafeng
90927	Research on Solutions to Selective Harmonic Eliminated PWM Switching Angles for Novel Five-level Inverter	Jiajia Ren
90954	Design of Distribution Automation Terminal Based on DSP	Weiqing Tao
90981	An Overhead Transmission Line Temperature-rising Method and Experiment Based on Parallel Capacitor Compensating Reactive Power Source	Gang Liu
91049	Preliminary research on anode-cathode gap closure process of a rod-pinch diode	Yi Gao
91064	Amelioration Research of Submersible Motor Design Method	Yongming XU
91067	Calculation of 3D temperature field of the Submersible motor based on FLUENT	Dawei MENG
91070	Analysis and Calculation of 3-D Temperature Field of Submersible Motor Rotor	Dawei MENG
91074	The Study on Current Detecting Algorithm Based on Generalized Instantaneous Reactive Power Theory	Erxia LI
91125	Precise Calculation of Dead Time in High Voltage Transmission Lines Using Network Equivalencing Method in Time Domain	Jamal Moshtagh
91129	The principle and analysis for the incorrect pickup of SIEMENS electrode bus differential protection	Weiming Guo
91140	Research on Flashover Voltage of Composite Insulator with Wind Tunnel Test	jianghai geng

Paper ID	Paper Title	Author
91176	MAS-Based Restorative Control Of Urban Power Network	Haoming Liu
91183	Research on the Mathematical Model and Control Strategy of Static Var Generator	Xiaobin Zhang
91184	Partial Discharge Pattern Recognition Using Radial Basis Function Neural Network	Wen-Yeau Chang
91190	Research on Automatic Regulating for Distribution Transformer by Solid-State Relays	Yulin Zhao-
91203	Simulation and Test Study on Module Based Controllable Shunt Reactor	Ke Li
91211	Grounding Analysis of a Solar Power Generation Facility	Jinxi Ma
91228	Voltage Supporting Strength Evaluation Of The HVDC Receiving Grid In Synchronous And Asynchronous Interconnecting Power System	GUAN Lin
91233	Research on Digital Control System Simulation for Nuclear Power Plants	Cheng Shouyu
91262	Research on Impedance Characteristics of Thyristor Controlled Series Capacitor	kejun li
91277	High-Efficiency Bidirectional DC/DC Converter with High-Gain	Hengli Wang
91278	Determination of Locations for Static Transfer Switches in Distribution Systems Using Genetic Algorithms and Goal Programming	Ying-Yi Hong
91297	Dynamic Characteristic Simulation and Optimization for the Electromagnetic System with Double Coils	Ma Shaohua
91312	The Application of Ant Colony Algorithm to the EMI Predicting Analysis in Slot Leakage Field	Jinfeng LIU
91316	Structural Optimization for the China UHV Transmission Steel Tower	Jingbo Yang
91317	Calculation of Wind-induced Dynamic Load of UHV Steel Tower Including Conductors Vibration	Jingbo Yang
91337	A Fuzzy Control Algorithm to Characteristic Harmonics of Converter In HVDC System	liu qunying
91358	Study of AC/DC Power Coordinated Control for Multi-circuit UHVDC Transmissions of Sichuan	Zhen Huang
91378	The Impact of HVDC Commutation Failure on the Distance Protection	Pu Zhang
91379	A New Method for Open Conductors Fault Calculation of Four-parallel Transmission Lines	Xu Peng
91381	A Short-circuit Fault Calculation Scheme for Four-parallel Transmission Lines	Xu Peng
91384	Effect of Electrode Configuration and Corona Polarity on NO Removal by Pulse Corona Plasma	Kefeng Shang
91396	Research On Wind Power Connected To Power Grid By Fractional Frequency Transmission System	YANG Xin
91429	Laser-triggered Surface Flashover Characteristics of Nylon in Vacuum Condition with Pulsed Voltage	Ruzheng Pan
91480	Insulation Monitoring For Suspension Insulator Using Electromagnetic Signal Processing	Chi Xie
91484	Design and Finite Element Analysis of Permanent Magnet Synchronous Motor with Novel Rotor Type	Lei Wang
91485	The Implementation of Control System Applied to 1MJ Pulsed High Magnetic Field Facility	Xiaotao HAN
91491	Resonance Problem and Harmonic Analysis of Dielectric Barrier Discharge	Yun Liu
91519	Impact of Position of Fault Current Limiter on the Interrupting of Circuit Breaker	Weiwei Li
91531	The Design of On-site PD Test Circuit for High-Voltage Reactor Based on the Series Resonant Theory	Zhang zhongyuan
91569	Lightning Withstand Level Calculation and Anti-lightning Method Research for Transmission Lines Across Heavily Icing Region	Hongchun Shu
91604	Measurement of Non-Thermal Plasma in Atmospheric Pressure air Negative Corona Discharge	Ming Sun
91646	Optimization of Ampacity for the Unequally Loaded Power Cables in Duct Banks	Zhao Jiankang
91677	Hierarchical Coordination Controllers for UPFCs based on Non-linear Fuzzy Control	Xinbin Li
91715	Insulator Pollution Grade Evaluation Based on Ultraviolet Imaging and Fuzzy Logic Inference	Shenghui WANG
91719	Dry Band Formation and Its Influence on Electric Field Distribution along Polluted Insulator	Zhou Jianbo
91745	Electric field calculation and analysis of 35kV composite bushing	Dan shuheng
91754	Optimal Placement of SVC Based on Line Flow Base Equation Using Mixed Integer Nonlinear Programming	Reza Etemad
91805	Locating and Parameters Setting of Unified Power Flow Controller for Congestion management and Improving the Voltage Profile	Hossein Hashemzadeh

