

T-2 (Power Transmission Systems)

Field Test of EGAT 500 kV Transmission system and Overvoltage Analysis due to Switching

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IEC 61850 Standard as Driver for Distributed Automation Solution For EHV Substations

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Construction Technology of Line Stringing under Tension for Transmission Line Project of 500 kV Compact Type 6-bundle Conductors

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An Adaptive Reclosing Scheme of EHV Double - circuit Lines on Same Towers

Zheng Yu -Ping, Wang Ailing, Chen Xiao, Shen Jun , Zhang Zhe, Li Jiu-Hu., NARI-RELAYS Electric Co., Ltd., China

The Softer Side of SHE

Ernst Greyling, Liaoyang Sailun Paper Board Co. Ltd, China

The study of the digital substation system and its application mode

Chen Wensheng, Shanghai Electric Power Design Institute Ltd, China

Substation Asset Management: An Assessment of the Network Performance of New Substation Projects

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Manufacturing Reliable Power Transformers

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Substation Probabilistic Planning Method Based on Modified LOLP Algorithm

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Application of Reconfigurable Embedded SOPC Platform (RESP) Based on Montavista linux in Substation Automation System

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The Research and Design on the Relay Protection Arrangement for the Link-transformer of the STATCOM Device

Jingsong_Xu, Shanghai Electric Power Design Insitute Co. Ltd., China

Development of SF6 Current Transformers and Capacitive Voltage Transformers for High Voltage Levels with regard to Design, Installation and Service Life of Instrument Transformers

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First Experiences with Design and Engineering of IEC 61850 based Substation Automation Systems in India

Rajiv Krishnan, Bapuji Palki, ABB India, Bangalore

Short-Circuit Currents of the Provincial Electricity Authority (PEA)

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Quality Management in Transformer Business

Wolfgang Knorr, Wolfram Pflücke, Siemens, Germany

Study on 500kV Substation Automation System

Yuan Jing-Zhong, Su Ning, Zhang Hai-Wei , Xue Su-Yan, Shen Zhi-Yu, Yan Li, North Grid China Company Ltd., China

Development of Strategic Business Management System

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Complex Vector Control of a Unified Power Flow Controller

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Application of Web GIS in Management of Construction and Production about Electrical Power Transmission and Transformation ——Brief Introduction to PIMS

Su Xiucheng, Zhang Jia Lei, Jiang Chunhua , Chen Xiaolong, Beijing Electric Power Transmission and Transformation Company, China

Calculation of Very Fast Transient Overvoltages in 750kV GIS

Fan Yue, Liyunge Shi, Keqin Han, Yanhua, North Grid China Company Ltd., China

Newly Developed Terminations for 400kV XLPE Cable

A. Terayama , K. Fudamoto , K. Kumagawa, Y. Watanabe, M. Mitani, J-Power Systems Corp., Japan

Automatic Network Quality Analysing System

B. Wartmann, Ewz; Dr. L. Philippot, Netcelar; M. Freres, Siemens AG, Germany

Controlled Switching of EHV Circuit Breakers Improves Power Quality

Carl E Sölver, Per Jonsson, Lennart Stenström, ABB Power Products, Sweden

The Mathematics Model of the DSM Optimized Controlling and Programming

Chen Kai, Chen Hong, Zhang Shuian, Huang Yuebing, Hubai Ezhou Electric Power Supply Bureau, China

UHF Partial Discharge Diagnostics for Condition Assessment of Power Transformers

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Three-Pole Controlled Auto-Reclosing of Shunt Compensated Transmission Lines

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Applications Of Tnb-Egat 300mw Hvdc Interconnection Transient Stability Functions

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Three Gorges - Shanghai HVDC: Reinforcing Interconnection between Central and East China

Abhay Kumar Ma Weimin Gou Ruifeng, ABB Power Products, Sweden

Operation and Maintenance Experiences at HVDC Converter Station 300/600 MW Interconnection Thailand-Malaysia Link

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City Infeed With HVDC Light® And Extruded Cables

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Trends for future HVDC Applications

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HVDC-Applications Significantly Improved By The Use of The New Generation of On-Load Tap-Changers With Vacuum Switching Technology

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Establishment of the HVDC Digital-Analogical Hybrid Simulation System

Liu Yun, Ying Yonghua, Zeng Nanchao, Jiang Weiping, Wang Mingxin, Lv Pengfei, Chen Lingfang, Li Xinnian, China Electric Power Research Institute, China

Configuration Principle of Last Breaker Trip Equipment in Inverter Station of HVDC

Liu Yun, Wang Ming-Xin, Zeng Nan-Chao, Yang Wankai, Ma Suo-Ming, China Electric Power Research Institute, China

Vibration Tests of a Transmission Tower Focusing on the Tensile Forces of its Transmission Line Cables

Hisao Maeda, Shuji Ebihara, Mayumi Fujimura, Junji Maeda, Yoshito Imamura, Makoto Honda, Kyushu Electric Power Co., Japan

Small Current Interruption : Not an Obviously Simple Task for Circuit Breakers

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Corrosion Issues on High Voltage Transmission Towers

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Wavelet Analysis of Lightning Overvoltage on a Transmission Line

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Voltage Profile Improvement in 115 kV PEA Power System Using Shunt Capacitor Placement

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Development of Parallel TEPCO -BCU and BCU Screening Classifiers for On-line Dynamic Security Assessment

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Oil Filter Tank; Experimental Study of the Cheaper Replacement

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Technology and Development of 800 kV HVDC Applications

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Research on Transition Between Ground Return and Metal Return in Ge - Nan HVDC Transmission System

Yan Yu, Zhu Wei-Jiang, Liu Hao, Chen Gang, Wang Yi-Yu, Zou Jing, State Power Grid Corporation of China, China

The Study on Determination of UHVDC Voltage and Transmission Capacity

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Characterization of Dynamic Phenomena on EGAT Tie Transmission Line Caused by Major Disturbance

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Effect on 500 kV Line Operation in Thailand Power Grid: A Case Study on Double Circuit 500 kV Line BSP2-CBG

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Strategies for Operational Planning of Power Deficient Systems – Case Study of Western Grid of India

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Study of Impact of Long-Distance, Large-Section Power Cable Upon Power Grid

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Field Survey on Two Cases of 500kV Power Transmission Tower Collapses Under Severe Storms in Eastern China

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Fault Analysis Expert System of Power System

Yu Yuehai, Xi Guofu, Xu Shiming, Bai Yichuan, National Automation Research Institute, China

Research and Application of Copper-made Grounding Grid in China Northwest Power Grid

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The Study of Operating State Analysis and Fault Diagnosis Approaches for Complex Cascading Events in Power System

Wei Zhao, Xiaomin Bai, Jian Ding, Zhu Fang, Zaihua Li, China Electric Power Research Institute, China

Use of FACTS for System Performance Improvement

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Monitoring System of Gas Insulated Transmission Lines (GIL)

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PMU Placement Based on Power System Characteristics

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Preliminary Study on Optimal Operation of Multiregional Hydropower Stations

Pei Zheyi, Wu Yonggang, Li Guochun, State Grid Corporation of China, China

Electric Power Supply of Metropolitan Areas – from Planning to Solutions

Klaus Schilling, Andreas Luxa Uwe Schichler, Siemens, Germany

Frequency Response Analysis for Mechanical Condition Assessment of Power Transformers after Transportation

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Benchmarking System Operation Processes for 20 international Transmission System Operators

Bart Franken, Michael Rogge, CM Mak, KEMA Consulting Europe, Germany

A User- friendly Implementation of IEC 61850 in a New Generation of Protection and Control Devices

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