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ICT Issues Within Transmission Planning	Michael Pelevin* Powerlink Queensland, AUSTRALIA
Development of Power Distribution Facilities Planning System Aiming at Real-time Interchange of Data Between GIS and Distribution Automation System	T.Minejima*, A.Hayashi, N.Kaneko Tokyo Electric Power Company (Japan)
DEVELOPMENTS AND ENABLING TECHNOLOGIES IN ICT - IMPACTS, ISSUES AND CHALLENGES TO POWER UTILITIES	CHEONG KAM HOONG*  Universiti Tenaga Nasional (UNITEN), Km 7, Jalan Kajang-Puchong, 43009 Kajang, Selangor (Malaysia)
DEVELOPMENT AND DEPLOYMENT OF OPEN SOURCE SOFTWARE IN THE ENTERPRISES	ABD GHAFAR BIN ABD LATIF Head (Application Development) IT Department, ICT Division Tenaga Nasional Berhad, Malaysia
Development of SDH Backbone Telecommunication Network in TNB	Anthony S. Rajamanickam*  Tenaga Nasional Berhad Malaysia
The Impact of ICT Technology Development on Power Quality Monitoring	Mr. Terry Chandler Power Quality Thailand LTD Bangkok, Thailand 662-373-6340  Mr. Kerk See Gum Power Automation LTD Singapore

<p>Power Quality Monitoring Using Intelligent Electronic Devices (IEDs)</p>	<p>N. Khan<sup>1</sup>, N. Mariun<sup>2</sup>, M. Rizal<sup>2</sup> and N<sup>3</sup>. Abas</p> <p>1. Protection Engineer, Pakistan Water and Power Development Authority, Lahore, Pakistan.</p> <p>2. Department of Electrical and Electronic Engineering. University Putra Malaysia, Serdang</p> <p>3. Department of Electrical Engineering, CECO University, Hayatabad, Peshawar, Pakistan</p>
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<p>Development of Power Quality Compensation System with EDLC for Distribution Systems</p>	<p>H. KONISHI* Hitachi Ltd. Japan</p> <p>S. SUGIMOTO, T. TAKAGI, S. OGAWA Chubu Electric Power Company, Japan</p>
<p>DATA COMMUNICATION SCHEMES FOR A POWER QUALITY MONITORING SYSTEM</p>	<p>K.H. Leung, W.Y. Chu, Cathen Ho, John Chan, C.W. Li, H.F. Kwan, Vincent To* Technical Services Department, PSBG, CLP Power Hong Kong Limited Hong Kong SAR</p>
<p>Using Data Analysis Techniques to Target Reliability Improvement Initiatives</p>	<p>B SHARP</p> <p>Powerlink Queensland, Australia</p>
<p>Impact of ICT on the Feasibility of Integrated Protection Engineering and Management Solution for Transmission System</p>	<p>Zainoren B. Shukri* Tenaga Nasional Berhad, Malaysia</p> <p>A. Asuhaimi Mohd. Zin Universiti Teknologi, Malaysia</p> <p>K.L. Lo University of Strathclyde, Scotland</p>
<p>DEVELOPMENT OF POWER SYSTEM PROTECTION KNOWLEDGE-BASED EXPERT SYSTEM USING INTERACTIVE MULTIMEDIA APPROACH</p>	<p>MOHAMMAD LUTFI OTHMAN*, ISHAK ARIS, NORMAN MARIUN, RATNA KALOS ZAKIAH SAHBUDIN. UNIVERSITY PUTRA, MALAYSIA</p>
<p>Conceptual Architecture for Control Centres in TNB</p>	<p>Mohd Fuzi Abdul Shukor*, Wan Azlan Kamarulzaman Tenaga Nasional Berhad, MALAYSIA</p>

Implementation of 400 MHz-band Digital Mobile Radio System	MASAYUKI YAMASAKI, KAZUTO IWASAKI, SEIICHIRO SHIBATA* KYUSHU ELECTRIC POWER CO., INC, Japan
Critical Review of Powerline Communication Technology	K.A. BEH*, K.H. CHEONG College of Graduate Studies, Universiti Tenaga Nasional, Malaysia
HIGH FREQUENCY DATA COMMUNICATION OVER OVERHEAD POWER LINES	R. Keyhani and D. Birtwhistle Queensland University of Technology School of Electrical and Electronic Systems Engineering George Street, Brisbane, Australia
Bluetooth(tm) Based Automatic Distribution Substation Load Reading	Ya'akob Raja Omar, Norashidah Md. Din & Md Zaini Jamaludin Electrical Engineering Department, College of Engineering Universiti Tenaga Nasional, Malaysia