Paper ID	Paper Title	Author
91812	Study on the Transformer Solid Insulation Aging Diagnosis Method	xueyun mu
91818	Study on the Parameters of UHV DC Electric Field Meter	zehui liu
91822	The Study on the Compensation Strategy of Three Single-Phase H-bridge DVR	Zhe Sun
91826	Experimentation and Analysis of Pulverized Coal Corona Charging Characteristics	Liu Weijun
91829	Electric Field Analysis of Air Core Power Reactor	Xiuke Yan
91831	Analysis and Diagnosis of Conducted EMI Generated by Automatic Voltage Regulator (AVR) System in Synchronous Generator	Lei Zhang
91832	Calculating Resisistance Of Simple Grounding Forms With Or Without The Soil Improved Chemical Substance	Chuong Ho Van Nhat
91839	Application Of Wavelet Transform For Recognizing Over Voltages In Power Systems	Chuong Ho Van Nhat
91843	Electro-magnetic Analysis for 750kV DoubleCircuit Compact Transmission SystemWhen Applying Controllable Shunt Reactor	Bin Zheng
91881	Dynamic Behavior Analysis of Hu-Liao HVDC and AC Parallel Transmission System	Peng Ye
91888	Partial Discharge Pattern Characteristic of HV Cable Joints with Typical Artificial Defect	yun jiang
91896	Comparative Analysis of Radiated Interferences and Conducted Interferences Generated from a SVC	Li Zhang
91907	Voltage Sag Assessment Based on the Interval Characteristic of Customer Satisfaction	Xin-Wei DU
91928	Study on Free-oscillation Components Characterisitcs and Single-phase Adaptive Reclosure in Reactored Transmission Lines	shao wenquan
91975	Comparation of two detecting harmonic and reactive current methods for active power filter	Erxia Li
91988	Three Dimensional Electric Field in a Novel Rotary-Gas Nozzle Structure of SF6 Circuit Breaker	Fu Si
91989	Electromagnetic analysis of the coupler in high power LHCD system	Jun Li
91996	Numerical simulation of applying RF energy to optically pumped Plasma	Guofeng Lou
92009	Research on Suppression of Secondary Arc Current under Different Fault Locations for 500kV Transmission Line	Ruochen Cui
92014	On Instantaneous Characteristic of Adaptive Harmonic Detection Based on LMS	Chuanlin Liu
92019	Research Status and Prospects of the Half-Wavelength Transmission Lines	Guan Wang
92045	Study on Balanced Control Strategy of Dual 12-Pulse Valve Groups in UHVDC	Min Huang
92048	Study on Traveling Wave Propagation Characteristics of ± 800 UHVDC Transmission Lines	Hongchun SHU
92051	Experiments for Embedded Protection Device for Secure SCADA Communication	Sugwon Hong
92073	Partial Discharge Pattern Analysis Based on 2-D Wavelet Transform	wenjie Li
92081	SSSC circuit model for three-wire systems coupled with Delta-connected transformer	Ghasem Abdollahi Sarvi
92088	Feasibility Study on Application of Voltage Source Inductive Filtering Converter in HVDC-Light Systems	Yong Li
92089	Study on the Effects of the DC Bias on the Harmonic Characteristics of the New Converter Transformer	Yong Li
92117	Analyses of Electric Field for Vacuum Circuit Breaker Using Response Surface-Charge Simulation Method	Xiaoming liu
92121	Study on Chaotics of Turbulent Gas Flow for a EHV SF6 Circuit Breaker	xiaoming liu
92124	Domain Coupling of Multi-physical Parameters for EHV SF6 Circuit Breaker	yundong cao

Poster Session 5

Ballroom B, 3rd floor, Crowne Plaza Chengdu

14:00 – 16:00, Wednesday, March 31

Paper ID	Paper Title	Author
90013	Improved Evolutionary Programming & Its Application in Economic Dispatch Problem	Gonggui Chen
90069	High Voltage Power Line Temperature and Strain Simultaneous Measurement Research Based on FBG	Xingrong Li
90080	An Enhanced Model for Siting, Sizing, Timing and Determining the Service Area of MV/LV Transformers	Jamal Moshtagh

Paper ID	Paper Title	Author
90087	Uncertainty Assessment of Sensitive Equipment Failure Probability Caused by Voltage Sags	Zhi-Jian Yuan
90101	Novel strategies for process monitoring in power plant and their comparisons	Zhi-gang Su
90103	Risk Analysis of National Electric Power Infrastructure Suffering From Terrorism Attack	Jianfeng LI
90138	Application of Kalman Filter Method Based Movement Model in the Dam Deformation Forecast	Fumin Lu
90152	An Accurate Method of Interharmonics Identification via RELAX Algorithm	Yu Ji
90185	The Software Subsystem of Building Power Consumption Monitoring and Management System	Yong Pan Chen
90193	Realization of Intelligent Alarm System for District Power Network	Jiao Ming
90219	Application of AMR Based on Powerline Communication in Outage Management System	Honghai Kuang
90224	Game Models and Analysis of the China's Power Market	xun-cheng HUANG
90233	A Novel Busbar Protection Based on Fault Component Integrated Impedance	Jiale Suonan
90265	Reactive Capability Assessment of Regional Power System Based on Voltage Stability	Zheng Wu
90343	Interval Evaluation of Voltage Sag Magnitude and Frequency in Distribution System	Wenwu Yang
90348	S-Transform and Scale Zooming Based Classification for Short Duration Power Quality Disturbance According to Partial Similarity	Mao Yang
90372	Intelligent Automatic Layout of One-line Diagrams for District Electrical Distribution Network	Ruixing Lin
90384	Faraday effect optical current/magnetic field sensors based on cerium-substituted yttrium iron garnet single crystal	xiaojing Ni
90405	Simulation on Faulty Line Selection of Small Current Grounding System Based on Wavelet Transform	Xinyu Dou
90413	Analyse on Relay Maloperation of Assembling Capacitor Bank for Internal Fault Protection	Liang Ma
90426	Application Research on Evaluation of the Sulfur Dioxide Discharge in Power Plant	Wu Yunna
90430	CAN Data Acquisition and Calibration System Based on USB Interface	Yan Wu
90464	Gaussian Research of Turbine Faults Diagnosis Base on Mixture Models	xiufeng chen
90482	Research on Multi-Power Management System of High-altitude Airship	Ma Yunpeng
90496	Study on Optimization Model of AGC Dispatch Schedule in the Energy Saving Dispatch	Yan Geng
90505	Smart selection of connection modes in distribution system based on basic element theory	Yuhuai Wang
90507	Application of Flicker Source Location System in Fujian Grid	Zhenguo Shao
90525	Application of improved IAHP to urban power system's planning and decision-making	Li Yanqing
90529	Based on Quasi-synchronous Sampling Harmonic Analysis Method and Its DSP Realization	Weiying Tao
90537	Reduction of Eddy Current Losses in Power Cable Systems Based on Phase Optimization	yongchun liang
90552	A Method for Assessing Power System Security Risk	bo wang
90563	An Detection Method for Steam Turbine Flow Path Fouling Based-on Support Vector Regression	Lei Wang
90568	Study of Traveling Wave Fault Location in Mine	Shu Tian
90576	Fault Location for 10kV Distribution Line Based on Traveling Wave – DC Theory	Feng Yan
90602	Chance Constrained Transmission System Expansion Planning Method Based on Chaos Quantum Honey Bee Algorithm	Kuo Tian
90616	Automatic Generation of Transmission Network Single-Line Diagram for Dispatching Large Screen	Jianmin Zhang
90618	The Research of Power Quality Real Time Monitor for Coal Power System Based on Wavelet Analysis and ARM Chip	Xian-Min Ma
90622	Online Identification of Low-Frequency Oscillation Based on Principal Component Analysis Subspace Tracking Algorithm	Fangzong Wang
90627	Ａ Model Parameter Identification Based Bus-bar Protection Principle	Xuyang Deng
90631	Multi-attribute Evaluation Model and Application on the Social Responsibility of Power Enterprise	Ming Zeng
90633	An Integration Methodology and Dynamic Diagnosis Algorithm for Online Fault Diagnosis of NPP	He Wang
90656	A Study of Flexible Reactive Power Planning Based on Multi-scenario and Reactive Power Division Technique	Liang Du
90658	Discussion and Researching on Dynamic Reactive Power Plainning	Liang Du
90664	The Application of Data Warehouse Technology In Security Assessment Management System	Shou fei Pan

