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Session 5: PS1 — Power Systems 1: Use of PV Systems

13:30-15:15, Monday 23rd October 2017, Room 7

- 5.1
PAGE 1 **How Have We Progressed in Our Photovoltaic Power Technologies for Telecommunications Energy into Today's Mega-Solar Deployment?**
Yousuke Nozaki, Oda Kazuhiko, Kensuke Murai, Keiichiro Hakuta, Yuji Kawagoe, NTT FACILITIES, Japan
- 5.2
PAGE 8 **When Can We Afford to Deploy Solar for On-Grid Solutions in Telecom?**
David Wilson, Vertiv, Sweden
- 5.3
PAGE 16 **Demonstration of a Highly Land-Area-Efficient Solar Array Structure**
Keiichiro Hakuta, Kensuke Murai, Shunsuke Ihara, Yousuke Nozaki, NTT FACILITIES, Japan
- 5.4
PAGE 20 **Photovoltaic Solar Systems for Smart Bus Shelters in the Urban Environment of Turin (Italy)**
G. Mutani, A. Vodano, M. Pastorelli, Politecnico di Torino, Italy
-

Session 8: PS2 — Power Systems 2: Power Systems for Data Centres

15:45-17:15, Monday 23rd October 2017, Room 7

- 8.1
PAGE 26 **Comparative Analysis on Different Architectures of Power Supply System for Data Center and Telecom Center**
Shuguang Qi¹, Wenbo Sun², Yapan Wu¹
¹CAICT, China; ²China Telecom, China
- 8.2
PAGE 30 **Application of Eco Mode UPS in Data Center**
Xiyu Liu, Da Teng, Diankui Wang, Qingfeng Zhu, Zhenghai Liu, CITC, China
- 8.3
PAGE 35 **Customer's 110kV Power Substations in the Large Data Centers**
Yingjie Yang¹, Da Teng¹, Chang Cheng²
¹CITC, China; ²State Grid Henan Electric Power, China
-

Session 13: PS3 — Power Systems 3: Power Back-up

08:45-10:00, Tuesday 24th October 2017, Room 7

- 13.1
PAGE 39 **Electrical Backup Requirement for Critical Telecommunication Systems — Telekom Malaysia Approach**
Fakhrulrazi bin Mahtar, Telekom Malaysia Berhad, Malaysia
- 13.2
PAGE 43 **Loading Rate Optimization of Hybrid Power Supply System in Self-Adaptive Dual-Generator Parallel Operation**
Yun Wang, Fujian Feng, ZTE, China
- 13.3
PAGE 47 **Innovative Fuel Cell Deployment in Telstra's Network and Key Learnings from the Field**
Louise Stroyov, Sophiya Patel, Rafiq Ali, Telstra, Australia
-

Session 18: PS5 — Power Systems 5: Equipment Cooling I

08:45-10:00, Wednesday 25th October 2017, Room 5

- 18.1
PAGE 54 **Displacement Free Cooling for Telecommunication Base Stations**
Ehsan Bitaraf Haghighi, Northvolt, Sweden
- 18.2
PAGE 59 **Comparison of ICT Equipment Air-Intake Temperatures Between Cold Aisle Containment and Hot Aisle Containment in Datacenters**
Akihiro Tsuda, Yosuke Mino, Shun Nishimura, NTT FACILITIES, Japan
- 18.3
PAGE 66 **Trial and Application of Direct Evaporative Cooling at Telstra's Information and Communication Technology Centres**
Ben de Jonge, Telstra, Australia

Session 24: PS7 — Power Systems 7: Equipment Cooling II

13:30-15:15, Wednesday 25th October 2017, Room 5

- 24.1
PAGE 71 **The Development Trend of Power System for ICT Equipment**
Mingming Liu, Xianhong Hu, ZTE, China
- 24.2
PAGE 76 **Research of Power Supply and Cooling Mode for Node Room Under 5G Network Architecture**
Zhen Wang, Jianfeng Huang, China Mobile, China
- 24.3
PAGE 80 **Free Cooling and Indoor Humidity Level in Telecommunication Base Stations**
Ehsan Bitaraf Haghighi, Northvolt, Sweden
- 24.4
PAGE 85 **Passive Cooling and Thermal Management in Data Centers**
Chayan Nadjahi¹, Hasna Louahlia¹, Alberto Conte², Stéphane Le Masson³
¹LUSAC (EA 4253), France; ²Alcatel-Lucent Bell Labs, France; ³Orange Labs, France
-

