Detailed Schedule for Oral Presentation

AP1 – Apparatus 1

Room: No. 5
Date and Time: Oct. 23, PM

AP1-01 Calculation of Short-circuit Mechanical Strength for PowerformerTM (C0057)
Shishan Wang, Zeyuan Liu, Yanming Li, Yinna Guo, Hong Gao,

AP1-02 Modeling of the Transformer Windings under VFTO based on Transfer Function (C1189)
Xile Zhang, Guishu Liang, Qing Xie, Haifeng Sun,

AP1-03 Development of Superconducting Fault Current Limiters (C0423)
Ying Xin, Weizhi Gong, Xiaoye Niu, Zhengjian Chao, Haixia Xi, Jingyin Zhang, Yang Wang, Bo Tian, Bo Hou,

AP1-04 An Online Temperature Measurement System Based Wireless Communication Technology (C1002)
Niancheng Zhou, Jingwei Zhang, Hong Gan,

AP1-05 Research on Energy Efficiency of Supercapacitor Energy Storage System (C1022)
Yun Zhong, Jiancheng Zhang, Gengyin Li, Aiguo Liu,

AP1-06 Very Fast Transient Oscillations Measurements at Three Gorges Left Bank Hydro Power Plant (F1082)
Jochen Christian, Jun Xie,

AP2 – Apparatus 2

Room: No. 5
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AP2-01 Corona Phenomena of Varied High Voltage Shielding Types (F1215)
Norasage Pattanadech, Siriwat Potivetkul, Pearawut Yuttagowith,

AP2-02 Special Requirements on Gas-Insulated Metal-Oxide Surge Arresters (F1309)
Reinhard Göhler, Lars Klingbeil,

AP2-03 Power Grounding Safety: Copper Grounding Systems vs. Steel Grounding Systems (F1449)
Yexu Li, Jinxi Ma, Farid Dawalibi,

AP2-04 Research of LCL Resonant Inverter in Wireless Power Transfer System (C0610)
Yugang Su, Chunsen Tang, Shuping Wu, Yue Sun,

AP2-05 Switching Frequency Analysis of Dynamically Detuned ICPT Power Pick-ups (F1456)
Ping Si, Aiguo Patrick Hu, Simon Malpas, David Budgett,

AP2-06 A New Contactless Power Pick-up with Continuous Variable Inductor Control Using Magnetic Amplifier (F1458)
Jr-Uei William Hsu, Aiguo Patrick Hu, Akshya Swain, Xin Dai, Yue Sun,

AP2-07 A Low-Cost High Performance Tesla Transformer for Testing 115 kV Line Post Insulator (F1527)
Boonyang Plangklang, Promsak Apiratkul, Paisan Boonchaim,

AP2-08 A Novel on-line Monitoring Device of Stray Current in DC Rail Transit Systems (C1478)
Min Jin, Longhua Mu,

AP3 - Transformer

Room: No.6
Date and Time: Oct. 24, PM

AP3-01 Fault Diagnosis On Power Transformers Using Non-electric Method (C0292)
      Weiping Ma, Fangxiao Cheng, Ying Sun, Chungui Xie, Ming Ao,
AP3-02 An Improved Power Transformer Diagnosis System for Incipient Fault based on Fuzzy Rough Set Theory (C0662)
      Hao Xiong, Weiguo Li, Guanghui Chang, Huimin Guo,
AP3-03 Investigation of the Origin of Load-controlled Vibration of Large Power Transformers by Coupled 3D-FEM Analysis (F1091)
      Michael Ertl, Werner Probst,
AP3-04 The Application and Research of Impedance-voltage Compare Method in the Testing of Distribution Transformer's Capacity (C0889)
      Huayong Liu, Shuwei Du, Yongsheng Shu, Junyi Hu, Hua Zhang,
AP3-05 HV Power Equipment Running State Detection based on Image Processing and Recognition (C0909)
      Shutao Zhao, Baoshu Li, Xiaohui Zhu,
AP3-06 A Wavelet Fuzzy Expert Technique for Classification of Power Transformer Transients (F1094)
      Samah El safty, Samia Gharieb, Mohamed Mansour, Abd El Latif Badr,
AP3-07 Ontology-Based Maintenance Decision Support System for Electric Equipment Condition Data and Application Cooperation (C1253)
      Xiangrong Zu, Lianzhong Liu, Yan Xu,
AP3-08 Study of Transformer's PD Sources Number Estimation and Falsity PD Sources Elimination (C1291)
      Gaojie Wang, Lixing Zhou, Weiguo Li,
AP3-09 Electromagnetic Coupling Method for Partial Discharge Detection (F1484)
      K L Wong, D J Spoor,

DC1 - HVDC

Room: IC
Date and Time: Oct. 25, AM

DC1-01 Dynamic Modeling and Transient Simulation for VSC based HVDC in Multi-Machine System (C0034)
      Chao Zheng, Xiaoxin Zhou, Ruomei Li,
DC1-02 The Study of SSTI Between Guizhou-Guangdong II ±500 kV DC Transmission Link and Steam-Turbine-Generators Near the Rectifier Terminal (C0881)
      Chao Hong, Hong Rao,
DC1-03 Studies of Commutation Failures in HVDC System Based on Hypersim (C1164)
      Lingxue Lin, Yao Zhang, Qing Zhong, Zhiwei Liao,
DC1-04 Study of Coordinate Control Method …to Improve Stability on Multi –Infeed HVDC System (F0951)
      Su Su, Kiyotaka Ueda, Kazuyuki Tnaka, Kiyoshi Takenaka, Guohong Wu,
DC1-05 H∞ Robust Control of AC/DC Power Systems based on Non-affine Nonlinear Model (C1350)

Honghai Tang, Chunwen Li, Yanhong Liu,

DC1-06 Analysis of Modulation Controllers of Multi-infeed HVDC for CSG in 2008 (C1412)

Peng Li, Xiaochen Wu, Yao Zhang, Xiaoming Jin, Chao Lu, Jingbo He,

DC1-07 Preliminary Recommendations on the Suitable Shed Profile for HVDC Station Insulators with Silicone Rubber Housings (C1538)

Weimin Ma, Bing Luo, Zhiyi Su, Zhengping Dang, Zhicheng Guan, Xidong Liang, Urban Åström, Dong Wu, Emily Long, Huigong Sun,

DC1-08 Bird Streamer Initiated Breakdown Characteristics under HVDC Conditions (F1048)

Kribashen Naidoo, Nelson Ijumba, Tony Britten,

DC2 - HVDC and FACTS

Room: IC
Date and Time: Oct. 25, PM

DC2-01 A Novel Method of Harmonic Suppression in the AC/DC Transmission System Based on Novel Converter Transformer (C0412)

Longfu Luo, Jiazhu Xu, Ji Li, Yong Li, Fusheng Liu,

DC2-02 A New Overcurrent Test Equipment for TSC Valve (C0561)

Zhiyuan He, Guangfu Tang, Zhanfeng Deng, Kunpeng Zha,

DC2-03 Performance Verification of the Three-Gorges - Shanghai HVDC Thyristor Modules (F0307)

Giuseppe Simioli, Baoliang Sheng, Fabienner Chataignere, Weimin Ma,

DC2-04 Influence of HVDC Ground Electrode Current on AC Transmission System and Its Restraining Measure (C0694)

Sheng Wang, Chengxiong Mao, Jiming Lu, Guihua Mei, Dan Wang, Guodong Li,

DC2-05 Research and Design of the Neutral Series Resister to Restrain the HVDC Ground Current Flowing into Transformer (C0696)

Ben Niu, Rong Zeng, Bo Zhang, Jinliang He,

DC2-06 Vacuum Switching Technology Improve the Switching Capacity of On-load Tap-changers in HVDC-applications (F0663)

Dazhong Shen, Axel Kraemer, Dieter Dohnal,

DC2-07 Research and Development of Synthectic Test Equipment for High Voltage Thyristor Valves (C0701)

Jialiang Wen, G.F. Tang, Y.F. Qiu, J.L. Zhu, K.P. Zha, G.Zh. Xu,

DG1 - Wind Farm and DG 1

Room: CR
Date and Time: Oct. 24, PM

DG1-01 Research of Multi-Farms Transmission of Distributed Generation based on HVDC Light (C0105)