Paper ID	Paper Title	Author
90671	Online monitoring and fault diagnosis system of Power Transformer	weixuan li
90693	Research on Ultrasonic Array Location of two PD Sources in Power Transformer	Qing Xie
90709	Transformer Fault Gas Forecasting Based on the Combination of Improved Genetic Algorithm and LS-SVM	qing xie
90713	Research on PD Number Estimation in Oil Based on Ultrasonic Array Sensors and Modified CCT	Xin XIANG
90722	Ice Monitoring on Overhead Transmission Lines with FBG Tension Sensor	Guo-ming MA
90723	Research on Nuclear Facilities Decommissioning Engineering Support System Framework	ZHongKun LIU
90769	Turbine Rotor Vibration Faults Diagnosis based on Wavelet Packet Analysis and the Largest Lyapunov Exponent	Bo Yan
90773	Power Quality Disturbances Recognition Based on PCA and BP Neural Network	Nantian Huang
90779	Analysis of Braided River Deltaic Depositional System in the Eastern Sag of Liaohe Basin	Lihua Gao
90809	Study on creep life of the blade for scientific management of gas turbine	Jiang-jiang Zhu
90845	The Classification Method of Price Response Sensitivity Based on Time Delay	JUNYU YAO
90853	The Multi-objective Medium and Short-term Trade Planning correction for Environmental Protection and Demand Response	He fei Hou
90859	Var Support Cost Allocation Based on Branch's Complex Power Components	Ming Wen
90911	The Influential Mechanism of Rebound Effect within Chinese Energy Efficiency	Li Li
90913	The Relationship among Economics, Energy Consumption and Exhaust Emission in Chinese Industry Using Grey System Theory	Li Li
90916	Application of Evidence Theory in Transformer Fault Diagnosis Based on Distance Measure	Jianyuan Wang
90924	Combining KPCA with Sparse SVM for nonlinear process monitoring	Jie XU
90926	PMU Configuration Scheme of Regional Power System and Dynamic Voltage Stability Online Evaluation of Substation	Dongxiao Niu
90950	Numerical Study Of Greaphite Foams Saturated With Phase Change Materrials In Power System Thermal Mmanagement	Bin Wu
90965	Application of Quantum Neural Network Based on Rough Set in Transformer Fault Diagnosis	Xianwen Ren
90969	A New Method for Improving the Accuracy of Theoretical Line Loss Calculation by SE and HPSO	Zhigang Lu
91009	A Novel Method of Substation Configuration Based on the Virtual Impedance	Jinfang Zhang
91016	Vibration Failure Analysis during the Process of Exciter Transformation	Tao Sun
91028	Forecasting Method of Microprocessor Protective Device State Trend Based On LS-SVM	youwen tian
91037	Research on the Solution of Power Supply Enterprise Line Loss Management	Yan Feng
91042	Coordinating optimal model of generation quipments long-time maintenance scheduling in market	Ming Zeng
91047	Post-Evaluating of Wind Power Project Based On AHP Model	Chongming Liu
91057	A Power System Fault Diagnosis Method based on Mutual-Information Network	Yang ZHANG
91100	New Principle of Single-Ended Fault Location Base on Verification for Transmission lines	Jiangtao Yu
91106	Fluid Characteristic Research of Cooling-Water on Stator waterway Blockage in Turbo-generators	Li junqing
91107	Risk Assessment of XLPE Power Cables Based on Fuzzy Comprehensive Evaluation Method	Jia-jia Huan
91131	Application of RBF Neural Network Based on Wavelet Packet denosing and EMD method in fault diagnosis for turbine generator	Juan-ning Si
91148	Design of Offshore Wind Turbine Foundation Monitoring System Based on Excel	Zhang Yongli
91168	The status of Arch Arc in the High-speed electrified railway	mingli Deng
91169	An Approach of Insulation State On-line Monitoring and Fault Diagnosis for Generator and Its Application	Qiodong Sun
91210	Research on visualized monitoring of electricity overhauling hanging grounding wire	Jiajun LIU
91219	A Quantitative Evaluation Method of Human Computer Interface's Input-side of EMS	quansheng zhu
91226	Indicators for Voltage Collapse Margins	Claudia Reis
91229	A Efficient Method for Computing Incremental Transmission Losses Based Upon the Method of DC Power Flow	Yan Zhang

Paper ID	Paper Title	Author
91242	A Distributed Fault Diagnosis Approach in Power System Based on Fuzzy Reasoning Petri Net	jianwei yang
91244	Diagnosis Method Based on Skewness Wave and Information Divergence for a Diesel Engine	Huaqing Wang
91250	A new Approach of Power Quality Disturbance Classification Based on Rough Membership Neural Networks	Lixia Wang
91264	Research on Management Information System of Rural Photovoltaic Plant Equipment	Guo peiyuan
91282	New power system for robots on transmission line	Xinghai Zhang
91291	Single Terminal Fault Location Based on Improved Fault Recorder	Daomin Zhu
91305	Multipurpose Balancing Optimization Method for Power Generator Set	Xining Zhang
91326	Design and implementation of inference engine for fault prognosis in Power System	Zhiying Xiang
91336	Optimizing Configuration Method of Rural Wind/Water/PV Hybrid Generating System	fan zhang
91355	Analysis on the Influence of Measurement Precision of the Battery Management System on the State of Charge Estimation	tingting dong
91362	A novel method for fault location based on two-terminal unsynchronized data	Xun Li
91363	Simulation Based Multi-experts Evaluation Method for Human-machine Interface Design of Main Control Room	YAN Shengyuan
91380	A New Twelve-Sequence Components Method for Fault line selection of Four-Parallel Transmission Lines on the Same Tower	Xu Peng
91382	A CMOS Low-Noise, Low-Dropout Regulator	Qingyun LI
91398	Optimal Model of Multi-objective the Distribution Network Planning Based on Rough Set Theory and Fuzzy Optimized Algorithm	Si qing Sheng
91405	Voltage Flicker Detection Based on Chirp-z Transform	kang wei
91414	A Frequency Detection Algorithm Based on dq Coordinate Transformation	Wei Zhou
91438	An Islanding Algorithm to Restore a PMU Installed Power System	Seyyed Arash Nezam-Sarmadi
91440	Algorithm Improvement for Complex Distribution Network Reliability Evaluation and Its Programming	Yi-xiong Jin
91448	Study on Bidding Strategies of Power Suppliers with Asymmetric Generation Capacity	Wenxia You
91461	Engineering Application of Labeling System in Power Plant	xinghai zhao
91463	The Optimal Bidding Based On the Prospect Theory	Jikeng Lin
91464	Integral Planning for Distribution System	Jikeng Lin
91467	A Novel Current Control Method for Three-Phase APF Based on Switched Affine System Model and Quadratic Stability	Xiaoyun GUO
91469	A DFP-Neural Networks Algorithm for Analysis of Power System Harmonics	Qin Si-shi
91473	Performance Analysis of Parallel Inverters Control System Based on Current Tracking	wei yongqing
91476	Detection of transformer cores looseness using RQA	Jie Guo
91486	Study on fault eigenvalue reduction approaches based on rough sets theory	li han
91510	Sensitivity Analysis of CO2 Storage Coefficient and CO2-EOR	Xinwei Liao
91511	The Viscoelasticity of Polymer Solutions is The Main Factor Influencing Sweep Efficiency	Qi tao
91522	The Characteristic Study of the Superheated Vapor Heat Recovery System	Chao Zhang
91523	The Stability Study of the GWHP System with Superheated Vapor Heat Recovery	Chao Zhang
91524	The Performance Study of the GWHP System with Superheated Vapor Heat Recovery	Guanghai Zhou
91528	Developing PC-Based Automobile Diagnostic System Based on OBD System	Hu Jie
91529	Design of Humidity Sensor for Anti-condensing in Switchgear	Shuguang Liu
91546	FACTS Allocation Based on Expected Security Cost by Means of Hybrid PSO	Rony Seto Wibowo
91588	Research and Development of Integration of Graph, Model and Database Tool In Power Plant Relay Protection Intelligent Setting Calculation System	Hong Zhang
91593	Application of Network Technique In Transformer Fault Diagnosis	Qi-ping Yang
91606	An Overview of the Analysis of Cascading Failures and High-Order Contingency Events	Fangxing Li