Session 25: PS8 — Power Systems 8: System Reliability & Resilience I

13:30-15:15, Wednesday 25th October 2017, Room 6

- 25.1
PAGE 91 **Reliability Analysis and Calculation for the Most Common Modular UPS System Architectures**
Leo Saro¹, Clemente Zanettin¹, Vinko Božič²
¹Socomec, Italy; ²Socomec, Slovenia
- 25.2
PAGE 99 **Generalized Integrated Framework for Modelling Communications and Electric Power Infrastructure Resilience**
Alexis Kwasinski, Vaidyanathan Krishnamurthy, University of Pittsburgh, USA
- 25.3
PAGE 107 **Robust PV System Against Disasters for Green Base Station**
M. Nakamura, K. Kimura, K. Takeno, NTT DOCOMO, Japan
-

Session 29: PS10 — Power Systems 10: Evaluation & Defects

15:45-17:15, Wednesday 25th October 2017, Room 6

- 29.1
PAGE 113 **Basic Evaluation for the DC Circuit Breaker Using Power Semiconductor with Fault Current Limiting Feature**
Masaaki Komatsu, NIT Koshiro College, Japan
- 29.2
PAGE 121 **Method for Detection of Lot Defects for Maintenance of ICT Power Supplies and Air Conditioning Equipment and Verification Results**
Hiroki Hayasaka¹, Kaisei Kanetani¹, Sohei Nakashima¹, Masahiro Yamazaki¹, Tadatoshi Babasaki¹, Risshi Kondo², Masami Amano²
¹NTT FACILITIES, Japan; ²NTT DATA, Japan
- 29.3
PAGE 127 **Classification of Causes of Broken Solar Panels in Solar Power Plant**
Yuji Higuchi, Tadatoshi Babasaki, NTT FACILITIES, Japan
-

Session 30: PS11 — Power Systems 11: Grounding Design & Protection

15:45-17:15, Wednesday 25th October 2017, Room 7

- 30.1
PAGE 133 **Mesh Bonded vs Isolated Bonded Earthing Network for Indoor Grounding**
Rohit Narayan, ERICO PENTAIR, Australia
- 30.2
PAGE 139 **A Study on Measurement Method for Transient Current from Lighting Equipment with Considering the Dependence on Test Sites**
Naomichi Nakamura, Farhan Mahmood, Ken Okamoto, Yuichiro Okugawa, Yoshiharu Akiyama, NTT, Japan
- 30.3
PAGE 142 **Key Technology Research on 5G Mobile Communications Power System**
Pengchao Wang, Mingming Liu, Zhirong Cheng, Yundong Yang, Shaomin Zhang, ZTE, China

Session 35: PS13 — Power Systems 13: System Reliability & Resilience II

08:45–10:00, Thursday 26th October 2017, Room 8

- 35.1
PAGE 149 **Estimating Reliability of a Telecommunications Energy Network**
Frank Bodi, Visionstream, Australia
- 35.2
PAGE 156 **Solar Tracker Effectiveness: It's All About Availability**
Jon G. Elerath, Reliability Consultant, USA
- 35.3
PAGE 163 **Multi-Node Power Supply Resiliency of Communication Networks During Extreme Events**
Vaidyanathan Krishnamurthy, Alexis Kwasinski, University of Pittsburgh, USA
-

Session 36: PS14 — Power Systems 14: Remote-line Powering II

10:30–12:00, Thursday 26th October 2017, Room 5

- 36.1
PAGE 171 **Remote Powering the Cellular Infrastructure at the RIO 2016 Olympic Games**
Satheesh Hariharan, Glenn Lumanog, José Carlos Santana, Iain Selkirk, Alpha Technologies, Canada
- 36.2
PAGE 177 **Best Practices Guide for Remote Line Power**
Kevin Borders¹, Grant Clark², Satheesh Hariharan², Tony Wilson¹
¹Alpha Technologies, USA; ²Alpha Technologies, Canada
- 36.3
PAGE 183 **Remote Line Powering Networks — Emerging Applications and Standards for RFT-V**
Andrew J. Dickson¹, Victor Goncalves¹, Piet de Beer²
¹Alpha Technologies, Canada; ²Alpha Technologies, Australia
-