Zheran Zhang, Zhongdong Yin, Feixiong Hu,

DG1-02 Control for Maximal Wind Energy Tracing in Brushless Doubly-Fed Wind Power Generation System

based on Double Synchronous Coordinates (C0153)

      Qi Wang, Xiaohu Chen, Yanchao Ji,

DG1-03 A Multi-Pole Low Speed Doubly Fed Brushless Generator for Direct Driven VSCF Wind Power System (C0455)

      Fengxiang Wang, Rei Jin, Zheng Wang, Fengge Zhang,

DG1-04 Research of AC/DC Parallel Wind Farm Integration based on VSC-HVDC (C0572)

      Xiaoguang Wei, Guangfu Tang,

DG1-05 Practical Application of Wind Power Models in System Analysis (F0041)

      Xiaokang Xu, Michael J. S. Edmonds,

DG1-06 The Effect of Design Parameters on Coupling Capability of Brushless Doubly Fed Wind Power Generator (C0627)

      Fengge Zhang, Xiuping Wang, Jingfeng Ruan, Fengxiang Wang,

DG1-07 Optimal Reactive Power Flow in Wind Generation Integrated Power System (C0698)

      Jiageng Qiao, Yong Min, Zongxiang Lu,

DG1-08 Calculation of Maximum Injection Power of Large-scale Wind Farms Connected to Power Systems (C1230)

      Jun Wu, Guojie Li, Lin Cheng, Yuanzhang Sun,

DG2 - Wind Farm and DG 2

Room: CR
Date and Time: Oct. 25, AM

DG2-01 Comparison of Using SVC and STATCOM for Wind Farm Integration (F0672)

      Lie Xu, Liangzhong Yao, Christian Sasse,

DG2-02 Evaluation of Battery System for Frequency Control in Interconnected Power System with a Large Penetration of Wind Power Generation (F0722)

      Masashi Arita, Akihiko Yokoyama, Yasuyuki Tada,

DG2-03 Optimal Operation Planning of a Photovoltaic-Cogeneration-Battery Hybrid System (F0996)

      Shigeru Bando, Hiroshi Asano, Tsutomu Tokumoto, Tatsuya Tsukada, Takao Ogata,

DG2-04 Voltage Stability Analysis of Wind Farm Integration into Transmission Network (C0813)

      Yongning Chi, Yanhua Liu, Weisheng Wang, Huizhu Dai,

DG2-05 Contribution of Distributed Generation to Voltage Regulation under Stochastic Attribute of Renewable Energy Resources (F1025)

      Surachai Chaitusaney, Akihiko Yokoyama,

DG2-06 Effects of Distribution System Operations on Voltage Profiles in Distribution Grids Connected Wind Power Generation (F1217)

      Chun-Lien Su,

DG2-07 Use of Battery Energy Storage System to Improve the Power Quality and Stability of Wind Farms (C1333)

      Jie Zeng, Buhan Zhang, Chengxiong Mao, Yunling Wang,

DG2-08 Analysis and Support Policy Recommendation of Renewable Energy Sources in Western China (F1570)

      Andrej F. Gubina, Xiangyang Xu, Zhengmin Su,

DS1 - Distribution System 1

Room: CR
Date and Time: Oct. 24, AM

DS1-01 Study on Medium Voltage Power-line Based Communication System Scheme for Power Distribution Automation and Development of its Terminal Equipment (C0337)
    Gujing Han, Xiaogong Yin, Tao Lin,
DS1-02 Ethernet based Substation Communication System for Integrated Protection (C0697)
    Yingli Ren, Jinghan He, Z.Q Bo, Xinzhou Dong, Ben Caunce, Andrew Klimek,
DS1-03 A Broker Agent for Remote Control of Distributed Power Systems (F1046)
    C. Ma, J.Q. Feng, Z. Yang, Q.H. Wu, J. Fitch,
DS1-04 Study on Substation Control Interlocking Combined with PKI/PMI Based Access Security Method (C0821)
    Bin Duan, Nian Liu, Shenglong Huang,
DS1-05 The Data-View Model of IEC 61850 Server (C0892)
    Renhui Dou, Jie Ding, Yefei Zhou,
DS1-06 A Rule based Comprehensive Approach for Reconfiguration of Electrical Distribution Network (F1156)
    Jizhong Zhu, Xiaofu Xiong, Guanquan Shen, Qiuping Xu, Yi Xue,
DS1-07 A Simulation Study on the Ethernet Communication of a Substation Automation System based on EPOCHS (C0958)
    Guodong Liao, Kenneth.M Hopkinson, Jun Tang, Li Ding, Xiaoru Wang,
DS1-08 Study on New Type Orthogonal Arc-suppression Coil of Ground Fault Protection (C1030)
    Xiaoxia Wei, Yanchao Ji, Jianze Wang, Xianmin Mu,
DS1-09 An Inference Technique based on Semantic Primitives for the Development of Intelligent Load Distribution Systems (F1471)
    Chan-Eom Park, Young-Hyuk Lee, Dae-Jung Kim, Seung-Chul Lee, Un-Chul Moon,

DS2 - Distribution System 2

Room: CR
Date and Time: Oct. 25, PM

DS2-01 Reliability Assessment of Utilities Using an Enhanced Reward-Penalty Model in Performance Based Regulation System (F1284)
    Mahmud Fotuhi-Firuzabad, H. M. Shourkai, M. B. Kharazi, A. Salimi,
DS2-02 Optimal Planning of Substation of Locating and Sizing Based on GIS and Adaptive Mutation PSO Algorithm (C0124)
    Zifa Liu, Jianhua Zhang,
DS2-03 A Simplified Forward and Backward Sweep Approach for Distribution System Load Flow Analysis (F1308)

Gary Chang, Show_Yung Chu, Hung-Lu Wang,

DS2-04 Fast Reliability Indices Evaluation Algorithm for Large-scale Distribution Power Grid in China (C0149)

Lin Guan, Yao Feng,

DS2-05 An Algorithm for Analyzing Reliability Indices for Radial Distribution Systems Including Distributed Generators (F1501)

A. Amini, H. Shayanfar, M. Kalantar, M. Fotuhi-Firuzabad,

DS2-06 Study of Intelligence-based Man-machine System Applied in Switchover Manipulation of Power Network (C0299)

Taigang Ding, Guozhi Dong,

DS2-07 Failure Analysis of Power Distribution System in Thailand (F1505)

Wiwat Tippachon, Amnad Kwansawaitham, Nattaya Klairuang, Dulpichet Rerkpreedapong, Jamnarn Hokierti,

DS2-08 Failure Mode Distribution of Transformers in Thailand (F1509)

Wiwat Tippachon, Noppada Teera-achariyakul, Thepkanya Khatseng, Nattaya Klairuang, Jamnarn Hokierti,

EM1 - SCADA and EMS 1

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EM1-01 A New Distributed Power Flow Algorithm between Multi-control-centers based on Asynchronous Iteration (C0193)

Haibo Zhang, Boming Zhang, Hongbin Sun, Ran Ao,

EM1-02 Optimal Measurement Placement for Power System State Estimation Using Hybrid Genetic Algorithm and Simulated Annealing (F0218)

Thawatch Kerdchuen, Weerakorn Ongsakul,

EM1-03 Iteration Algorithm of Reliability Evaluation for Medium Voltage System (C0320)

Junfeng Wang, Jiaqi Zhou, Kaigui Xie, Yenren Liu,

EM1-04 A Numerical Method for Finding Spanning Trees in Power System State Estimation (F0434)

Madson C. Almeida, Eduardo N. Asada, Ariovaldo V. Garcia,

EM1-05 Procedure-oriented State Estimation using Innovation Network Graph Based PMUs (C1028)

Hong Bai, Zhizhong Guo, Lin Zhao, Yu Gao, He Chen,

EM1-06 An Approach of Generation Scheduling in Energy Markets (F1157)

Jizhong Zhu, Davis Hwang, Ali Sadjadpour,

EM2 - SCADA and EMS 2

Room: No.6
Date and Time: Oct. 25, PM

EM2-01 Closed Loop Identification for Multi-Area AGC Systems with Power Plant Time Delay Dynamics (C0400)

Pingkang Li, Xiuxia Du, Nan Duan,

EM2-02 The Study of Data Exchange Technology Among Control Center Systems (C0567)

Haifeng Huang, Jinhu Zhao, Yang Cao, Tao Han, Xin Song, Yaping Li,

EM2-03 Intelligent Alarm Processing (F0673)