Paper ID	Paper Title	Author
91637	Review on Power Emergency Response System at Home and Abroad	Hui Hou
91653	Sinusoid Approximation of Instantaneous Signal for Power System--Theory and Method	jian luo
91656	Sinusoid Approximation of Instantaneous Signal for Power System--Definiteness Analysis	kunyao xu
91660	An Enhanced Differential Evolution Approach to Service Restoration of Distribution Systems	Chao-Ming Huang
91673	Service-Oriented Internal Audit to Secure the Sustainable Development of Power System	wei zhang
91682	A Novel Technique for Preventing Current Method Electricity-stealing	Gujing Han
91727	The calculation of Transfer Reliability Margin based on the probabilistic load flow	Dong Lei
91756	Analysis of voltage sag source location based on wavelet-multiresolution method	Xuemeng Zhang
91760	Research on Conformation and Dissemination Mechanism of Power Enterprise Reputation	lihua che
91763	Application of the Petri Net in Power Transformer Diagnosis	Jun Wang
91775	Analysis on Storage Power of Electric Vehicle Charging Station	Zhenpo Wang
91793	Risk Assessment of Six Indicators in Power System Operation	Jingdong Yan
91830	Design of Circuit Supervision and Monitoring System	CHANG YONG ZHANG
91866	Extended Real Model of Kalman Filter for Power System Harmonic Measurements	Cheng-I Chen
91870	Adaptive Hysteresis Window Control (AHWC) Technique for Hysteretic DC-DC BUCK Converter with Constant Switching Frequency	Xiaohui Wu
91877	Discussion and Proposed Modification of the Available Reactive Power Pricing Models	YANG FAN
91929	Research on Online Static Risk Assessment for Urban Power System	Ruoxi Liu
91930	Energy Audit of Building: A Case Study of A Commercial Building in Shanghai	xin wang
91971	A Study on SCADA Graphics Elements Library Based on SVG and Batik	Jian WANG
91993	Design of a Dual-mode Clock Generator based on a PLL structure	zhou yin
92031	An improved binary particle swarm optimization for unit commitment problem	Jin Lang
92036	A Novel PWM Controller IC For LED Driver With Frequency Spread	Lingling Dong
92042	Prediction of Audible Noise from UHV AC Transmission Lines Based on Relevance Vector Learning Mechanism	Lin Niu
92057	Considerations about China Coal Fire Power Plant and Backup Technology—CCS	Xiangyang Xu
92059	A Fuzzy Game Scheme for Unit Maintenance Scheduling with Uncertain Cost Factors	Ali Haji Agha Bozorgi
92086	The Probelems Emerging in Developing the Huge Power Grid	Dan Shuheng
92092	The Arsac Array as an Alternate Four-Probe Method for Rapid and Labor Saving Measurements of Ground Soil Resistivities	Leonard Chow

Poster Session 6

Ballroom C, 3rd floor, Crowne Plaza Chengdu

14:00 - 16:00, Wednesday, March 31

Paper ID	Paper Title	Author
90011	Application of Multiple-model Adaptive Control in Interconnected Power System	Xiaoying Zhang
90071	Optimization of the injection parameters in the region of water and polymer flooding together in type II oil reservoir	Chunsen Zhao
90075	Fast Computing Model for Multi-objective Reactive Power Optimization	Xiaobo Du
90090	RVM and SVM for Classification in Transient Stability Assessment	Duan Qing
90117	Power Load Forecasting Based on A Hybrid Optimum Training Algorithm Embedded with Chaos Sequence	Liu Fan
90141	Local Voltage-Stability Margin Based on Short-Circuit Capacity	Guiping Deng
90143	A Novel Distributed Busbar Protection for Digital Substation	guibin zou