Session 37: PS15 — Power Systems 15: 380V Deployments

10:30–12:00, Thursday 26th October 2017, Room 6

- 37.1
PAGE 189 **Energy-Saving Effects by Using 380VDC Power Supply System Interconnected with a Solar Power Generation System in Texas**
Yoshiteru Yoshida¹, Toshihiro Hayashi¹, Hirotaka Kusabe¹, Toshiyuki Kyunai¹, Kenichi Usui¹, Hiroya Yajima¹, Keiichi Hirose¹, Tadahito Aoki², Dan Stanzione³
¹NTT FACILITIES, Japan; ²NTT FACILITIES ENGINEERING, Japan; ³University of Texas at Austin, USA
- 37.2
PAGE 196 **Telecom Operator's to Accelerate the Migration Towards 400 Volt Direct Current: Efficient Powering for Telecom/ICT Equipment and Coupling Sites to Smart Energy Microgrids**
Didier Marquet¹, Olivier Foucault¹, Jean-Marc Pichon¹, Claudio Bianco², Keiichi Hirose³, Richard Hockley⁴
¹Orange Labs, France; ²Telecom Italia, Italy; ³NTT FACILITIES, Japan; ⁴British Telecom, UK
- 37.3
PAGE 204 **Deploying 'HVDC' in Existing Network Exchanges: Practical and Financial Benefits for Telecommunications Carriers**
Marcus Yong, David Bettel, Telstra, Australia
-

Session 41: PS17 — Power Systems 17: Innovative Ideas

13:30-15:15, Thursday 26th October 2017, Room 6

- 41.1
PAGE 208 **Feasibility Study on Using Pipe Type Cables and Co-Axial Cables for HFAC Power Distribution in Data Centre Applications**
W. Anand Fernando¹, Dylan Dah-Chuan Lu²
¹University of Sydney, Australia; ²University of Technology Sydney, Australia
- 41.2
PAGE 215 **Control Methods for Power Storage Devices in Distributed Power System**
Daiki Owaki¹, Kazuto Yukita¹, Toshiro Mastumura¹, Yasuyuki Goto¹, Kazuhiko Taniguchi², Hiroshi Morita², Masatoshi Noritake³, Keiichi Hirose³, Hiroaki Miyoshi⁴
¹Aichi Institute of Technology, Japan; ²Kinden, Japan; ³NTT FACILITIES, Japan; ⁴SANYO DENKI, Japan
- 41.3
PAGE 220 **Optimization-Algorithm Addressing Voltage and Power Quality in Distributed Grid Control Systems**
Norbert Grass, Anja Woelfel, Technische Hochschule Nürnberg, Germany
- 41.4
PAGE 223 **Usage of Telecommunication Base Station Batteries in Demand Response for Frequency Containment Disturbance Reserve: Motivation, Background and Pilot Results**
Ilari Alaperä, Pekka Manner, Johan Salmelin, Heli Antila, Fortum Power and Heat, Finland

Session 42: PS18 — Power Systems 18: Smart Buildings

13:30-15:15, Thursday 26th October 2017, Room 7

- 42.1
PAGE 229 **Air Conditioning Equipment Using DC Power Supply System**
Kazuto Yukita¹, Tadashi Hosoe¹, Shunsuke Horie¹, Toshiro Matsumura¹, Masayoshi Hamanaka¹, Keiichi Hirose², Masatoshi Noritake²
¹Aichi Institute of Technology, Japan; ²NTT FACILITIES, Japan
- 42.2
PAGE 233 **Nearly Zero Energy Buildings: Analysis on Monitoring Energy Consumptions for Residential Buildings in Piedmont Region (IT)**
G. Mutani¹, F. Pascali¹, M. Martino¹, G. Nuvoli²
¹Politecnico di Torino, Italy; ²Regione Piemonte, Italy
- 42.3
PAGE 241 **Demand Response Using Air Conditioner**
Masayoshi Hamanaka¹, Shunsuke Horie¹, Daiki Owaki¹, Kenshu Nimi¹, Kazuto Yukita¹, Toshiro Matsumura¹, Yasuyuki Goto¹, Keiichi Hirose²
¹Aichi Institute of Technology, Japan; ²NTT FACILITIES, Japan
- 42.4
PAGE 245 **Modeling Hourly Profile of Space Heating Energy Consumption for Residential Buildings**
G. Mutani, F. Giaccardi, M. Martino, M. Pastorelli, Politecnico di Torino, Italy

Session 3: ES2 — Energy Storage 2: Battery Technology I

13:30–15:15, Monday 23rd October 2017, Room 5

- 3.1
PAGE 254 **A Review of the Suitability of Lithium Battery Technology in ICT Energy Infrastructure**
Ole K. Vigerstol, ICT Power Consultant, USA
- 3.2
PAGE 262 **Demonstration Project of Power System Stabilization with the Hybrid Battery Energy Storage System**
Sano Shinichi, Ichiro Shimoura, Hitachi Chemical, Japan
- 3.3
PAGE 270 **Pure Lead Carbon Technology Development: PLH+C Development for PSoC Cycling and Fast Charging**
Shawn M. Peng¹, Fang Yuan²
¹Leoch Battery, USA; ²Leoch International Technology, China
-