Germano Lambert-Torres, Edison Fernando Fonseca, Maurílio Pereira Coutinho, Ronaldo Rossi,

EM2-04 A New Multiple Objectives Optimaization Model of Monthly Generation Scheduling (C0618)

Zhifei Liang, Chongqing Kang, Hongqiang Xu, Zhidong Cao, Yuanpeng Zhang, Ming Jing,

EM2-05 Development of a New Tool for Dynamic Security Assessment Using Dynamic Security Region (C0987)

Yuan Zeng, Pei Zhang, Meihong Wang, Hongjie Jia, Yixin Yu, Stephen T. Lee,

EM2-06 Visualization of Large-Scale Power System Operations Using Phasor Measurements (F1222)

Chun-Lien Su, Bo-Yuan Jau,

EM2-07 Stability-Constrained Optimal Power Flow based on a Novel Transient Stability Margin (C1311)

Deming Xia, Shengwei Mei, Chen Shen, Ancheng Xue,

FA1 - FACTS

Room: No. 10
Date and Time: Oct. 24, PM

FA1-01 Study on Main Circuit Selection and Single-phase SVPWM Algorithm of SSSC (C0045)

Xu Jiang, Xiangning Xiao, Yang Zhao, Aiping Ren,

FA1-02 ATC Enhancement Considering Transient Stability Based on Optimal Power Flow Control by UPFC (F0352)

Taisuke Masuta, Akihiko Yokoyama,

FA1-03 Interaction Analysis and Coordination Control between SSSC and SVC   (C0150)

Jun Liu, Guangfu Tang, Xingyuan Li,

FA1-04 Analysis and Implement of Thyristor-based STATCOM (C0210)

Jianye Chen, Shan Song, Zanji Wang,

FA1-05 Increasing Chuanyu Grid-to-Central China Mains Grid Power Transfer Capability by 550kV Fixed Series Capacitor FSC Fengjie (F0857)

Lutz Kirschner, Bailu Quan, Yansheng Ding, Yan Zhou, Karl Uecker,

FA1-06 Using TCSC Scheme for SSR Mitigation in a Radial Transfer Corridor (C0558)

Qianjin Liu, Changchun Zhou, Lennart Ängquist, Staffan Rudin,

FA1-07 MULTI-Level Current Reinjection CSC for STATCOM Application (F1142)

Yonghe Liu, Lasantha Perera, Neville Watson, Jos Arrillaga,

FA1-08 Real-Time Digital Simulation for a 50Mvar Cascaded Multilevel STATCOM (C0935)

Zhongqi Liu, Qiang Song, Hongtao Zhang, Wenhua Liu,

FA1-09 Wavelet based Capacitor Bank Adaptive Controlled Switching and its Application to RDDS Approximation for already installed Circuit Breaker (F1482)

Noppadol Charbkaew, Teratam Bunyagul,

FA1-10 Reliability Evaluation of STATCOM based on the k-out-of-n: G Model (C1155)

Zongxiang Lu, Wenhua Liu,

IN1 - Information System

Room: No. 3

Date and Time: Oct. 25, PM

IN1-01 Construction and Application of Multi-Degree Secrecy System based on Threshold Secret Sharing (C0017)
    Zhenjun Ye,

IN1-02 Reliability Test of Using 802.11b Technology in Switchgear for Measurement and Control (C0626)
    Xiaozhe Wang, Zhiqiu Li, Yulong Huang, Rong Zeng, Liangzhong Yao, Christian Sasse, Min Han,

IN1-03 Study on the Security Assessment Platform for Electric Power Secondary System (C0639)
    Yong Yu, Weimin Lin,

IN1-04 A Three Layer Architecture Data eXchange Platform for Fujian Electric Power Company (C0700)
    Shicheng Hu, Han Lin, Chao Chen, Shangteng Huang, Zhencai Cai, Yong Ye, Yuanbin Xu,

IN1-05 Data service in Grid-based Future Control Centers (F1388)
    H. F. Zhou, F. F. Wu,

IN1-06 Research on DSM Based Distribution Marketing Decision Support System (C0753)
    Jingmin Wang, Lirong Chen, Shizhao Zhang,

IN1-07 Implementation of the International Packaged Customer Service and Marketing Management Software in China (C0908)
    Anwei Chen, Tao Ji, Kenneth C. Cheng, Rong He, Bo Zou, Chong Liu, Li Zhao, Qing Zhang,

IN1-08 The Research on 3D GIS for Power Transmission Grid Based on VR Technology (C1149)
    Rongxiang Yuan, Yang Xiang,

IN1-09 Study on Credit Evaluation Models for Electric Power Clients and the Realization of the Software System (C1399)
    Ming Zeng, He Wang, Junguo Jia, Tao Wang, Jian Tang,

IN1-10 Power System Fault Data Compression Using the Wavelet Transform and Vector Quantification (C1437)
    Yue Yuan, Xiaoming Yu, Hongji Du,

KS1 - Keynote Speeches

Room: Banquet Hall 2

Date and Time: Oct. 23, AM

KS1-01 Development of UHV Transmission in China and Compatibility to the System (C1573)
    Zehong Liu,

KS1-02   Power Technology in China Southern AC/DC Hybrid Power Systems: Opportunities, Challenges, and Vision (C1574)
    Xiaochen Wu,

KS1-03   Large Transmission System Development (F1581)
    Yves Filion,

KS1-04   Wind Farm Interconnections (F1582)
    Bjarne Andersen,

MK1 - Power Market 1

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Date and Time: Oct. 23, PM

MK1-01 Application of the Locational Marginal Pricing Model in North China Grid: A Preliminary Study (F1114)

> Kai Xie, Changming Jiang, Zhe Zhang, Xu Xie, Xiaofeng Xu, Xingwang Ma, David Sun,

MK1-02 Real Power Loss Allocation for Transactions in Bilateral Markets (F1119)

> Komson Daroj, Bundhit Eua-Arporn,

MK1-03 Bidding Decision-Making Support System for Power Supplier based on Multi-Agent System (C0763)

> Qian Zhang, Jihui Yu,

MK1-04 Reliability Evaluation of 115 kV Distribution System for Pricing Services in Bilateral Contract Electricity Markets by Application Fuzzy-Logic Method (F1128)

> Chamni Jaipradidtham,

MK1-05 The Study on Pricing Policies and Trading Mechanism of Distributed Generation (C1204)

> Bin Hu, Shouzhen Zhu, Jinghong Zheng, Jin Xu,

MK1-06 Comparison of Different LMP Calculations in Power Market Simulation (F1556)

> Fangxing Li, Rui Bo, Wenjuan Zhang,

MK1-07 Optimal Scheduling of Hydropower plant with Uncertainty Engergy Price Risks (C1345)

> Chengjun Zhu, Jianzhong Zhou, Junjie Yang, Wei Wu,

MK1-08 Test of Asymmetry Effect of Demand on Spot Price Using MCMC Methods (F1565)

> Xuebing Lu, Ly Fie Sugianto, Vincent Lee,

MK2 - Power Market 2

Room: No. 1a
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MK2-01 Reserve Capacity Allocation and Responsibility Partition Considering The Uncertain Factors In Electricity Markets (C0339)

> Xiangxing Meng, Xueshan Han, Dawei Huang,

MK2-02 Sequential Monte Carlo Simulation Based Available Transfer Capability Calculation (C0765)

> Yajing Gao, Ming Zhou, Gengyin Li,

MK2-03 The Principle and Constitution Process of Precaution Indexes System for Electricity Market (C0864)

> Dunnan Liu, Jingdong Xie, Linmin Xia, Guangyu He,

MK2-04 Optimal Reactive Power Dispatch in a Joint Active / Reactive Market Model (F0439)

> Babak Mozafari, Touraj Amraee, A. M. Ranjbar, M. Mirjafari, A. R. Shirani,

MK2-05 Coumot Equilibrium Analysis for Spot and Forward Gaming in a Transmission Constrained Electricity Market (C1066)

> Xiaobo Mi, Shaohua Zhang, Xian Wang, Yuzeng Li,

MK2-06 Experience with East China Power Market IT Development and Operation (C1331)

> Yongping Zhang, Xin Jiang, Dexing Wang, Libing Yang, Liang Wang, Zhaoqiang Ge,

MK2-07 Development and Application of Software for ATC Calculation (C1335)

