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The Intelligent Power Grid

By Jeffrey Taft, IBM

The IBM Utility Intelligent Network Analytics and Architecture

Jeffrey S. Katz, IBM

Overview of IBM Click Software Mobil Workforce Management Solutions

Nigel Clark, IBM

Standards Based Integrated Approach for A Distribution Automation System

Umesh K. Singh – Kema Inc., USA

The Migration of Voice over IP into Electricity Generating Thailand's Voice Network

Ekularn Dhavarudha, EGAT, Thailand

Development of PON Closure

Kazuto Iwasaki, Shigemi Nakamura (Kyushu Electric Power Co., Inc.), Japan

Upgrade the Operation and Maintenance Concept of the Substation Equipment by Using Substation Automation System (SAS)

Mr. Phiphat Tanapornchinpon, Mr. Patana Sangsriroujana, EGAT, Thailand

Process Bus Communication in High Voltage Substations Based on IEC 61850

Martin Schumacher, Clemens Hoga, Dr. Joachim Schmid, Siemens, Germany

Development of Optical IP Communication System for Line Switch Control

Masaharu Iwahashi, Haruo Takagi, Yuuji Aramaki, Takeru Aishima, Kyushu Electric Power Co., Japan

Reliability Evaluation on Northwest China Power System Using Monte Carlo Simulation

Ding Yongfu, Li Yan, Wang Xifan, Wang Xiuli, North China Grid Company, China

The Application of Geographic Information System using with Lightning Location System for Transmission Line Inspection and Maintenance in Thailand

Mr. Wichai Archavarungson, EGAT, Thailand

Procedure Analysis of IEC 870-5-101 Clock Synchronization and One of Its Improved Algorithms

Zonghao Cen, Xingai Fang, East China Grid Company Ltd., China

Broadband Power Line in Japan – Technology and Future Prospect

Atsumasa Sakai, Tokyo Electric Power Company, Japan

Non-Conventional On-Site Partial Discharge Diagnostics of Transmission Power Cable Accessories

S. Meijer, E. Gulski, P.D. Agoris, Delft University of Technology, The Netherland

ODMS – a Corporate Level Operational Information System

Oliveira Duarte1, Ana Falcão 2, José Távora, CEM, Macau

Further Improving Work Efficiency And Quality With Information Technology In Kyushu Electric's Thermal Power Division

Kouichi Kinoshita Shuuichi Tajiri, Kyushu Electric Power Co., Inc., Japan

Improvement of Communication System for MEA's Power System Control

Supoch Santivipanond, Dr.Tosak Thasananutariya ,MEA, Thailand

Automated Meter Management for Network Utilities

Steve Hoy, IBM

Efficient Management of Power Distribution Networks

Alfred Manohar, ABB Ltd. India,

Black Out Prevention using Dynamic Security Assessment

E. Lerch,O. Ruhle, Siemens, Germany

An Alternative Design Approach for DMS Using Knowledge Engineering

Knathip Spuntupong, MEA, Thailand

Industrial Power Quality Management of Sumatra Distribution System in Scarcity Supply Condition

Rizky Mochamad, PT PLN Persero, Indonesia

Meter Route Landbase Tracing Project

Ronoel M. Dellota, Msee, Pee, Manila Electric Company, Philippines

Data Mining and Decision Support of Power Load Management System

Wang Weifeng,Tang Xuedong, Shaoxing Electric Power Bureau, China

Application of Fault Component in Protective Relaying and A Novel Algorithm to Extract Fault Component

Zhang Jiankang, Su Xiaohua, North west Electric Power Dispatching & Communication Center, China

The Establishment of Incentive Regulation for a Large Number of Electricity Networks - A New Kid on the Block: The German example

F. Boisseleau, K. Petrov, W. Cheng, C. Müller, And G.C. Scarsig.C. Scarsi, KEEMA, Germany

Research and Development on High-speed Power Line Cmmuication

Masayukiyamasaki, Ryuusuke Mori (Kyushu Electric Power Co., Inc.), Japan*

Development of Data Switched Network for Transmitting Load Dispatching Information Using IP Technology

Masayuki Yamasaki, Hideki Tagashira (Kyushu Electric Power Co., Inc.), Japan*

High-speed Large-capacity Transmission Characteristics of Existing OPGW

Kazuto Iwasaki, Kuwahara Shinya (Kyushu Electric Power Co., Inc.), Japan*

Digitalization of Mobile Wireless Communication System for Electric Power Utilities and Technologies for Blind Spot Coverage

Masayuki Yamasaki, Yasuki Tateishi (Kyushu Electric Power Co., Inc.), Japan*

Digital Communication in High Voltage Switchgear

Thomas Schaffler, Siemens, Germany

Customer Load Research in MEA

Wattanarat Chomsa, MEA, Thailand

The Power Transmission and Distribution Price Compensating Mechanism Based on the Unbalanced Electric Power Supplies

Chen Kai Chen Hong Zhang Shuian Huangyuebing, Hubei Ezhou Electric Power Supply Bureau Ezhou, China

Determining the Layout of Terminal Stations using SLP: (A case study of Thanontok Terminal Station)

Kanokpon Phetvongsakul, MEA, Thailand

Designing DWDM Network for Power Utilities

Ms. Areeyata Sripetch, Mr. Panya Thongkeng, EGAT, Thailand

Development of Image Monitoring System Using Web Technology

Masayuki Yamasaki, Hiroshi Oono (Kyushu Electric Power Co., Inc.)*

The Application of ICMP for Network Performance Monitoring System in EGAT Data Communication Network

Dr. Surat Tanterdtid, Mr. Pathompong Satiwawong, EGAT, Thailand

Design of OPGW Network in Power Utilities

Mr. Wissarut Yuttachai, Mr. Panya Thongkeng, EGAT, Thailand

Design and Implementation of Communication Network for Responsive Load Control System

Zhao Qingqi, Zhang Huaguang, Li Ming, Liaoning Electric Power Co. Ltd, China

Integrated Application of Power Load Management System Communication Modes

Zhao Yue, Liu Shaojun, Chaoyang Power Co., China

New Approach for Classifying Transient Phenomena in Power Transformer Using Discrete Wavelet Transforms (DWT) and Fuzzy Logic

Dr. Nguyen Hoang Viet, Nguyen Tuan Dung, HCM City University of Technology

Control Strategy of Reserved Power Auto-switch-on Device for Pentagonal Connection with Dual Power Sources

Tang Da-Hai, Zhenjiang Power Supply Co, China

A New EMS Report Form Management System of Power Network Dispatching Based on JAVA Technique

Ruihua Ren, Henan Electric Power Co, China

Practical Aspects and Experience of On Site Diagnosis on MV Cables

Peter Mohaupt, Gerhard Reimann, Dr. Kay Rethmeier, BAUR Pruf-und Messtechnik GmbH Sulz, Austria

I.T. in Power Distribution - Eastern Power Distribution Company of AP Ltd

A.K. Ghosh, Eastern Power Distribution Company of AP Ltd., India

IT Driven Business Process Improvement in Energy Sector: Case Studies

Dr. Chandan Chowdhury, IFS India, India

Implementing IT for 3 Million Consumers in India using SG61 Technology

Kumud Goel, KLG Systel Ltd, India