Session 11: ES4 — Energy Storage 4: Battery Technology II

08:45–10:00, Tuesday 24th October 2017, Room 5

- 11.1
PAGE 278 **Estimation of the Dynamic Leakage Current of a Supercapacitor in Energy Harvesting Powered Autonomous Wireless Sensor Nodes**
Xicai Yue¹, Janice Kiely¹, Abdul Farooq¹, Alan Champneys²
¹UWE Bristol, UK; ²University of Bristol, UK
- 11.2
PAGE 282 **A Restricting Condition on Transient Behavior of Redox Flow Battery in Phase Space**
Toko Mannari, Takashi Hikihara, Kyoto University, Japan
- 11.3
PAGE 287 **Adaptive Battery Steering and Management System for the Optimized Operation of Stationary Battery Energy Storage Systems in Multi-Use Applications**
Julia Badeda¹, Monika Kwiecien², Dominik Schulte¹, Timo Rüwald¹, Dirk Uwe Sauer²
¹BatterieIngenieure, Germany; ²RWTH Aachen University, Germany
-

Session 19: ES5 — Energy Storage 5: Management & Adaptability

08:45–10:00, Wednesday 25th October 2017, Room 6

- 19.1
PAGE 294 **Improving Energy Self-Consumption Rate by Using Weather Forecasts in Renewable Energy System for Back-Up Power Supply**
Miki Ueshima, Kazufumi Yuasa, Tadatoshi Babasaki, NTT FACILITIES, Japan
- 19.2
PAGE 300 **An Innovative Hybrid Battery Management System for Telecom**
Yuanhua Huang, ZTE, China
- 19.3
PAGE 303 **Flow Battery Versatility: Adapting the Battery to the Specific Application**
Mike Giuliani¹, Mio Dart²
¹Redflow, Australia; ²Redflow, USA
-

Session 33: ES6 — Energy Storage 6: Battery Systems

08:45–10:00, Thursday 26th October 2017, Room 6

- 33.1
PAGE 307 **Cutting Edge Central Office Energy Storage Solutions**
Jay Frankhouser, Enersys, USA
- 33.2
PAGE 311 **An Innovative Lithium-Ion Battery and Lead-Acid Battery Hybrid Solution for Telecom in Frequent Grid Off Region**
Yuanhua Huang, ZTE, China
- 33.3
PAGE 314 **Planning, Building, Efficiency Measurement and Determination of Forecast Data of a Grid-Scale Hybrid 5MW/5MWh Battery Storage System**
Jeanette Muenderlein, Marc Steinhoff, Hendrik Axelsen, Dirk Uwe Sauer, RWTH Aachen University, Germany

Session 4: PE1 — Power Electronics 1: Protection for 380V Systems

13:30-15:15, Monday 23rd October 2017, Room 6

- 4.1
N/A **DC Power Distribution Systems and 400V DC Applications**
Richard Mehl, E-T-A, Germany
- 4.2
PAGE 327 **Safety Considerations for the Operation of Bipolar DC-Grids**
*Julian Kaiser¹, Kilian Gosses¹, Leopold Ott¹, Yunchao Han¹, Bernd Wunder¹,
Martin März¹, Franz Schork², Klaus Bühler², Thomas Böhm²*
¹Fraunhofer IISB, Germany; ²DEHN + SÖHNE, Germany
- 4.3
PAGE 335 **Droop Controlled Cognitive Power Electronics for DC Microgrids**
*Bernd Wunder¹, Leopold Ott¹, Julian Kaiser¹, Kilian Gosses¹, Matthias Schulz¹,
Fabian Fersterra¹, Martin März², Melanie Lavery², Yunchao Han²*
¹Fraunhofer IISB, Germany; ²FAU Erlangen-Nürnberg, Germany
- 4.4
PAGE 343 **Development of Appliance Coupler for LVDC in Information Communication
Technology (ICT) Equipment with Having a Protection of Inrush Current and Arc**
Koichi Kiryu¹, Tetsugaku Tanaka¹, Koki Sato¹, Kyohei Seki¹, Keiichi Hirose²
¹Fujitsu Component, Japan; ²NTT FACILITIES, Japan

