

Poster Session Assignments and Locations

B5-PROTECTION AND AUTOMATION

DATE

July 2nd (Wed)

[1st Session 14:00~15:30](#)

[2nd Session 16:00~17:30](#)

VENUE

Room 1004, 1005

PS1 - IEC 61850 based Interoperability of IEDs of different manufacturers and technologies integrated in one PACS

The order of the poster session is as follows:

posterID	Session	Title	Author (Presenting author)	Location
1100	2nd Session	IEC 61850-based off-site engineering and validation methodology for protection, automation, and control systems	Silva Melo, André Felipe; Ribeiro, Uire; Granadino, Alessandro; Silva, Adilson; Rossero-Morillo, Veronica; GONZALEZ-LONGATT, Francisco	P1
1110	2nd Session	Itaipu experience in the evaluation of performance and interoperability of protection based on process bus	Pesente, Jonas; Vargas, Esteban; Nizer, Leonardo; Valoto, Leandro	P2
1113	1st Session	Interoperability Aspects from RTE's R#SPACE Project related to the Application of IEC 61850 Requirements	Leitloff, Volker; Merley, Maud; Dubar, Dominique; Ghafari, Christophe; Bedourian, Martial; Fontenay, David; Malosse, Romain	P3
1114	2nd Session	Standards based engineering and its impact on interoperability of IEC 61850 based protection and control systems	Apostolov, Alexander	P4
1117	1st Session	Development of Gateway for IEC 61850 Digital Substation	NISHI, Shintaro; JOZEN, Daichi; OKAHISA, Atsushi; TAKESHITA, Yosuke	P5
1120	2nd Session	Research on the improvement of operation and maintenance efficiency of relay protection based on digital design technology	LV, Hang; GONG, Xiao; DING, Jie; LI, Li	P6
1121	1st Session	Experiences in Interoperability Testing of IEDs Focusing on Time Synchronization Behavior	Junior, Paulo Sergio Pereira; Bernardino, Rodolfo Cabral; Salge, Gustavo Silva; Martins, Cristiano Moreira; Lourenço, Gustavo Espinha; Pereira, Paulo Sergio	P7
1128	2nd Session	Multivendor Interoperability Tests for Process Bus in Japan based on International Standards	KAWASAKI, Kota; DEGUCHI, Masayuki; OKAI, Makoto; ASAI, Takeshi; SHIMOFUJI, Keigo; SHIROI, Shotaro; KATAYANAGI, Yasutaka; IWAMARU, Akifumi; NAGATA, Keiichi; ISHIGAMI, Yuta	P8
1129	1st Session	Development of IEC 61850 compliant multi-functional fault recorder	SUZUKI, Reiya; ISHIKAWA, Masayuki; SHINOZAKI, Masafumi; UEDA, Junichi; INOMATA, Yoshiharu; KATAOKA, Tetsuya; YAMAMOTO, Harumi; ONISHI, Hiroyuki	P9

posterID	Session	Title	Author (Presenting author)	Location
1130	2nd Session	IEC 61850 based Interoperability : CYG SUNRI's exploration in Intelligent Substation	Luo, Laifeng; Yu, Weiguo; Li, Jin; Gao, Xiaoquan	P10
1138	2nd Session	INTEROPERABILITY TESTS IN A MULTIVENDOR PLATFORM OF BUSBAR PROTECTION USING IEC 61850 PROCESS BUS APPLIED BY CIGRE WORKING GROUP B5.74.	LELLYS, DENYS; FLORES, Pablo; Melo, Andre; Goblirsch, Rainer; Ferrero, Iñigo; Redondo, Cesar; Faramawy, Hamdy; Dierks, Alex; Toledo, Rafael; vijayaraghavan, sindhuja; aguilar, Carlos	P11
1142	2nd Session	Enhanced PACS Network with Intent-Based Networking and IEC 61850	Lisboa, Guilhermme; Haegdorens, Davy; Kehrer, Stephan	P12
1143	1st Session	IEC 61850 based Interoperability of IEDs of different manufacturers and technologies integrated in one PACS	Lisboa, Guilhermme; Normanton, Guilherme; Vasquez, Arnau; Jorge, João	P13
1146	2nd Session	Top-Down Engineering Process Application on Digital Substation Protection, Automation and Control System Deployment	Alexandrino, Mateus; Azevedo, Ana Gabriela da Silva de; Lunardi, Mateus Cruz; Higashi, Silvia Sawada Simões Costa; Pietta, Vitalcir; Ferreira, Adriano de Oliveira; Oleskowicz, Bruno Alexandre; Moraes Neto, Carlos de Souza;	P14
1149	1st Session	Best practices for IEC 61850 tools to achieve interoperability and efficiency	Harispuru, Cédric; Sanchez, Jose; Schneider, Sebastian	P15
1157	1st Session	Simplifying the configuration process for IEC61850-based systems through generative AI technology	Fernandes, Gabriel; Pires, Adriano; León, Héctor; Lemos, Heverton	P16
1159	1st Session	A proposal for standardisation of GOOSE and Sampled Value messages configuration	Kuniyoshi Pacheco, Rodrigo Kenzo; Hernandes, Romulo Augusto	P17