Development Of A Wireless Communication Terminal For Automatic Meter Reading	Hiroyuli Itazaki  Chubu Electric Power Co. Inc, Japan
Approach for Asset Management through Integration of ERP and Maintenance Management System in Transmission Sector	Makoto Yagi, Takayuki Hakugin, Hiroaki Kitani* KANSAI Electric Power Co., Inc. Japan
Application of a Knowledge-based Expert System to High-voltage Transmission Line Maintenance	Mohd Junaizee Mohd Noor School of Electrical & Electronics Systems Engineering, Queensland University of Technology Brisbane, AUSTRALIA  David Birtwhistle School of Electrical & Electronics Systems Engineering, Queensland University of Technology AUSTRALIA  Stewart C. Bell Powerlink Queensland, AUSTRALIA

Renewal of Data Switched Network for Load Dispatching Information Transmission System Using IP Network	MASAYUKI YAMASAKI, KAZUTO IWASAKI, HISATO HOKANISHI, YASUKI NAITOU*  KYUSHU ELECTRIC POWER CO., INC., Japan
INTEGRATION OF SCADA AND GIS AND THEIR APPLICATION TO POWER SYSTEM AUTOMATION	LIN ZEEN* Vicom Technology Company Limited, China  KWOK-HONG MAK Parsons Brinckerhoff Limited, UK  OSMAN ALI MANSOUR Greater Nile Petroleum Operating Company Limited, Sudan
LIFE EXTENSION PROJECT FOR 132KV AREVA GIS IN CLP POWER	Y L To, Tommy M K Hoi CLP Power Hong Kong Ltd (Hong Kong SAR)  Dirk Albrecht Areva T & D, Germany
THE FAULT DISTURBANCE RECORDER - AN INDISPENSABLE OPERATING AID FOR CONTROL ROOM OPERATORS	Noor Azlan Hamzah*  Control Operations Department Tenaga Nasional Berhad, Malaysia
A PRICE GUIDELINE FOR GENERATION EXPANSION PLANNING IN COMPETITIVE ELECTRICITY MARKETS	Mohsen Parsa Moghaddam*, Mohammad Kazem Sheikh-El-Eslami, Tarbiat Modares University I.R.IRAN
MANAGING NETWORK SECURITY THROUGH SOFTWARE UTILISATION AND DISPLAY ENHANCEMENT: TNB EXPERIENCE	TAJUL ARIFIN SULAIMAN * TENAGA NASIONAL BERHAD, Malaysia
SMART SUBSTATION TECHNOLOGY	L BOROWSKI* & J GABB Powerlink Queensland, Australia

<p>INTELLIGENT SUBSTATION INTERROGATION SYSTEM USING WEB- BASED TECHNOLOGY</p>	<p>Nik Sofizan Nik Yusuf * Senior Engineer, Engineering (Secondary) Asset Development Department Tenaga Nasional Berhad</p> <p>Zainoren Shukri Deputy Chief Engineer, Engineering (Secondary) Asset Development Department Tenaga Nasional Berhad</p> <p>Zihanz Alymann bin Kamarulzaman Project Manager TNB Engineering Corporation Sdn. Bhd.</p> <p>Mohd Rosdi Mohamed Zin Chief Engineer Atien Industries Sdn. Bhd.</p>
<p>Wide Area Protection And Emergency Control</p>	<p>Daniel Karlsson, Magnus Akke, Sture Lindahl, Åke Lindevall ABB Automation Sweden</p>
<p>AN ADAPTIVE OPTIMAL PROTECTION OF A DISTRIBUTION SYSTEM USING MULTI-AGENT SYSTEM</p>	<p>B.W. Min* K.H. Jung M.S. Choi S.H. Hyun S.J. Lee S.H. Kang Next-Generation Power System Technology Center, Korea</p>
<p>An ANN Based Approach to Improve the Speed of Discrete Fourier Transform (FCDFT) Based Distance Relaying Algorithm</p>	<p>Abdelsalam Omar, GECOL, Benghazi- Libya</p>