Session 20: PE3 — Power Electronics 3: Components & Control

08:45-10:00, Wednesday 25th October 2017, Room 7

- 20.1
PAGE 347 **An Analysis of False Turn-On Phenomenon of GaN HEMT with Parasitic
Components**
Toshihiro Iwaki¹, Seiya Ishiwaki¹, Takashi Sawada², Masayoshi Yamamoto²
¹Shimane University, Japan; ²Nagoya University, Japan
- 20.2
PAGE 351 **Model-Based Development of High-Current-Density Point-of-Load Converter of
High Performance FPGA for Telecommunication Application**
*Yu Yonezawa¹, Hiroshi Nakao¹, Yoshiyasu Nakashima¹, Ananda Vithanage²,
Tomohiro Kanehira², Yasunori Ueno²*
¹Fujitsu Laboratories, Japan; ²FDK, Japan
- 20.3
PAGE 357 **A Comparative Study of Two Current-Control Techniques Applied to a
Three-Phase Three-Level Active Power Filter**
*Muhammad Kashif, M.J. Hossain, Yuba Raj Kafle, Md. Shamiur Rahman, Macquarie
University, Australia*

Session 26: PE4 — Power Electronics 4: Wireless Transfer & Battery Systems

13:30-15:15, Wednesday 25th October 2017, Room 7

- 26.1
PAGE 363 **Simple Self-Driven Synchronous Rectifier for Resonant Inductive Coupling
Wireless Power Transfer**
*Takahiro Koyama, Toru Honjo, Masataka Ishihara, Kazuhiro Umetani, Eiji Hiraki,
Okayama University, Japan*
- 26.2
PAGE 369 **Implementation and Evaluation of Pre- and Post-Regulation Control with Class-E²
Wireless Power Transfer System**
Yuta Ozawa, Hiroo Sekiya, Chiba University, Japan
- 26.3
PAGE 376 **Reduction in the Number of Gate Drive Power Converters for a Cell Voltage
Equalizer Using an LC Series Circuit**
*Daiki Satou, Nobukazu Hoshi, Kosuke Uchida, Ryosuke Ota, Tokyo University of
Science, Japan*
- 26.4
PAGE 381 **A Flyback Converter Based Partial Power Processing Structure for BESS with
Voltage/Current Regulation and Battery Balancing Functionalities**
Jian Qi¹, Dylan Dah-Chuan Lu²
¹University of Sydney, Australia; ²University of Technology Sydney, Australia

Session 34: PE5 — Power Electronics 5: Noise & Disturbance

08:45-10:00, Thursday 26th October 2017, Room 7

- 34.1
PAGE 387 **Research on Input Conducted Emission for Rectifier with High Efficiency and High
Power Density**
*Zhirong Cheng, Mingming Liu, Pengchao Wang, Shaomin Zhang, Yundong Yang, ZTE,
China*
- 34.2
PAGE 393 **Features Extraction of Conducted Disturbance Below 150kHz from Rectifier for
ICT Equipment**
Farhan Mahmood, Ken Okamoto, Yuichiro Okugawa, Yoshiharu Akiyama, NTT, Japan
- 34.3
PAGE 396 **Conducted Noise Prediction for Zero-Crossing Issue in Totem-Pole Bridgeless PFC
Converter**
*Baihua Zhang¹, Qiang Lin¹, Jun Imaoka¹, Masahito Shoyama¹, Satoshi Tomioka²,
Eiji Takegami²*
¹Kyushu University, Japan; ²TDK-Lambda, Japan

Session 7: CV1 — Converters 1: AC-DC Converters

15:45–17:15, Monday 23rd October 2017, Room 6

- 7.1
PAGE 402 **State of the Art Low Power AC-DC Single-Stage Converters**
Yuntong Li, Gerry Moschopoulos, Western University, Canada
- 7.2
PAGE 410 **Coupled Inductor Based Single-Phase Bridgeless PFC Boost Rectifier with Auxiliary Circuit Assisted ZVS**
Debjani Chakraborty¹, Pritam Das², Dipti Srinivasan¹
¹National University of Singapore, Singapore; ²SUNY Binghamton, USA
- 7.3
PAGE 417 **Analysis and Design of AC-DC Resonant Single-Stage Converter with Reduced DC Bus Voltage Variation**
Javad Khodabakhsh, Prashanth Prabhu, Gerry Moschopoulos, Western University, Canada
-