Paper ID	Paper Title	Author
90191	Probability Analysis of Voltage Collapse Based on Ranking Fuzzy Rough-set Load Clustering	Dongkun Han
90199	The Cointegration Analysis of the Structure in Energy Demand of China Based on Error Correction Model	Yanhong Li
90205	Assessment of Electric Power Equipments Aging Trend Based on Robust Locally Weighted Regression Algorithm	Wenxia Liu
90211	Flow Simulation and Optimization of an Integrated Gasification Combined Cycle for Coal Gas, Heat and Power	Z.Y. Zhao
90218	A New Approach for Reactive Power/Voltage Optimization Control of Regional Grid	Yuexin Dong
90235	Powertrain Control Strategies Overview for Hybrid Electric Vehicles	DUAN Wei
90236	Research and Implement of Distribution Network Management System Based on Ajax	Tong Jiang
90255	Long Term Voltage Stability Enhancement Using Direct Dynamic Optimization Method	Wenjie Zheng
90257	A New Hybrid Optimization of Reactive Optimization and Voltage Stability	ZHOU LING
90277	Method of Measuring Power Quality and Development of Monitor Device	Shuying Yang
90278	Synchronization Controlling of An Energy Resource Chaotic System via Partial State Feedback	Jigui Jian
90295	An effective method for tracing singularity induced bifurcation of DAE of power system	Xingyong Zhao
90312	The Application of Two New Integrated Models in Short-Term Load Forecast	Xu Jian
90316	Basic Method of Building UDC Model for RTDS Simulation	Zhiheng Xu
90323	Analysis on Grid Structural Vulnerability Based on Optimal Branch Limit	Liu Qunying
90330	Study of Load Shedding Procedure for Power System Voltage Stability	Jianyuan Xu
90354	Modeling Electricity Price Forecast with Grey and Correlation Method in Competitive Markets	Mingli Lei
90360	Probability Distribution of Feeder Current of Electrified Railway Traction	kai-lin tang
90364	Design and Application of a Centralized Monitoring System for VRLA Based on Electric Power Telecommunication Network	Hui Bao
90373	A Integrated Power Flow Algorithm for Radial Distribution System with DGs Based on Voltage Regulating	Qingzhen Liu
90380	The Application of Autonomous Decentralized AVC System in Regional Power Network	Jishan Ma
90450	Numerical Simulation and Optimazation of Small- Scale LNG Plant for Skid Mounted	Hongpeng Du
90471	Research on Simulative Generator of Two Typical Types of Rectifier Load	baoran wang
90474	Load Curtailing Strategies Considering Impacts of Interruptible Load on Spot Prices	Ruiqing Wang
90476	Short-term Electricity Price Forecasting Based on Grey System Theory and Time Series Analysis	Ruiqing Wang
90481	Technical and economic assessment of voltage sag based on stochastic prediction	ZHANG Xue-meng
90497	Feasibility Analyzing of Removing Line Trap Based on Graph Theory and GIS	Wenxia liu
90504	An Optimal Strategy for Short Circuit Current Limiter Deployment	Lili Chen
90509	Safety research in typical connection models of distribution system	Jiandong Si
90521	A Novel Hybrid Multiagent-based Particle Swarm Optimization for Distribution Network Reconfiguration	Chuanjian Li
90523	Research of the best connection based on load fusion	Huidong Wang
90524	Research on High-speed Dynamic Balance of Flexile Magnetic Suspension Rotor	Shuangyan Ren
90536	Modeling of a Large Scale UHVAC DC Power Networks Based on PSCAD EMTDC	Xiuyu Chen
90553	The Aging Diagnosis of Solid Insulation for Oil-Immersed Power Transformers and Its Remaining Life Prediction	Lin Chaohui
90561	A High-Precision Algorithm for Phasor Measurement Using Mathematical Morphology	chao wang
90584	Study on Inhibition Effects of Bioactive Substance in Leaves on Mould by Energy Saving Technology	ma qingzhi
90586	Study on Pollution Control Measures of Electromagnetic Radiation Based on Ideas of Energy-saving	zhang xu
90588	Simulation and Analysis of Short Circuit in 1000MW Synchronous Generator Based on Simulink/SPS Module	Zhao Liang
90592	Search on an New Index of Evaluating Thermal Economy for Regenerative System	Ruiqing Zhang
90600	Study on Small Sample Data Parameter Identification for Power System Static Load Model	AO Pei
90601	Research of Optical Fiber Level Transmitter Based on Optical Amplifier	Shuqing Zhang
90612	Strategy and Risk Assessment of Power Supply Enterprises to Implement EMC	Ming Zeng

Paper ID	Paper Title	Author
90638	Loss Analysis and Optimization Design of parallel Resonant Dual Voltage Converters	chenhu yuan
90647	Optimal Scheduling of Hydrothermal System Based on Improved Particle Swarm Optimization	wenping chang
90678	Analysis on Electromechanical Disturbance Propagation in a Finite Length Uniform Chain Discrete Power System	Delin Wang
90703	An Interior Point Method Based on Nonlinear Complementarity Model for OPF Problems with Load Tap Changing Transformers	bin li
90728	Simulation on Spontaneous Combustion in Mining Goaf	WANG yuehong
90741	The optimal power purchase of distribution utility considering the impact of decision-making	XiaoLI Bai
90746	Thermal Analysis for Fighter Aircraft Fuel System	Xiaoru Wanyan
90759	The Co-simulation Extending for Wide-area Communication Networks in Power System	Xiaoyang Tong
90760	Electricity Load Forecasting based on Energy-saving and Emission Reduction	Jie Gu
90768	Application of Embedded Self Arithmetic in Learning Digital Relay Protection Device	Lin ZHU
90777	Study on Hybrid Control and Harmonic Analysis of Inverter for Programmable AC Power Source	Chuanbiao Peng
90813	Strategy and model of power purchase optimization of Provincial Grid Corporation under electricity market	Jianbin Zhao
90815	Generators' Reserve Equilibrium Relationship Based on Game Theory and Opportunity Cost	Jianbin Zhao
90819	Study on Large Asynchronous Motor Starting Check for Auxiliary Power System	fan Zheng
90822	Damping Controller Design Based on Wide Area Measurement	Ke Luo
90823	Short-term Load Forecasting based on Wavelet-Particle Swarm	Yin Xin
90827	The Study of Nonlinear DC Power Modulation Control in Multi-infeed HVDC	Lin Zhu
90850	Water Supply Cost-Sharing of SNWTP	Na Li
90915	Effect of L/D Ratio of Combustion Chamber on Premixed CH ₄ -Air Flame Dynamic Behavior	song xiaolei
90939	Evaluation and Research for the core competence of Power Supply Company	Jianbin Zhao
90944	Experimental Study about optimal operating conditions of the Steam Turbine	Lv Yongxing
90962	Coordination And Optimization Of HVDC Modulations Using ChaoticOptimization Algorithm in DC/AC Power System	xiyun zheng
90966	Disturbance Source Identification of Voltage Sags Based On Hilbert-Huang Transform	Liang Yang
90977	Detection and Location of Power Quality Transient Disturbance Based on Lifting Wavelet	Chun-ling CHEN
90978	Study and Development of Marine Power Station Simulator	Cheng Shouyu
91003	Research on a Control Strategy for an Electric Sanitation Vehicle	Xiao-hua WU
91012	IEEE9 Buses System Simulation and Modeling in PSCAD	Hongyan Teng
91030	Research on High-Frequency Asymmetric Pulse Power Supply of Current Source	Xiping Huang
91043	Nonadditive Measure and Assessment Method of the Failure Possibility of Sensitive Equipment Due to Voltage Sags	Yuan-Bo Li
91052	Synchronous Generator Model Transformation Between BPA And PSCAD	Hongyan Teng
91081	Co-phased traction power system based on balanced transformer and hybrid compensation	Zhou Fulin
91084	The optimized match method enhances the energy efficiency ratio (EER) of room air-conditioner	zhiyuan wang
91096	Research on Energy Demand Forecast with LEAP Model Based on Scenario Analysis - A Case Study of Shandong Province	Qingsong Wang
91097	Study on Generation and Transmission Maintenance Scheduling Under Electricity Market	Shuangmei Zhang
91103	Observer-Based Active Control of Torsional Vibration for Large Turbine-Generator Shaft System	Liming Feng
91114	Modeling and Analysis of Large Scale Power System with Multi-infeed HVDC by EMTDC	Xiao-hua Li
91116	Total Daily Solar Irradiance Prediction using Recurrent Neural Networks with Determinants	Shuanghua Cao
91141	Efficiency Improvement Research on Single-stage Power Factor Correction	Li Zhensen
91144	Quantitative Analysis Models for Shanghai Electricity Market	Liu Dun-nan
91194	An Automatic System for China High-speed Multiple Unit Train Running Through Neutral Section with Electric Load	Zhengqing Han
91218	Electric Connectivity Analyzing for 10kV Distribution Network Based on GIS	Wei Zheng