 Rongfu Sun, Yue Fan, Yonghua Song, Yuanzhang Sun,

MK3 - Power Market 3

Room: No. 1a
Date and Time: Oct. 25, AM

MK3-01 Study of the Compensation Mechanism of Reserve Service in the Primary Power Market (C0684)

 Yongxiu He, Weiwei Yang, Qun He, Jiajia Wei, Wei Wang,

MK3-02 Functional Design of Ancillary Service Markets under the Framework of Standard Market Design for ISO New England (F1095)

 Kwok Cheung, Xingwang Ma, David Sun,

MK3-03 Security Coordinated Economic Dispatch for Joint Energy and Reserve Markets (C1235)

 Jieqing Xin, Ettore Bompard, Roberto Napoli,

MK3-04 Implementation of Enhanced Load Shedding Method in Restructured Power Systems (F1239)

 Meysam Mashayekh, Shahram Jadid,

MK3-05 Using DEA to Measure the Relative Efficiency of DSM Implementation (C1359)

 Jingmin Wang, Lirong Chen,

MK3-06 Using Market Simulation to Recognize the Price Maker Firms (F1347)

 Soodabeh Soleymani, Ali Mohammad Ranjbar, Ali Reza Shirani,

MK3-07 Study on Conjectural Variation based Bidding Strategy in Spinning Reserve Markets (C1369)

 Xudong Jia, Ming Zhou, Gengyin Li,

MK3-08 Impacts of Loop Flow on Electricity Market Design (F1448)

 Chin Y Choo, Nirmal-Kumar C Nair, Bhujanga Chakrabarti,

MK4 - Power Market 4

Room: No. 1a
Date and Time: Oct. 25, PM

MK4-01 27 Years of Experiences of Small Hydro Electric Power Generatimg Units made in China Installed in USA and Central America and It's Future World Market (F0212)

 Alexander Tseng,

MK4-02 Joint Analysis of Power System Reliability and Market Price Considering the Uncertainties of Load Forecasts (C0614)

 Chongqing Kang, Lin Guo, Lichao Bai, Ruilin Xu, Jianjun He, Kunyao Xu,

MK4-03 Optimal Bidding Strategy for Financial Transmission Right (F0335)

 Dan Yang, Arne Hallam, Yanni Chen, Xiaoming Wang, Fan Yang,

MK4-04 An Optimal Approach for Coordinating Scheduling Day-Ahead and Real-Time Energy Market with Risks (C1251)

 Bo Liu, Ming Zhou, Gengyin Li,

MK4-05 Operational Risk Evaluation in Competitive Electricity Market Scheduling (F1446)

Arash Ehsani, Ali Mohammad Ranjbar, Mahmud Fotuhi-Firuzabad, Shahram Chehelgordi Samani,

MK4-06 Research on the Theory of Financial Transmission Right and Its Application in the Electricity Market (C1330)

Ming Zeng, Liangyou Wang, Zhongshu Liu, Wenyu Zhou, Xiaoliang Chen,

MK4-07 A Study on the Pricing of Network Services (F1496)

Jagath Fonseka, Govinda Shrestha,

MK4-08 Optimal Allocation of Electromagnetic Pollution Emission Right in Power Quality Markets (C1465)

Xiaodong Yang, Gengyin Li, Ming Zhou,

PE1 - Power Electronics

Room: No. 5
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PE1-01 Design and Implementation Multilevel Inverter for 3φ Induction Motor Speed Control with RBM Chopper Technique Embedded on FPGA (F0022)

Vittaya Tipsuwanporn, Khomkrit Keanthong, Anuchit Charean, Thanongchai Runghimmawan,

PE1-02 Research of Main Circuit on the Series Resonance Fault Current Limiter (C0189)

Huaxin Wang, Hexun Xi, Guangfu Tang,

PE1-03 Applying an FPGA_based SR Control Technique to the Forward Converter to Upgrade Transient Load Response (F0308)

K. I. Hwu, Y. T. Yau,

PE1-04 Optimization of Output Voltage Waveform of Selective Harmonic Elimination Inverter (C0783)

Wenyi Zhang, Yao Sun,

PE1-05 Novel Application of PWM Switching for DC traction Circuit Breakers. (F1185)

G.B. De Lange, A.M. Chol,

PE1-06 Research on Restraining Low Frequency Oscillation with Flywheel Energy Storage System (C1021)

Yun Zhong, Jiancheng Zhang, Gengyin Li, Zhiyuan Chen,

PE1-07 Development of A Direct AC-AC Converter based on a DSPACE Platform (F1459)

Hao Leo Li, Aiguo Patrick Hu, Jinfeng Gao, Xin Dai,

PE1-08 Investigating a High Frequency DC/DC Converter with Soft-Switching Technology (C1069)

Yugang Su, Shuping Wu, Chunsen Tang, Yue Sun,

PL1 - Power System Planning 1

Room: No.6
Date and Time: Oct. 23, PM

PL1-01 Non-Coherence in Transmission Line Arrangements (F0216)

Wenyuan Li, Jiaqi Zhou, Kaigui Xie, Xiaofu Xiong,

PL1-02 Technical and Economic Comparisons between Two Major Projects Planned to be Constructed in the

United States Southwest Region   (F0223)

    James Hsu, Steve Mavis, Tim Wu, Kishore Patel, John Kyei,

PL1-03 Main Principles of Electrical Network Expansion in a Market Environment of Russia (F0510)

    Nikolai I. Voropai,

PL1-04 Optimal SVC and TCSC Placement for Minimization of Transmission Losses   (F0872)

    Somchai Biansoongnern, Songsak Chusanapiputt, Sukumvit Phoomvuthisarn,

PL1-05 Transient Shunt Reactor Dimensioning for Bulk Power Transmission Systems during Normal and Faulty Network Conditions (F1127)

    Mathias Ramold, Gina Idarraga, Johann Jäger,

PL1-06 A New Approach to Determine Base, Intermediate and Peak-Demand in an Electric Power System (F1281)

    A. Salimi-beni, Mahmud Fotuhi-Firuzabad, Davod Farrokhzad, S. J. Alemohammad,

PL1-07 A Study of Series Capacitor Effects on Total Transfer Capability of the Central-to-southern Thailand Transmission System (F1524)

    Naebboon Hoonchareon, Bodin Kosolpisit, Songsak Chunsanapitak, Sukumvit Phoomvuthisarn,

PL2 - Power System Planning 2

Room: No.6

Date and Time: Oct. 24, AM

PL2-01 Four Dimensions of a Digital Society: A Vision of Our Digital World in 2010   (F0386)

    Mark Lauby, Marek Samotyj,

PL2-02 Reliability Assessment of Composite Power System in Deregulated Environment Considering Hybrid Market Transaction Models (F0901)

    Thatsaphone Boongnong, Akihiko Yokoyama,

PL2-03 A Novel Method for Siting and Sizing of IPP for Improved System Stability/Security (F1047)

    K Vaisakh, G.V. Siva Krishna Rao,

PL2-04 An Effective Pricing and Financial Method to Significantly Reduce CO2 Emissions from Electricity Production – An Application of the Third Way Economic System of Unity-in-Diversity (F1201)

    Stephen Lee,

PL2-05 A Novel Flexibility Evaluating Approach for Power System Planning under Deregulated Environment (C0597)

    Guoxin Xu, Chongqing Kang, Gaofeng Yang, Zhiwei Wang, Junhui Huang, Xu Wang,

PL2-06 Supply Adequacy Issues in Renewable Energy and Hydro-Based Power Systems (F1213)

    Egill B. Hreinsson,

PL2-07 Tradeoff Between Risk and Cost in Economic Dispatch Including Wind Power Penetration Using Particle Swarm Optimization (F1550)

    Lingfeng Wang, Chanan Singh,

PL2-08 A Hybrid Method for Multi-Area Generation Expansion using Tabu-search and Dynamic Programming (F1551)

    Panida Jirutitijaroen, Chanan Singh,

PN1 - Panel Discussion: Energy Storage Technologies

Room: No. 1b
Date and Time: Oct. 24, AM

PN1-01 The Development Prospects of Renewable Energy and Distributed Generation in Power System and their Demand for Energy Storage Technology (C1575)
     Xuehao Hu,
PN1-02 Study on Energy Storage Technology of Sodium Sulfur Battery and its Application in Power System (C1576)
     Zhaoyin Wen,
PN1-03 Development Perspectives on Redox Flow Battery for Energy Storage Systems (C1577)
     Huamin Zhang,
PN1-04 Study on SMES technology and its Application in Power System (C1578)
     Liye Xiao,
PN1-05 Study on Super-capacitor Energy Storage Technology and its Application in Power System (C1579)
     Zhiping Qi,
PN1-06 Study on Flywheel Energy Storage Technology and its Application in Power System (C1580)
     Zhiping Qi,