Session 12: CV2 — Converters 2: DC-DC Converters I

08:45–10:00, Tuesday 24th October 2017, Room 6

- 12.1
PAGE 425 **A Comparative Study of DC-DC Flyback Converters for Telecom Applications**
Adel Alganidi, Adel Ali Abosnina, Gerry Moschopoulos, Western University, Canada
- 12.2
PAGE 432 **Design Optimization of a High Step-Up DC-DC Converter for Photovoltaic Microinverters**
Lenon Schmitz¹, Gustavo C. Knabben¹, Denizar C. Martins¹, Roberto F. Coelho¹, Odair J. Custodio², Renato Z. de Medeiros³, Alexandre L. Ferreira³
¹Universidade Federal de Santa Catarina, Brazil; ²Inergiae Conversores Estáticos, Brazil; ³Empresa de Luz e Força Santa Maria, Brazil
- 12.3
PAGE 438 **Three Level NPC Dual Active Bridge Capacitor Voltage Balancing Switching Modulation**
Jun-young Lee, Hyunjun Choi, Jee-hoon Jung, UNIST, Korea
-

Session 21: CV3 — Converters 3: Inverters

08:45–10:00, Wednesday 25th October 2017, Room 8

- 21.1
PAGE 444 **Reducing Losses in the Shoot-Through State of a Single-Phase Quasi-Z-Source Inverter**
Carlos R. Baier¹, Claudio Flores¹, Manuel A. Diaz¹, Miguel A. Torres², Josep Pou³, Pedro Melín⁴, Eduardo Espinosa⁵
¹Universidad de Talca, Chile; ²Universidad de O'Higgins, Chile; ³Nanyang Technological University, Singapore; ⁴Universidad del Bío-Bío, Chile; ⁵Universidad Católica de la Santísima Concepción, Chile
- 21.2
PAGE 450 **An Improved Model Predictive Controller for Highly Reliable Grid Connected Photovoltaic Multilevel Inverters**
Mokhtar Aly¹, Emad M. Ahmed², Masahito Shoyama¹
¹Kyushu University, Japan; ²Aswan University, Egypt
- 21.3
PAGE 456 **Multi-Level Topology Evaluation for Ultra-Efficient Three-Phase Inverters**
J. Azurza Anderson, L. Schrittwieser, M. Leibl, J.W. Kolar, ETH Zürich, Switzerland

Session 31: CV4 — Converters 4: DC-DC Converters II

15:45–17:15, Wednesday 25th October 2017, Room 8

- 31.1
PAGE 464 **A Novel Three-Phase DC-DC PWM Isolated Boost Converter**
Adel Ali Abosnina, Gerry Moschopoulos, Western University, Canada
- 31.2
N/A **A Two-Loop PI Control of DC-DC Boost Converter with Intelligent State Observer**
Zekiye Erdem, Mohamed Z. Youssef, UOIT, Canada
- 31.3
PAGE 476 **A Bidirectional Flyback Converter with Cross-Coupled Non-Dissipative Snubber Circuits**
Nurhakimah M. Mukhtar¹, Dylan Dah-Chuan Lu²
¹University of Sydney, Australia; ²University of Technology Sydney, Australia
-

Session 38: CV5 — Converters 5: DC-DC Converters III

10:30–12:00, Thursday 26th October 2017, Room 7

- 38.1
PAGE 482 **Winding Concepts for High Frequency Inductors with Reduced DC Resistance**
Sven Bolte, Jehan Khan Afridi, Joachim Böcker, Universität Paderborn, Germany
- 38.2
PAGE 487 **A High Gain DC-DC Full-Bridge Converter with Integrated Passive Snubber Network**
Prashanth Prabhu, Javad Khodabakhsh, Mona Abo El Dahb, Gerry Moschopoulos, Western University, Canada
- 38.3
PAGE 494 **A New PWM Shoot-Through Control for Voltage-Fed Quasi-Z-Source DC/DC Converters**
Yuba Raj Kafle, Saad Ul Hasan, Muhammad Kashif, Jahangir Hossain, Graham E. Town, Macquarie University, Australia
-