Paper ID	Paper Title	Author
91220	Traction Power System Model and Simulation for Estimation and Forecast of Traction Load	Hang Liu
91224	Voltage Stability Analysis Considering Dynamic Characteristic of Induction Motor Loads	Zhijun long
91245	The synchronous generator digital excitation regulator	Linlin Ma
91271	Novel Optic High Voltage Transducer Based on Gaussian Quadrature Method	Shiwu Xiao
91345	The Design of Comprehensive Compensation in Traction Substation Based on Measured Data	Dayun Zou
91407	Experimental and Simulation Research on the Low-Frequency Oscillation of a 4-wire 12-Phase Generator-Rectifier-load system	Wei Keyin
91413	Energy-based Robust Control of Power Systems with SVC and Nonlinear Loads	Yanhong Liu
91425	Thailand's Power Energy Strategy	Junyong Zhang
91433	Synthesized Power and Frequency Control Strategies of Wind Power Energy Storage Systems	Xue Hua
91442	Analysis of Loss Compensation on Generation Rights Trade by Circuit Theory	Ai Dongping
91443	The performance optimization of a standing-wave thermo-acoustic engine	Kun Wu
91455	Vulnerability Assessment for Power Grid Based on Small-world Topological Model	Sheng Xiao
91456	Numerical Simulation of Injection and Mixing on New Power Systems of Liquid-Fueled Pulse Detonation Engines	Guo Yanli
91477	Currency Structure Optimization in China's External Debt Management	Xuyun Bai
91478	Numerical Computation of 3D Temperature Field in an Automobile Claw-Pole Generator	zhu weiguo
91483	Study on Improving the Efficiency of Supercharging Lean Burn LPG Engine by Optimizing Compression Ratio and Distribution Phase	Dawei Qu
91494	Study on the Evaluation for the Risk of Supply Chain Based on SCOR Model by Using Fuzzy Comprehensive Method	jie tan
91514	Improved Catastrophic Genetic Algorithms And Its Application In Reactive Power Optimization	Sen Ouyang
91540	Analysis of the Impact of Energy-Saving Factors on the Heating System with Distributed Variable Frequency Pump	dongwen yao
91589	Second Order Sliding Mode Control of Flux and Torque for Induction Motor	Zhifeng Zhang
91591	Study on Global Optimization of Plug-In Hybrid Electric Vehicle Energy Management Strategies	Chenghong Yang
91595	Feasibility Study of Running State Estimation Software in a Large Power System with a Very Weak RTU Coverage Condition	Ali Mazhabjafari
91601	The Study and Evaluation of Multi-phase PMSM Variable Speed System with Hight Performance	Hongyang Zhang
91611	Design for H_{∞} Excitation Controller Based on Fuzzy T-S Model	Baohua Wang
91613	Study on Harmonic Detection Methods In Traction Power Supply System	Wenlei Zhao
91618	A New Method of Calculating Complex Power Dynamic Distribution factors by Circuit Theory	Dongping Ai
91620	Energy Consumption Model of Urban Transportation Based on Road Network Capacity	Ning Chen
91622	Investigation of the Imbalance Current Compensation for Transformers Used in Electric Railways	Chenxi Dai
91633	Hybrid Differential Evolution Particle Swarm Optimization Algorithm for Reactive Power Optimization	Shouzheng Wang
91635	Probabilistic Static Voltage Stability Security Assessment for Power Transmission System	Dongtao Wang
91649	A Novel Hybrid Power Flow Algorithm for Distribution System with DGs	Limei Zhang
91657	A New Approach to the Calculation of Reclosing Time for Adaptive Auto-reclosure	Renwang He
91668	Method to Calculate the Critical Non-Icing Current on Transmission Line Considering the Impact of Humid Air Parameters	Qing Shen
91702	Protective Relaying On-Line Setting Calculation System	Xin Chen
91757	Comparison and Analysis of Dispatching Protocolsin China	li zaihua
91772	Design of Relay Protection Simulation Training System For Hydropower Station	Wenwu Li
91833	Modeling the Combustion of Coal in a 300MW Circulating Fluidized Bed Boiler with Aspen Plus	Zhihui DONG
91853	Research on Economic Dispatch Model of Combined Power System	Ling Zhou
91863	PWM/PSM Dual-mode Controller For High Efficiency DC-DC Buck Converter	Yidie Ye

Paper ID	Paper Title	Author
91882	Application of Neural Network-based Combining Forecasting Model Optimized by Ant Colony In Power Load Forecasting	Dongxiao Niu
91908	Experimental Study of Effects of Thermocline on the Performance of Underwater Glider's Thermal Engine	Hai Yang
91914	Research on Design and Application Based on TCSC Optimal Model for Congestion	Fei Li
91915	Modeling and Simulation of Metro DC Traction System with Different Motor Driven Trains	Fang Du
91936	Saturated Excitation Control of Multi-machine Multi-load Power Systems Using Hamiltonian Function Method	Jianyong Li
91953	Distinguishing between Perfect and Faulty Insulators by Bispectrum and Classifier	Kang-zhen WEN
91955	Video System Linkage Control with Relay Protection in Digital Substation	YongChun Su
92026	Study of Active Power Load-flow Algorithm	Qian Chen
92034	Design of a Damper Winding Currents Observer of Twelve-phase Synchronous Generator for Parameters Identification	chen xiangyi
92052	Optimization Design Investigation of Volute tongue in Indoor Air-conditioner	Zhongmin Wan
92054	Selection of Global Input Signals for Wide-area PSS to Damp Inter-area Oscillations in Multi-machine Power Systems	li chunyan
92072	Economic Incentives for DistributionNetwork Optimization with Distributed Generation	xiaotao zhong
92094	Forming Mechanical Model of the finite strip in cold-formed steel Based on Multi-intelligence Agents	juncai zhang
92130	Analysis of Magnetizing Surge in a no-load Transformer during Blackstart	Yunhai Zhou