PN2 - Panel Discussion: On-line Reliability Assessment and Control

Room: IC
Date and Time: Oct. 24, AM

PN2-01 Detection and mitigation of cascading events (F1583)
     Mladen Kezunovic,
PN2-02 Power System Operation Risk Assessment based on Credibility Theory (C1584)
     Wenchuan Wu,
PN2-03 Security Region Based Probabilistic Security Assessment of Power Transmission System (C1585)
     Dongtao Wang,
PN2-04 Online Alarm System based on Multi-agent and Cooperative Technique (C1586)
     Jian Ding,
PN2-05 Online Dynamic Security Assessment System for Power Grid (C1587)
     Jianfeng Yan,
PN2-06 Design of a DSA Tool for Real Time System Operations (F0118)
     Jianzhong Tong, Lei Wang,

PN3 - Panel Discussion: HVDC and FACTS Technologies

Room: IC
Date and Time: Oct. 23, PM

PN3-01   800 kV HVDC for Transmission of Large Amount of Power Over Very Long Distances (F1591)

   Gunnar Asplund, Urban Åström, Victor Lescale

PN3-02   Technical and Economic Aspects of Tripole HVDC (F1588)

   Lionel Barthold,

PN3-03   The Use of FACTS to Facilitate Multi-infeeds of HVDC (F1589)

   Bjarne Andersen,

PN3-04   FACTS Applications (F1590)

   Norman Macleod,

PN3-05 Investigation of Several New Technologies for Mega City Power Grid Issues (C0619)

   Justin-Jin Zhang, Qianjin Liu, Christian Rehtanz, Staffan Rudin,

PN3-06   Optimal Power Flow Control for Congestion Management by Interline Power Flow Controller (IPFC) (F0655)

   Jun Zhang, Akihiko Yokoyama,

PN4 - Panel Discussion: Communications for Distribution System

Room: CR

Date and Time: Oct. 23, PM

PN4-01   Future Communication Needs for Distribution Feeder Automation (C1592)

   Lei Jing,

PN4-02   The Needs for Integration of the Feeder, Substation and System-wide Communication Solutions for Distribution Automation (F1593)

   Mladen Kezunovic,

PN4-03   The Application of Communication in the DA System (C0890)

   Hua Zhang, Huayong Liu,

PN4-04 Monitoring System of Distribution Running States Based on Broadband Power Line Communication (C0115)

   Xu Zeng, Ming Liang, Huaizhi Liu, Yan Ren, Rui Yang,

PN4-05   The Study of Feeder Automation System based on Quick Communication Mechanism (C1116)

   Wen Xu, Xiaolan Liu, Yanjun Wen, Haitao Jiang, Qiang Zhang, Jianmin Zhang, Yu Gao,

PN4-06 Communication Standards for Distribution Automation and Customer Load Control (F1598)

   Mark Lauby,

PQ1 - Power Quality 1

Room: No. 10

Date and Time: Oct. 23, PM

PQ1-01 Detecting Methods of Harmonic in Power System based on Wavelet Transform (C0122)

   Yuanyuan Liu, Maojun Li,

PQ1-02 A Conceptual View of Power Quality Regulation Using Market-Driven Mechanism (F0470)

      Shiun Chen, Jing Wang, Tek Tjing Lie,

PQ1-03 Partial Least-squares Regression based Harmonic Emission Level Assessing at the Point of Common Coupling (C0687)

      Yonghai Xu, Shun Huang, Yingying Liu,

PQ1-04 Radial Basis Function Neural Network Based Comprehensive Evaluation for Power Quality (C0781)

      Yingying Liu, Guodong Li, Qiang Gu, Yonghai Xu,

PQ1-05 A Morphological Filter for Estimation of Power System Harmonics (F1020)

      Z. Lu, Q.H. Wu, J. Fitch,

PQ1-06 Synthetic Evaluation of Power Quality based on Fuzzy Cluster Analysis (C1306)

      Xiangying Duan, Ming Zhou, Gengyin Li, Jin Yang,

PQ1-07 Harmonic Analysis for the Distribution System with Dispersed Generation Systems (F1151)

      Y. D. Lee, C. S. Chen, C. T. Hsu, H. S. Cheng,

PQ1-08 Harmonic Analysis and Suppression Methods Study of Cycloconverter-feed Synchronous Motor Drive System (C1422)

      Mingyu Wang, Yang Li, Bingbing Tan, Bingjuan Wei,

PQ2 - Power Quality 2

Room: No. 10

Date and Time: Oct. 24, AM

PQ2-01 Application of Controllable Reactor in Suppressing the Voltage Fluctuation and Flicker under H∞ Control Strategy (C0056)

      Lixia Zhou, Zhongdong Yin, Jiru Lin, Feixiong Hu,

PQ2-02 Study on Energy-saving Strategies for Dynamic Voltage Restorer (C0131)

      Lixin Zhi, Zhongdong Yin, Hui Ding, Junbiao Han, Feixiong Hu,

PQ2-03 Effect of Low-Voltage Thyristor-Switched Capacitor Banks on Electrical Energy Consumption (F0205)

      Abolfazl Zebardast, Hossein Mokhtari,

PQ2-04 Study on Dynamic Voltage Conditioner with One-cycle Control (C0304)

       Cheng Li, Xiangyang Li, Gaiping Sun, Tao Wei,

PQ2-05 An Improved Modulation of the Selective Harmonic Elimination Controlling (C0393)

      Liang Qin, Hui Zhang, Kaipei Liu, Qisheng Liu,

PQ2-06 Improvement of Nonlinear-carrier Control for High-power-factor Boost Rectifiers (F0239)

      K. I. Hwu, M. S. Liu, Y. H. Chen,

PQ2-07 Active-reactive Power Compensation based on SCES in Distribution System (C1466)

      Rong Lu, Jiancheng Zhang,

PQ3 - Power Quality 3

Room: No. 10

Date and Time: Oct. 25, AM

PQ3-01 A New Control Strategy for Unified Power Quality Conditioner (UPQC) in Distribution Systems (F0823)

      Ahad Kazemi, Mehrdad Tarafdar Haque, Ahad Mokhtarpour,

PQ3-02 Modeling and Control of a Novel Transformer-less Dynamic Voltage Restorer based on H-Bridge Cascaded Multilevel Inverter (C0578)

      Songcen Wang, Guangfu Tang, Kunshan Yu, Jianchao Zheng,

PQ3-03 Unified Power Quality Conditioner (UPQC) Control based on Fourier Transform (F0826)

      Heidar ali Shayanfar, Naser Mahdavi Tabatabaei, Ahad Mokhtarpour,

PQ3-04 Lagrange Modeling and a Novel Passivity-Based Control of a Single-phase inverter Applied in Neutral-Line Active Power Filter (C0752)

      Feng Shi, Xiaoming Zha, Yunping Chen, Jiangfeng Zou, Hao Xiong, Honglin Jiang,

PQ3-05 Medium Voltage Dynamic Voltage Restorer with Neural Network Controlled Voltage Disturbance Detector (F1177)

      Y.H. Chung, H.J Kim, K.H. Kwon, T.B. Park, S.H. Kim, K.S. Kim, J.I. Moon,

PQ3-06 Comparison of Direct and Indirect Current Control Strategy for DSTATCOM (C1334)

      Tianyuan Tan, Qirong Jiang, Gang Li, Yuxiang Lai,

PQ3-07 Dynamic Control Strategy in Medium Voltage DVR for Mitigating Voltage Sag/Swell. (F1183)

      Paisan Boonchiam, Nadarajah Mithulananthan,

PR1 - Protection 1

Room: BH4a

Date and Time: Oct. 23, PM

PR1-01 Effects of Instrument Transformers Connection point on Measured Impedance by Distance Relay in Presence of SSSC (F0509)

      Ahad Kazemi, Sadegh Jamali, Hossein Shateri,

PR1-02 Accurate Fault Location Principle by Means of Projection Operator for Distributed Parameter Transmission Lines (C0331)