Posters 1 & 2

10:30–11:30/12:00, Tuesday and Wednesday 24–25th October 2017, Central Room A

- P1
N/A **Analysis and Implementation of an Advanced EPP-MPPT Control Technique in Solar-Based Water Pump Applications**
Ahmed S. Abdelrahman, Mahmoud Eid, Ying Wang, Mohamed Z. Youssef, UOIT, Canada
- P2
PAGE 506 **A Novel LLC Resonant DC-DC Converter with Integrated Transformer**
Shota Kimura¹, Kimihiro Nanamori¹, Mostafa Noah¹, Masayoshi Yamamoto²
¹Shimane University, Japan; ²Nagoya University, Japan
- P3
PAGE 511 **A Penny Saved is a Penny Earned: Methods of Energy Transformation to Reduce OPEX for Remote Area**
Weibo Li, Junning Fan, Yong Xiong, Qian Zhang, Mingming Liu, Xianhong Hu, ZTE, China
- P4
PAGE 515 **Research on the Operating Mode of the Power Supply for a Telecom Base Station Based on the Peak & Valley Model of the Power Grid**
Shaomin Zhang, Pengchao Wang, Mingming Liu, Zhirong Cheng, ZTE, China
- P5
PAGE 521 **A Study on Close-Loop Control of Manipulator by Power Packet Density Modulation**
Shiu Mochiyama¹, Takashi Hikihara¹, Ryo Takahashi²
¹Kyoto University, Japan; ²Aichi University of Technology, Japan
- P6
PAGE 526 **Analytical Investigation of Interleaved DC-DC Converter Using Closed-Coupled Inductor with Phase Drive Control**
Daigoro Ebisumoto¹, Shota Kimura¹, Kimihiro Nanamori¹, Mostafa Noah¹, Masataka Ishihara², Jun Imaoka³, Masayoshi Yamamoto⁴
¹Shimane University, Japan; ²Okayama University, Japan; ³Kyushu University, Japan; ⁴Nagoya University, Japan

INTELEC 2017 Table of Contents

| | |
|-----------------|--|
| P7 PAGE 530 | Boost Full Bridge DC-DC Converter Ensuring Safe Installation of PV Energy in Data Center Power Management Systems <i>Satoshi Ikeda¹, Fujio Kurokawa²</i> ¹ Panasonic Eco Solutions, Japan; ² NiAS, Japan |
| P8 PAGE 535 | DC-DC Converter Based on Voltage Dividing Class E Amplifier <i>Katsutoshi Hirayama¹, Tadashi Suetsugu², Fujio Kurokawa³</i> ¹ Nagasaki University, Japan; ² Fukuoka University, Japan; ³ NiAS, Japan |
| P9 N/A | A Compact & Cost Effective Solar Harvesting Modular Wireless Sensor Node with Innovative Energy Management System: Design & Implementation <i>J. Henry, D. Qendri, R. Lang, Mohamed Z. Youssef, V. Sood, UOIT, Canada</i> |
| P10 PAGE 549 | Design Consideration of Efficiency Improvement in Three Phase Dual Active Bridge Converter for LVDC Application <i>Hyunjun Choi¹, Jun-young Lee¹, Young-pyo Cho², Jee-hoon Jung¹</i> ¹ UNIST, Korea; ² KEPCO, Korea |
| P11 PAGE 556 | Distributed Control Scheme for a 5-Level Modular Multilevel STATCOM <i>Stephan C. Adams, Mark A.H. Broadmeadow, Geoffrey R. Walker, Gerard F. Ledwich, Queensland University of Technology, Australia</i> |
| P12 PAGE 562 | Experimental Verification of Suppressing Power Fluctuation in Photovoltaic Generation System Using Water Electrolyzer <i>Akiko Takahashi, Jun Imai, Shigeyuki Funabiki, Okayama University, Japan</i> |
| P13 PAGE 566 | High-Efficiency Voltage Sag Protector with Low Ground Leakage Current <i>Min-Kwon Yang, Woo-Young Choi, Chonbuk National University, Korea</i> |

INTELEC 2017 Table of Contents

| | |
|-----------------|--|
| P14 PAGE 570 | Innovative Energy Management to Utilize Energy Efficient Solutions in the ICT Infrastructure <i>Robert Wikström, Vertiv, Sweden</i> |
| P15 PAGE 574 | Lifetime Prognostics of Hybrid Backup Power System: State-of-the-Art <i>Simon Dyhr Sønderkov, Maciej Jozef Swierczynski, Stig Munk-Nielsen, Aalborg University, Denmark</i> |
| P16 N/A | Optimal Placement of VIT Automation Switches Considering Distribution Generation (DG) <i>Hamid Sharifian, Javad Mahmoodi, Alireza Saboori Keyvanlo, NKEDC, Iran</i> |
| P17 PAGE 589 | Oscillation Condition Analysis of a VHF Self-Oscillating Gate Driver Based on a Φ_2 Resonant Inverter <i>Takuya Mizushima¹, Naoyuki Ishibashi¹, Kento Goto¹, Masahiko Hirokawa², Akihiko Katsuki¹</i> ¹ Nagasaki University, Japan; ² TDK, Japan |
| P18 PAGE 595 | Proportional and Integral Gain Changeable Control DC-DC Converter for Improvement of Dynamic Performance <i>Kazuhiro Kajiwaru¹, Yudai Furukawa², Nobumasa Matsui¹, Fujio Kurokawa¹</i> ¹ NiAS, Japan; ² Nagasaki University, Japan |
| P19 PAGE 599 | A Consideration on Current Noise Measurement in Distributed Power Supply Introduction System <i>Shunsuke Horie¹, Toshiro Matsumura¹, Keiichi Hirose², Kazuto Yukita¹, Yasuyuki Goto¹, Hiroaki Miyoshi³</i> ¹ Aichi Institute of Technology, Japan; ² NTT FACILITIES, Japan; ³ SANYO DENKI, Japan |