Poster Session 7

Ballroom B, 3rd floor, Crowne Plaza Chengdu

16:00 – 18:00, Wednesday, March 31

Paper ID	Paper Title	Author
90017	Optimization of connected relation between injection and production on simultaneous waterflooding and polymer flooding in under-productive oil layers in North-two-West block	Chun-sen Zhao
90020	Oil-water 2-phase percolation theory for horizontal and vertical well patterns	ling song
90053	Potential and future prospects of biomass production in saline soils	Jianfeng Zhang
90070	Study on the three-phase software phase-locked loop based on d-q transformation	xu renzhong
90085	Impersonal Probability Assessment of Equipment Trip Probability Due to Voltage Sag	Ying Wang
90172	Design and Implementation of 500KV Power Grid Running Centralized Control Center	Ying ZHANG
90177	Authentication Key Exchange Protocol for IMS Network	Fang Xu
90186	Fuzzy Control Strategy for the Dual-motor Electric Tracked Vehicle Steering Rapidity	Ze-yu Chen
90226	Permit Allocation Options:Auctioning or Grandfathering	ruigui yang
90230	A Replica Location Method in mobile grid	xiaodong yan
90238	Research on Life-Detection Based on Electromagnetic energy	Xiao-qin WEN
90271	A Novel Dynamic Partitioning and Active-Splitting Strategy in Power System Emergency Control	Lin-feng WU
90280	Simulation For 2D Flows And Water Quality in Curvilinear Coordinates	wenli wei
90281	Numerical Simulation of 2D Flood Waves Using Shallow Water Equations	wenli wei
90282	A Higher Order Upwind Scheme for Three-Dimensional Finite Difference Model of Conservative Pollutants Transport	yuling liu
90287	Numerical Solution of 2D Flow Using a Local Coordinate System	wenli wei
90288	Two-Switch Dual-Buck Grid-Connected Inverter with SPWM Control and Single Current Sensor	Zhilei Yao
90299	Based on Multi-bus Control of the Wireless Sensor Network Nodes	YANG YAN
90307	The Research of Direct Torque Control of Five-Phase Permanent Magnet Synchronous Motor	Zhong Qi
90308	Improved Control Strategy for Dual-Buck Full-Bridge Inverter with Single Current Sensor	Zhilei Yao
90314	MPC-based Load Shedding for Long-term Voltage Stability Enhancement UsingTrajectory Sensitivities	shuiping liu
90332	Study on Optimization Method of Waste Haulage in Wulongquan Open-pit	Lei LV

Paper ID	Paper Title	Author
90333	Forecasting model based on gray-exponentially smoothing and applied in prediction of safety accidents	Ying-ying Li
90344	Programming Model and Method for the Customer Friendly Distribution System	Jie Shen
90346	Design of navigation system for the inspection robot in unattended operation substation	peng wei
90357	Synergistic Effect of the Microbial Consortium Degrading Polycyclic Aromatic Hydrocarbons	Jing Wang
90370	Power System Model Based on CIM and its Application in AVC System Using a CIM Toolkit	Jialei Xing
90417	Bearing Capacity Analysis of Plate Girder Splice Bolts of the Boiler in Power Station	Meng WANG
90431	Real-time and Reliability Analysis of FlexRay Bus	Chenglin Liao
90445	Layered Modeling of Event Sequence Diagram for Dynamic Reliability Analysis of Nuclear Power Plant	Haiyan Xie
90510	Control Strategy for Steering in Braking Process of Dual-motor Electric Tracked Vehicle	Ze-yu Chen
90526	Modeling and Implementation of Incentive Interruptible Load Contracts in Electricity Markets	Weiguo Si
90603	Bottleneck Problem Structure of Technical Economy to Strong Smart Grid in China	Ming Zeng
90604	Method of Capacity Compensation for Independent Distributed Generation in Distribution Network within the Context of Smart Grid	Ming Zeng
90605	On-line Islanding Operation Based on CSP	xuedong li
90607	Orderly Consumption and Intelligent Demand-side Response Management System under Smart Grid	Guofeng Yang
90611	Research of the problems of renewable energy orderly combined to the grid in smart grid	Ming Zeng
90621	Binary Particle Swarm Optimization Algorithm for Control of Single-Phase Full-Bridge Inverter	Wu Haitao
90623	An analysis of economic growth drag of energy resource in China	Qiong He
90624	The Unscrambling of Marginal Cost Algorithm in Power Market	Cheng Qian
90667	The Utilization and Development Strategies of Smart Grid and New Energy	Deqiang Sun
90681	New IP QoS Algorithm Applying for Communication Sub-Networks in Smart Grid	Ting Yang
90714	An Analytical Method of Current Distribution Factors Based on Circuit Theory	li YAN
90748	Statistics Analysis of death Accident in Coal Mines from January 2005 to June 2009	liu xiaoli
90756	Energy Saving Generation Dispatch for Sustainable Development of Energy Utilizing in China	Tianqi Liu
90784	Study on the Regulating Storage of Cascade Reservoir in Reasonable Size	Cao Hui
90801	The Fault Diagnosis of Aircraft Generator using Fuzzy Petri Nets	Ping Xu
90825	The All-digital Electrical Energy Metering System Based on Optical Current and Voltage Transducer	Huayun Yang
90836	The Research of AMR in Smart Meter	Wei-xuan LI
90838	Power Monitoring Device based on Peer-to-Peer Communication	Guangqiang Tang
90866	A Study on Intelligent Warning in Power System Dispatching	Ying Liu
90872	Research on the control strategy of inverters in the micro-grid	BiYing Ren
90877	A Probabilistic Load Flow Method with Consideration of Random Branch Outages and Its Application	Lei Dong
90888	Ultra-Real time Short Circuit Current Computing Based on Ultra-Short term Load Forecasting	Rui Pan
90940	Parallel Intelligent Decision Supporting System of Underground Powerhouse Construction of Large Hydroelectric Power Station	Annan Jiang
90943	Power Quality Disturbances Identification Based on dq Conversion, Wavelet Transform and FFT	Zhao Yan
90949	Influence of Transformer Calculating Model to the Fairness of Loss Modification	Weimin Chen
90952	Study on Characteristics of Multi-Phase Rectifier System Based on Phase-Shifting Reactor	Kong Ning
90970	Response and Protection of DFIG System under Grid Fault	Qin Li
90986	Ponder over Advanced Metering Infrastructure and Future Power Grid	Jingchao Zhang
90999	Methods Comparison and Simulation of Transformer Harmonic Losses	Li Pei
91018	Data Acquisition and Analysis System for Distributed Cogeneration Heat and Electrical Power Plant	Jianmin Zhang
91023	Calculation of Reactance Parameters in Claw Pole Motor based on Three-dimensional Magnetic Field	Xuejun Ma