      Hengxu Ha, Benguo Zou, Jing Wang, Lei Wang, Bo Chen, Dapeng Wang,

PR1-03 Measured Impedance by Distance Relay Considering Double π Model of the Line Capacitance (F0580)

      Sadegh Jamali, Hossein Shateri,

PR1-04 Simulation Tests of a Novel Criterion for Neutral Current Differential Protection (C0669)

      Min Zhang, Xinzhou Dong, Zhiqian Bo, Ben Caunce, Andrew Klimek,

PR1-05 Adaptive Protection Co-ordination Methods Concerning a Dedicated Operation of Large IPP Units Connected to the Transmission Grid (F1089)

      Johann Jaeger, Mathias Ramold, Li Shang,

PR1-06 Research on Relative Synchronization of Data Sampling at UHV line Two Terminals (C1059)

      Zhengxuan Huang, Jian Lou, Kunming Tang, Liting Lu, Zhuguo Ou,

PR1-07 Adaptive Blinder for Distance Relays based on Sensitivity Factor (F1547)

      Seong-Il Lim, Han-Chuan Yuan, Seong-Jeong Rim, Seung-Jae Lee, Myeon-Song Choi,

PR2 - Protection 2

Room: BH4a
Date and Time: Oct. 24, AM

PR2-01 Analyses and Studies on Universal Platform of Relays (C0107)
      Gang Li, Jun Wang, Ping Jiang, Shenming Zhang, Zhiwei Wang, Feng Deng, He Zhang, Xuhua
Zheng, Qiusheng Shi, QInyi Liu,
PR2-02 Wavelet Entropy Measure Definition and Its Application for Transmission Line Fault Detection and Identification （Part I: Definition and Methodology） (C0466)
      Zhengyou He, Xiaoqing Chen, Guoming Luo,
PR2-03 An Integrated Current Differential Protection Scheme (F0664)
      Haigang Wang, Dingxiang Du, Zhiqian Bo, Xinzhou Dong, Zexin Zhou, Jinghan He, B R J Caunce, A Klimek,
PR2-04 Wavelet Entropy Measure Definition and Its Application for Transmission Line Fault Detection and Identification （Part Ⅱ: Fault Detection in Transmission line） (C0468)
      Zhengyou He, Xiaoqing Chen, Ling Fu,
PR2-05 Wavelet Entropy Measure Definition and Its Application for Transmission Line Fault Detection and Identification （Part III: Transmission line faults transients identification） (C0469)
      Zhengyou He, Xiaoqing Chen, Bing Zhang,
PR2-06 Research on the On-line Coordination of Relay Protection and Integrated Manage System (C1146)
      Rongxiang Yuan, Zhipeng Xu,
PR2-07 Improving Control Ability of Relay Protection System with Intelligent Agents (F1090)
      Z. Yang, Z. Lu, C. Ma, Q.H. Wu, J. Fitch,
PR2-08 Research and Development of Visual Relaying Protection Setting Simulation System (C1148)
      Rongxiang Yuan, Hailiang Zhang,
PR2-09 Application of Wavelet Entropy and Adaptive Nerve-fuzzy Inference to Fault Classification (C1348)
      Bin Zhang, Zhengyou He, Qingquan Qian,

PR3 - Protection 3

Room: BH4a
Date and Time: Oct. 24, PM

PR3-01 A Novel Adaptive Protective Scheme For the Single-Phase Earth Fault of the Non-Effectively Grounded Power Systems (C0027)
      Xiangning Lin, Xiaofei Ma, Hanli Weng, Wenjun Lu, Qing Tian,
PR3-02 Study on Adaptive Protection System of Power Supply and Distribution Line (C0046)
      Zhongwei Li, Weiming Tong, Fengge Li, Shenghu Feng,
PR3-03 A Novel Single-Phase Earth Fault Feeder Detection by Traveling Wave and Wavelets (C0447)
      Jingguang Huang, Xiangyong Hu, Xianshan Li, Hanmei Hu, Yanping Lv,
PR3-04 Overcurrent Relay based Integrated Protection Scheme for Distribution Systems (F0666)
      Zhiqian Bo, Jinghan He, Xinzhou Dong, Ben Caunce, Andrew Klimek,
PR3-05 Performance Evaluation of a New Directional Protection Technique for Distribution Lines (C0668)

Dingding Yuan, Xinzhou Dong, Zhiqian Bo, Ben Caunce, Andrew Klimek, Shousun Chen,

PR3-06 Transformer Protection based on Fault Transient Detection (C0702)

Jinghan He, Zaojun Ou, Z.Q Bo, Ben Caunce, Andrew Klimek,

PR3-07 Study on Fault Line Selection based on Transient and Mathematical Morphology in Resonant Grounded System (C0926)

Yilong Qu, Weipu Tan, Shuan Cong, Yihan Yang,

PR3-08 Fault Line Selection based on Zero Sequence Power Direction of Transient Fundamental Frequency in MV Network Grounded with Arc Extinguishing Coil (C0962)

Jian Luo, Jianjun He, Hongwei Zhao, Hua Yang, Jie Zhang, Lei Liu, Rui Wang,

PR3-09 Grounding Fault Protection with Sampling Value Difference in Ineffectively Earthed Power Systems (C1421)

Yuanyuan Wang, Xiangjun Zeng, Yunfeng Xia, Hongjiang Ma, Yao Xu,

PR3-10 High Impedance Fault Detection Using Harmonics Energy Decision Tree Algorithm (F1516)

S.Mohammad Shahrtash, Mustafa Sarlak,

PR3-11 Novel Automatic Synchronizer based on Dual Principles and Dual Microprocessors (C1525)

Chun Huang, Yaqun Jiang, Yan Jiang,

SC1 - System Control 1

Room: No. 3
Date and Time: Oct. 23, PM

SC1-01 Economic Load Dispatch for Piecewise Quadratic Cost Function using Hybrid Self-adaptive Differential Evolution with Augmented Lagrange Multiplier Method   (F0039)

Chainarong Thitithamrongchai, Bundhit Eua-Arporn,

SC1-02 Transfer Capability of Long Transmission Lines as Affected by Shunt Compensation (F0066)

Qi Wang, San Shing Choi, Mohammed Hamidul Haque,

SC1-03 Optimization of Power Factor for Operation of Small Hydro Stations (C1283)

Jinlei Hu, Yao Zhang, Li Guo, Huifan Xie,

SC1-04 Increasing of Dynamic Thermal Rating of Transmission Line (F0235)

Udomkarn Samanmit, Songsak Chusanapiputt, Vuthichai Pungprasert,

SC1-05 Relativity Pheromone Updating Strategy in Ant Colony Optimization for Constrained Unit Commitment Problem   (F0407)

Songsak Chusanapiputt, Dulyatat Nualhong, Sujate Jantarang, Sukumvit Phoomvuthisarn,

SC1-06 Preventive/Corrective Control for Voltage Stability based on Primal-Dual Interior Point Method (C1438)

Yue Yuan, Xuehong Wen, Kejun Qian,

SC1-07 Optimal Power Flow With Dynamic Loads Using Bacterial Foraging Algorithm (F1154)

W.J. Tang, M.S. Li, S. He, Q.H. Wu, J.R. Saunders,

SC2 - System Control 2

Room: No. 3
Date and Time: Oct. 24, AM

SC2-01 Coordination of PSS and FACTS Damping Controllers in Large Power Systems for Dynamic Stability Improvement (F0634)

      Mojtaba Najafi, Ahad Kazemi,

SC2-02 Adaptive PSS Designed based on Low-order Linear Model for Large-scale Power System (F0843)

      Toshio Sugihara, Akihiko Yokoyama, Atsushi Izena,

SC2-03 Wide-area Robust Control for Damping Multiple Inter-area Oscillations (C0465)

      He Chen, Jing Chen, Xiying Chen, Hong Bai, Zhizhong Guo,

SC2-04 Hybrid Immune Genetic Method for Dynamic Reactive Power Optimization (F0852)

      Fang Liu, CY Chung, K.P. Wong, Wei Yan, Guoyu Xu,

SC2-05 SVC Compensation on a Real-Time Wide-Area Control for Mitigating Small-Signal Instability in Large Electric Power Systems (F1447)

      Jaime Quintero, Vaithianathan Venkatasubramanian,

SC2-06 Fast Prediction of Loadability Margins by Constructing a Small-Signal Stability Boundary based on Neural Networks (C1132)