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| P20 PAGE 604 | Study on Data Center Optimal Management by Utilizing Data Center Infrastructure Management <i>Kosuke Sasakura, Takeshi Aoki, Takeshi Watanabe, NTT FACILITIES, Japan</i> |
| P21 PAGE 609 | Transient Response Improvement of Digitally Controlled DC-DC Converter with Feedforward Compensation <i>Kosuke Sato¹, Toshiro Sato², Makoto Sonehara²</i> <i>¹Nagano Prefecture General Industrial Technology Center, Japan; ²Shinshu University, Japan</i> |
| P22 PAGE 615 | EV Charging Station at University Campus <i>M. Caruso¹, P. Livreri¹, R. Miceli¹, Fabio Viola¹, M. Martino²</i> <i>¹Università di Palermo, Italy; ²Politecnico di Torino, Italy</i> |
| P23 PAGE 624 | Photovoltaic Facade: Comparison of Actual Technologies <i>M. Caruso¹, R. Miceli¹, P. Livreri¹, F.M. Raimondi¹, P. Romano¹, Fabio Viola¹, M. Martino², M. Pastorelli²</i> <i>¹Università di Palermo, Italy; ²Politecnico di Torino, Italy</i> |

Session 9: CPE1 — Commercial Product Exposure 1

15:45–17:15, Monday 23rd October 2017, Room 8

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| 9.1 | Can We Propose a 3N Electrical Infrastructure at a Lower Cost Than Tier 4? — Introducing Power Fusion, A Revolution in Powering Data Centres <i>Wald Kerschot, CE+T Power, Malaysia</i> |
| 9.2 | Air Conditioner and Fan Hybrid Control for Outdoor Integrated Power Supply System <i>Yuanhua Huang, ZTE, China</i> |

Session 14: CPE2 — Commercial Product Exposure 2

08:45–10:00, Tuesday 24th October 2017, Room 8

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| 14.1 | An Innovative Mixed-Use Technology of Battery <i>Weibo Li, Xianhong Hu, Mingming Liu, Qian Zhang, Yong Xiong, Junning Fan, ZTE, China</i> |
| 14.2 | Applying the Internet of Things (IoT) to the Telecom Power Ecosystem <i>Victor Goncalves, Rahul Baliga, Frank VanHooft, Bill Killion, Brent McDonald, Alpha Technologies, Canada</i> |
| 14.3 | The Modernization of the Traditional Site — Make it Site Smart: The VHA Case <i>Bob Davis, Vodafone, Australia</i> |

Session 27: CPE3 — Commercial Product Exposure 3

13:30-15:15, Wednesday 25th October 2017, Room 8

- 27.1 **Addressing Persistent Pain Points of Hybrid Deployments**
Murray Wyma, Enatel Energy, New Zealand
 - 27.2 **DC Energy Metering for Managing Telecom Network Power Usage**
Darren Salter, Eaton Industries, Australia
 - 27.3 **A Big Data Management Diagnosis System of Batteries Based on Cloud Platform**
Shihui Huang¹, Zhongliang Yang², Rugang Wang¹
¹Shenzhen Pluke Intelligent Test Equipment, China; ²Shenzhen Power Supply, China
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Session 39: CPE4 — Commercial Product Exposure 4

10:30-12:00, Thursday 26th October 2017, Room 8

- 39.1 **New Type of Surge Reduction Filters for Remote Cabinets and Enclosures**
Philip Jones, Rohit Narayan, ERICO PENTAIR, Australia
- 39.2 **Electronic Distributions in Small Telecom DC Systems to Simplify Deployment and Reduce Total Cost of Ownership**
Richard Moore, Eaton, UK
- 39.3 **Energy Storage: Multipurpose Energy Storage Installations for Dual UPS and Variability Management Tasks**
John Wood, Ecoult, Australia