Paper ID	Paper Title	Author
91024	Reactive Power Optimization in Smart Grid With Wind Power Generator	Wei Xiwen
91027	Research of Distribution Generation Planning in Smart Grid Construction	Xia Lili
91071	Post-treatment of Coal Gasification Wastewater Using a Moving Bed Biofilm Reactor in Present of Methanol	Hui-qiang Li
91087	On Small Signal Stability Early Warning Based on Measurement Data of WAMS	Tao Lin
91092	Numerical investigations of energy separation into a vortex tube	shaowei zhou
91101	Research on Control Strategy of Direct-drive WPGS Based on Adaptive Resonant Regulator	Zhen Xie
91110	Design And Heating Performance Of Solar-Assisted Heat Pump Water Heater With Truncated-Cone-Type Evaporator	Lan Qing
91124	Optimal Power Flow of Receiving Power Network Considering Distributed Generation and Environment Pollution	xingying chen
91126	Study on Fault Section Determination Algorithm for Distribution System With Multi Micro-Grids	Wei Cong
91146	Network Analysis and Algorithm of Microgrid Reliability Assessment	Yi LUO
91193	Research on the Ship Electric Propulsion System Network Power Quality with Flywheel Energy Storage	Conghui Zhang
91205	Study on Dynamic Peak Power Compensator	Ke Li
91247	Design for digital integrator of Rogowski coil based on pipeline structure	Zhang Xin
91283	Development of 42V Automobile Brushless Alternator with Combined Stator	liweishi
91333	Performance evaluation of energy-economy-environment for 30 provinces in China	Wenchao Wang
91343	Prospects for and Applications to Microgrid Technology	Limei Zhang
91370	Application of a Non-linear Classifier Model based on SVR-RBF Algorithm	Yan qing Li
91371	Integrated Single-Phase Inverter with an Auxiliary Step-Up Circuit for Low-Voltage Alternative Energy Source Applications	Ching-Tsai Pan
91393	Design And Experiment of Silencer for Discharging Waste Water of High Temperature And Pressure In Nuclear Power Plant	zhou jie
91465	Reliability Evaluation for Distribution System with Distributed Generation	Jikeng Lin
91489	Power Flow for Distribution Network with Distributed Generation	Xiaobo Tang
91490	μ synthesis control of proton exchange membrane fuel cell generation system based on D-K iteration method	Qi Li
91530	The Quasi-synchronous Sampling and its Algorithms on Relay Protection	Shuguang Liu
91532	Contrast Study on Two Instantaneous Feedback Control Techniques of Inverter System	xiao-hua Wu
91534	Research on Framework of Smart Automatic Voltage Control & Smart AVC	Ding xiaoqun
91550	Research of Fuel Cell Power Electronic Simulator	Jun Liu
91570	The Application and Economic Evaluation of DES--Discussion on DES Based CCHP	Ying Cai
91600	Application of Multi-motor Synchronous Drive System Based on Fuzzy-PID Control on Fiber Spinning Production Line	Feng Guihong
91610	Reactive Power Optimization in Distribution System with Distributed Wind Turbine Generating Systems	Si-qing Sheng
91630	Research on generator set control of range extender pure electric vehicles	Yunzhou Fang
91645	Realization of Automatic Meter Reading System Based on ZigBee with Improved Routing Protocol	Gui lin Zheng
91667	The design of indoor scene lighting system	Wang Ning
91690	Research to Improve the Forward Temperature Coefficient of FRD	Zhenxing Wu
91694	A Combined Inverter/APF to Reduce Current Harmonics for High Speed PM Generator	Haoran Bai
91712	A new group key management protocol in WSNs based on secret sharing	Liqin Wang
91739	Reconfiguration of Distribution Network with Dispersed Generators Based on Improved Forward-backward Sweep Method	LU Lin
91744	Design and Emulation of high-speed narrowband PLC system for Smart meter reading	dong liang
91777	Modeling and Analysis on Flux Switching Motor Based on Time Stepping Finite Element	daohan wang
91782	Realization of Current Protection in Distribution Network with Distributed Generation	Zhiqiang Chen
91784	Study on Control Strategy for Islanded Microgrid Based on Microturbine	ling su

Paper ID	Paper Title	Author
91787	Delaying bottom water coming intelligent well completion technology research	ZHANG Lin
91796	Adaptive Protection of Distribution Grids with Distributed Generation	Ehsan Reihani
91834	Development of Motor Drive Operating Mechanism of High Voltage Circuit Breaker	Dawei Li
91842	Design and Implementation of Renewable Energy and Building Integrated Data Analysis Platform	Peng Chen
91847	Intelligent Control Technology of Tripping and Reclosing for Double-circuit Transmission Line on the Same Tower	Botong Li
91849	Colored Petri Nets Modeling of Multi-agent System for Energy Management in Distributed Renewable Energy Generation System	Jun Zeng
91869	The research of energy management strategy for direct methanol fuel cell/battery hybrid system	Lingzhi Cao
91903	A Conceptual Framework for Smart Grid	chengbing wei
91916	The Construction of Interconnected Communication System among Smart Grid and a variety of Networks	Xu Zhichao
91917	A SOA-BPM-Based Architecture for Intelligent Power Dispatching System	Liang Zhang
91924	Green Revolution - Smart Grid Research and Prospect	He Yonggui
91940	CFD Study on Inter-Action and Heat Transfer between Non-Isothermal Airflow of Momentum Source and Plume of Buoyancy Force in an Air-Conditioned Space	xin wang
91943	The research on the surface wave of film under supercritical flowage	wu zheng ren
91959	Analysis for the application of solar assisted heat pump in Wuhan City, China	Xiao Jiang Ye
91970	Coupled Heat Transfer in High Temperature Ceramic Wall with Heat Pipe under Aeroheating and Radiative Cooling	shenghua du
92002	Evaluation Study of Software Operating and Monitoring Interface Design Quality	zhang jingling
92020	Small Signal Stability Fuzzy Analysis of Microgrid Based on Credibility Theory	Xialing Xu
92024	Review of Smart Grid and its Development Prospect in Sichuan	Xinwei Du
92098	Access Control For Distribution Automation Using Ethernet Passive Optical Network	Zhongwei Sun
92103	Security Measures for Advanced Metering Infrastructure Components	Rob shein

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 and Contact Information

About Hotel

The Crowne Plaza Chengdu is "*The Place to Meet*" in Sichuan Province. Featuring 402 guest rooms, supported with extensive conference, meeting and banquet facilities and enhanced with a collection of exciting dining and entertainment venue, the Crowne Plaza is the premier Hotel for corporate and individual business travellers in Chengdu.

Address: 31 Zong Fu Street, Chengdu, 610016, Sichuan, P. R. China

URL: <http://www.ichotelsgroup.com/h/d/cp/1/en/hotel/ctuch>

Tel: +86-028-8678 6666

Fax: +86-028-8678 9789

E-mail: res.ctuch@ihg.com

How to Get to the Hotel

Shuang Liu International Airport: 18km, ride

North Railway Station: 5km, 10minutes ride

South Railway Station: 8km, 15minutes ride

请送我到 :

成都市总府街31号 成都总府皇冠假日酒店

Please take me to:

Crowne Plaza Chengdu

31 Zong Fu Street, Chengdu, 610016, Sichuan, P. R. China

Contact us:

Secretary of the Organizing Committee: Ms. Candy

E-mail: appec@scirp.org

Telephone: +86-132 4717 6472