      Xueping Gu, Claudio A Canizares,

SC2-07 Eigenvalue Sensitivity Analysis for Dynamic Power System (F1548)

      Jian Ma, Zhaoyang Dong, Pei Zhang,

SC3 - System Control 3

Room: No. 3
Date and Time: Oct. 24, PM

SC3-01 Dynamic Security Assessment to Protect Systems after Severe Fault Situations (F0227)

      Edwin Lerch, Olaf Ruhle,

SC3-02 Research of Incentive Revelation Mechanism in Power System Optimal Security Control (C0719)

      Benguo Zou, Dapeng Wang, Lei Li, Xinsheng Niu, Hongzhi Zang, Yishu Zhao,

SC3-03 Special Load Shedding Scheme to Enhance System Stability of Small Power System (F0606)

      Lee Eng Ling, Nyuk Min Vong,

SC3-04 A New Under-Frequency Load Shedding Scheme Considering Load Frequency Characteristics (C0801)

      Xiaofu Xiong, Wenyuan Li,

SC3-05 Power System Transient Stability Improvment Using Fuzzy Controlled STATCOM (F1504)

      MohammadReza Zolghadri, Alireza Ghafori, Mehdi Ehsan,

SC3-06 A Nonlinear Coordinated Control Strategy for AC/DC Interconnected Power Systems (C1006)

      Xingyuan Li, Yanxia Xian,

SM1 - System Simulation 1

Room: No. 1b
Date and Time: Oct. 23, PM

SM1-01 Power System Transient Stability Simulation under Uncertainty based on Interval Method (C0232)

   Shouxiang Wang, Zhijie Zheng, Chengshan Wang,

SM1-02 Study on Dynamic Characteristics of Electromechanical Wave in the Continuum Model for Power System (C0691)

   Delin Wang, Xiaoru Wang, Yi Fang, Wenbin Hao,

SM1-03 Analysis of the Failure in a Turbine-Generator Shaft (C0748)

   Yanhui Xu, Renmu He,

SM1-04 Impact of Characteristic Path Length on Cascading Failure of Power Grid (C0829)

   Xiaogang Chen, Quanyuan Jiang, Yijia Cao,

SM1-05 Study on Inter-area Oscillation Frequency of Power Systems (C1159)

   Qing Wang, Yiwei Zhang, Yong Min,

SM1-06 A Power Systems Analysis Software Package For Open Electricity Markets (F1180)

   Joseph Nai-yee Cheung,

SM1-07 Power System Transient Stability Simulation Using the Precise Time-Integration Method (C1267)

   Xianrong Chang, Yubin Wang, Lifeng Hu,

SM1-08 A Distributed-Computing-based Eigenvalue Algorithm for Stability Analysis of Large-scale Power Systems (C1307)

   Xu Zhang, Chen Shen,

SM2 - System Simulation 2

Room: No. 1b
Date and Time: Oct. 24, PM

SM2-01 Analysis of Composite Load Models on Load Margin of Voltage Stability (C0296)

   Shaohua Li, Hsiao-dong Chiang, Sheng Liu,

SM2-02 Modularization Modeling of the Full-Scope Dynamic Simulation for Water-Turbo Generators (C0629)

   Jianguo Zhu, Xianshan Li, Xiangyong Hu,

SM2-03 Geometrical Structure of Constraint Manifold in Power System Differential-Algebraic Model (C0841)

   Hao Wu, Ruipeng Guo, Zhenxiang Han, Deqiang Gan,

SM2-04 Dynamic Modeling and Transient Stability Simulation of Asynchronized Generators in Power Systems (C0844)

   Xia Zhao, Jiaqi Zhou, Wenyuan Li,

SM2-05 Research on the Influence of Load Characteristic on Voltage Stability (C0944)

   Yanping Zhang, Jianhua Zhang, Wei Huang, Han Yu,

SM2-06 Researches on the Load Representation of Hunan Power Grid AC/DC System (C1260)

   Zhiyang Liu, Jun Wen, Minxiao Han, Ling Dong, Hui Ding,

SM2-07 A Method to Refine Electricity Consumption Data from Automatic Meter Reading Systems (F1286)

   Fredrik Wallin, Eva Thorin, Andreas Kvarnström, Johan Kvarnström, Erik Dahlquist,

SM2-08 A Trajectory Based Waveform-dividing Method for Recognizing Dynamic Performance of Power System (C1362)

   Jun An, Gang Mu, Hao Sheng, Ping Li, Gangui Yan,

SM3 - System Simulation 3

Room: No. 1b
Date and Time: Oct. 25, AM

SM3-01 Advanced Simulation Platform of Electromagnetic Transients in Power Systems (C0071)
      Hongshan Zhao, Yanan Wu,

SM3-02 Modeling and Simulation for Relay Protection with the CD++ Toolkit (C0087)
      Hongshan Zhao, Jiping Zhang, Zengqiang Mi,

SM3-03 Anticipate, Simulate, Get Results and Win: Modeling at the Speed Faster than Real Time (F0385)
      Mark Lauby, Marek Samotyj,

SM3-04 Generating Detailed Software Models Of Microprocessor-Based Relays (C0900)
      Tao Zhu, Xiaorong Xie, Dakang Zhu, Wenjin Cui,

SM3-05 Discrimination of Inrush Current based on Dynamic Magnetizing Inductance Solved by Sinusoid Approximation of Instantaneous Signal (C0976)
      Guang Li, Qingquan Qian, Jian Luo, Guanglei Yu, Liting Lu,

SM3-06 Transient Recovery Voltage Assessment for 138kV Breakers with the New Addition of a Wind Farm (F0440)
      Zheng Zhou, Xuegong Wang, Paul Wilson,

SM4 - System Simulation

Room: No. 1b
Date and Time: Oct. 25, PM

SM4-01 Study on Parallel Algorithms for Power System Small Signal Stability based on PC Clusters (C0245)
      Fang Li, Jian Guo, Zhongxi Wu, Xiaoxin Zhou,

SM4-02 Grid-Service Based Distributed Power Flow Calculation (C0746)
      Chen Shen, Ying Chen, Shaowei Huang,

SM4-03 Design of a Real Time Digital Simulation System for Test of New Protection Schemes (C0750)
      Dingxiang Du, Haigang Wang, Zhiqian Bo, Zexin Zhou, Xinzhou Dong, Ben Caunce, Andrew Klimek,

SM4-04 Application of Neural Networks to the Identification of Steady state Equivalents of External Power Systems (F1495)
      Anna Larsson, Alain Germond, Boming Zhang,

SM4-05 A Practical Method to implement Hardware-in-Loop Testing in Parallel Electromechanical Transient Digital Simulation (C1194)
      Yalou Li, Xiaoxin Zhou, Zhongxi Wu,

SM4-06 EMTP Modeling of Anti-Earthquake Building Stroked by Lightning (C1289)
      Mohamed Nayel, Naoto Nagaoka, Jinliang He, Jie Zhao, Z. Cai, Q. Wang,

SM4-07 Thailand Experiences in Overvoltage Analyses and Events in Electric Power Transmission System due to Switching and Lightning Surges (F1515)
      Surapol Dumronggittigule, Kanchit Ngamsanroaj,

SM4-08 The Study of Detailed Fossil Fuel Steam Unit Model for Long-term Power System Dynamic Simulation (C1294)

>Xianrong Chang, Zhenjian Guan,

SO1 - System Operation

Room: No. 3
Date and Time: Oct. 25, AM

SO1-01 The Improvement of the Small-world Network Model and Its Application Research in Bulk Power System (C0166)

>Jian Ding, Xiaomin Bai, Wei Zhao, Zhu Fang, Zaihua Li, Min Liu,

SO1-02 Application of Multi-objective Algorithm based on Particle Swarm Optimization in Electrical Short-term Load Forecasting (C0914)

>Li Feng, Jianjun He, Qingyun Kong, Lin Guo,

SO1-03 Reliability Assessment of Protection System for Switchyard Using Fault-Tree Analysis (F0928)

>Ying-Yi Hong, Lun-Hui Lee, Heng-Hsing Cheng,

SO1-04 Study on the Electrical Power Fault Recorder Integrated Analysis & Application System (C0927)

>Yuan Li, Dichen Liu, Xinwei Du, Qingfen Liao,

SO1-05 Analysis of Component's Reliability Modeling based on Real-time Operating Conditions (C1135)

>Jian He, Lin Cheng, Yuanzhang Sun,

SO1-06 Fuzzy TSK Model for Short Term Load Forecasting of Iran National Power System (F1569)

>Ali Akbar Gorji, Mohammad Bagher Menhaj, Saeedeh Barghinia, Pooya Ansarimehr,

SO1-07 A Case-based Reasoning System for Black-start (C1379)

>Yunhai Zhou, Xiangyong Hu,

ST1 - Substation 2

Room: No. 5
Date and Time: Oct. 24, PM

ST1-01 Influence of Ground Potential Rise on Recloser Control Broad in Distribution Lines (F0415)

>Kristina Withironprasert, Natthapong Tamwong, Songsak Chusanapiputt, Sukumvit Phoomvuthisarn,

ST1-02 Improved Design of Square Grounding Grids (F1073)

>Sherif Ghoneim, Holger Hirsch, Ahdab Elmorshedy, Rabah Amer,

ST1-03 Analysis of Long Electrode Transient Parameters (C1287)

>Mohamed Nayel, Jie Zhao, Jinliang He, Zongyuan Cai, Qi Wang,

ST1-04 Grounding Analysis of a Large Electric Power Station (F1102)

>Jinxi Ma, Farid P. Dawalibi,

ST1-05 GPR Zone of Influence of a Typical Electric Power Network (F1241)

>Nina Mitskevitch, Farid Dawalibi, Jinxi Ma, Jie Liu,

ST1-06 Fault Diagnosis of Substation based on Petri Nets Technology (C1477)

Jingbo Huang, Longhua Mu,

ST1-07 A Novel Method to Determine Earth Fault Split Factor For Grounding Grid Design of HV Substations (F1285)

Seyed Mohammad Shahrtash, Nabiallah Ramezani,

UH1 - UHV Transmission

Room: No. 1a
Date and Time: Oct. 24, PM

UH1-01 The Effect of Convexity of Lightning Impulse Voltage Waveforms on Accuracy of HV Measuring Systems (F0705)

Pearawut Yutthagowith, Norasage Pattanadech, Vuttichai Chatpattananan, Sukumvit Phoomvuthisarn,

UH1-02 Study on Sharing Earth Electrode of UHVDC (C0155)

Yiying Zhu,

UH1-03 Corona Audible Noise Measurements in a Small Indoor Corona Cage under HVDC Voltages (F1012)

Mokwape J Lekganyane, Nelson M Ijumba, Anthony C Britten,

UH1-04 Study on Xiluodu and Xiangjiaba UHVDC Earth Electrode (C0165)

Mingde Cui, Lianguang Liu, Zhongming Sun,

UH1-05 Converter Stations for 800 kV HVDC (F1032)

Urban Åström, Victor Lescale,

UH1-06 GRNN applied to study the Lightning Shielding Performance for EHV&UHV Transmission Line (C0496)

Wei Deng, Lei Lan, Xudong Peng, Weidong Liu, Xi'shan Wen,

UH1-07 Overhead Conductor Vibrations and Control Technologies (F1472)

Jeff Wang,

UH1-08 Generating the Switching Impulse with Long Time Front by Concatenated Test Transformer (C0563)

Xudong Peng, Jingchao Zhang, Zhong Xu, Chengxue Zhang,

UH1-09 Integrated Computer Approach to Analyze the Electromagnetic Impact of Transmission Lines (F1511)

Jie Liu, Simon Fortin, Huiliang Zhao, Farid Dawalibi, Sharon Tee,

UH1-10 Positive Switching Impulse Discharge Performance and Voltage Correction of 1 meter Rod-plane Air Gap (C1110)

Xingliang Jiang, Jianlin Hu, Zhijin Zhang, Yunqing Bai,

UH1-11 A New Approach to Calculate the Ionized Field of HVDC Transmission Lines in the Space and on the Earth Surface (F1542)

Simon Fortin, Huiliang Zhao, J. Ma, Farid Dawalibi,

UH1-12 Investigation of Corona and Dry Band Arcing of ADSS Fiber-Optic Cables in High Electric Field (F1595)

Jordan Shikoski, George Karady, Vlatko Chingoski,

VS1 - Voltage Stability 1

Room: No. 10

Date and Time: Oct. 25, PM

VS1-01 A Enhanced Contingency Selection Method with respect to Multiple Contingencies for On-line Voltage Stability Assessment (C0177)

Jinquan Zhao, Hsiao-Dong Chiang,

VS1-02 Voltage Sensitivity Analysis in Voltage Support of the China Southern Power Grid (C0236)

Qing Zhong, Yao Zhang, JIanshe Zhang, Zhigang Wu,

VS1-03 Computation of Power Systems Minimum Voltage Stability Security Margins (F0387)

Duvier Bedoya, Carlos Castro,

VS1-04 Power Transmission Path Analysis of Voltage Stability in Shandong Power System (C0564)

Liang Wang, Yutian Liu,

VS1-05 Study on Secondary Voltage Control based on Multi-agent Particle Swarm Optimization Algorithm (C0657)

Zhiwei Jia, Jun Liu, Xiaomei Xie,

VS1-06 The Line P-Q Curve for Steady-State Voltage Stability Analysis (F0460)

Ronnapa Paosateanpun, Songsak Chusanapiputt, Sukumvit Phoomvuthisarn, Sotdhipong Phichaisawat,

VS1-07 Development of Power System Voltage Stability Region (PSVSR) for Static Voltage Security Assessment (C0989)

Wei Wei, Hongjie Jia, Pei Zhang, Chengshan Wang, Jianzhong Wu, Stephen T. Lee,

VS1-08 Analysis on Mechanisms of Mid and Longer-Term Voltage Instability (C1145)

Chao Li, Rongxiang Yuan, Yuan Zheng,

VS2 - Voltage Stability 2

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VS2-01 Hybrid Power Control System and Its Application (C0677)

Wei Hu, Qiantu Ruan, Wei Wang, Shengwei Mei, Qiang Lu,

VS2-02 The Design and Implementation of HAVC System (C1242)

Xiangping Ni, Wei Hu, Yingyun Sun, Guangyu He, Qiang Lu,

VS2-03 Analysis of Transient Voltage Stability via Quadratic Approximation Method (C1326)

Yihong Wang, Chen Shen, Shengwei Mei, Ancheng Xue,

VS2-04 Robustness Evaluation of Static Voltage Stability through Structural Characteristics of Power Systems (F1341)

Jun Zhou, Yasuharu Ohsawa,

VS2-05 Discussion About the Corrective Control for Voltage Stability of Complex Power Systems Based on Primal-Dual Interior Point Method (C1440)

Yue Yuan, Kejun Qian, Xuehong Wen,

VS2-06 The Development and Field Experiment of Power Plant Subsystem of the HAVC System (C1454)

Bangpeng Xie, Wei Hu, Deming Xia, Yuting Yan,

VS2-07 Mechanism Research of Short-Term Large-Disturbance Voltage Stability (C1474)

Yong Tang, Shiying Ma, Wuzhi Zhong,

WAC - Wide Area Protection and Control

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WAC-01 Effect of Delayed Input on Wide Area Optimal Control and Design of Compensation (C0083)
>   Ye Yuan, Yuanzhang Sun,

WAC-02 Research of Out-of-Step Protection System based on Wide Area Measure System (C0119)
>   Xiying Chen, Weixing Li, He Chen, Zhizhong Guo,

WAC-03 Use of Special Protection Systems for Major Palo Verde Network Hub Congestion Management in the U.S. Southwest (F0224)
>   James Hsu, Kristie Cocco, Tom Isham, Barrie Kokanos,

WAC-04 A Fault Determination Algorithm For Relaying Protection System based On Wide Area Information (C0592)
>   Wei Cong, Zhencun Pan, Jianguo Zhao, Minghui Song, Lei Ding,

WAC-05 The Cooperative Modeling of Wide-area Protection Multi-agent based on Origination (C0766)
>   Xiaoyang Tong, Xiaoru Wang, Jun Tang,

WAC-06 Wams Based Flow Transferring Indentification Algorithm and Its Implementation (C1056)
>   Huiming Xu, Tianshu Bi, Shaofeng Huang, Qixun Yang,

WAC-07 Challenges in Implementing a Large-Scale PMU System (F1594)
>   Yi Hu, Damir Novosel,

WAC-08 Wide-area Protection and Control System With WAMS Based (C1375)
>   Dengjun Yan,