PS2 - PACS Life Cycle Performance and Longevity

The order of the poster session is as follows:

posterID	Session	Title	Author (Presenting author)	Location
1111	1st Session	Development of Integrated System Emergency Preventive Controller for 500kV Systems	Sato, Masami; Ito, Shu; Oeda, Yoshikazu; Yano, Genki; Endo, Takuya; Inuzuka, Naoya; Ishii, Takumi; Yamazaki, Tomohide; Yoshimoto, Saori; Yamada, Fumio	P18
1125	1st Session	Application of updating Total Measurement System using intermediate distribution frame retrofit modification	Tado, Katsuyuki	P19
1126	2nd Session	Evolution of the System Stabilization Technology Supporting the Stable Operation of the Kansai Grid	KURUSHIMA, Tomohiro; ARAMAKI, Takuo; TAKESHITA, Yosuke; JOZEN, Daichi; TAMURA, Tsubasa	P20
1127	1st Session	Status and future direction of digital relay operation and maintenance in Japan	Deguchi, Keita; Ueda, Yoshinobu; Okamura, Kenji; Sato, Ryohei; Miyagi, Takashi; Ichinose, Ken; Fukuya, Yoshifumi	P21
1131	1st Session	Unit-replacement method of Protection Relay	SHIMOFUJI, KEIGO; TAKEMOTO, YOSHITAKA; NISHIMURA, KENTARO; HYODO, KAZUYUKI	P22
1139	1st Session	Digitalization Progress and Approach for Full Digitalization of Distribution Substations in the Kansai Region of Japan	Kato, Ren; Kitamura, Haruka; Uemura, Saki; Ito, Masahiro; Itotani, Ryosuke; Yamamoto, Yuuma; Sugawara, Akinori; Taniizumi, Katsuya	P23
1144	2nd Session	Line Differential Protection over MPLS-TP: Guaranteed Reliability, Flexibility, and Longevity in PACS	Haegdorens, Davy; Sugiura, Hideaki; Lisboa, Guilhermme	P24
1155	1st Session	Life Cycle Management Overview of Protection, Automation, and Control Systems for Drilling Vessel Projects	Aviz, Carlos; Fernandes, Rafael; Dutra, Ricardo; Hafner, Angelo; Tavares, Carlos	P25
1165	1st Session	Enhancing existing line differential relay operation reliability with hitless IP/MPLS multipath redundancy	Chan, Hansen; Verhulst, Dominique	P26

PS3 - Sharing of best practices on revised principles enabled by modern protection IEDs

The order of the poster session is as follows:

posterID	Session	Title	Author (Presenting author)	Location
1107	1st Session	A Novel Short-circuit Detection Scheme for IBR-based MV(medium voltage) Microgrids	Uda, Satoshi; Kawasaki, Yoshinori; Ishikura, Sadayuki	P27
1109	1st Session	Prototype and evaluation of a new Sampling Rate Interchange-MU compliant with IEC 61850/61869	KAWAZOE, Ryuichi; KOJIMA, Kazuhiro; IWAMARU, Akifumi; SHIMZU, Tetsuro; OMORI, Tomoo; OTANI, Tetsuo; AOKI, Mutsumi	P28
1112	2nd Session	Method of single-phase grounding protection for small resistance grounding system	Li, Yuqi; Zhu, Haobin; Xu, Guangfu	P29
1115	1st Session	Cross differential protection applications in IEC 61850 based digital substations	Apostolov, Alexander	P30
1116	2nd Session	Development of a 275kV Line Differential Protection IED with Distributed and Integrated Functionality	TAMURA, Tsubasa; JOZEN, Daichi; OKAHISA, Atsushi; TAKESHITA, Yosuke; NOSE, Yotaro; MORI, Takahiro	P31
1119	1st Session	Implementing IRAS that Contributing Blackout Prevention	Yabuno, Naruhito; Izumi, Yuta; Adachi, Tomohiro; Kusaba, Kenichiro	P32
1122	2nd Session	Cybersecurity Risks and Operational Impacts on Microgrids in Grid-Connected and Isolated Modes	Carmo, Ubiratan	P33
1123	1st Session	Development of a portable transfer trip device	YAMAZAKI, NATSUMI; FUKUO, TOMOHIRO; YAMAUCHI, SEIYA; ONO, MASAYUKI	P34
1124	2nd Session	Considerations for Using IEDs as Protection Relay Devices in Japan	MIZUHARA, Satoshi; JOZEN, Daichi; TAKESHITA, Yosuke	P35
1134	2nd Session	Impact of LPITs on Protection Algorithms	Schulz, Lars Lukas; Dzienis, Cezary	P36
1135	1st Session	Development of N-1 inter-trip scheme using IP transmission	TANIGAWA, SHINJI; NAKATA, YASUYUKI; SAYAMA, HIROKI; KURUSHIMA, TOMOHIRO	P37
1137	1st Session	Automatic Supervision for Trip Circuit in Process Bus System	Okai, Makoto; Sonobe, Yasutaka; Miyoshi, Tetsuya; Lihou, Cheng; Kojima, Kazuhiro	P38
1141	1st Session	Development of Integrated Stability Control (ISC) system	TAKAMATSU, Yuki; YAMAGUCHI, Ryo; HOSHINO, Tomohiro; KUSABA, Kenichiro	P39
1145	1st Session	Double ended travelling wave fault location using unsynchronized data	Blumschein, Joerg	P40
1147	1st Session	Sensitive Turn-to-turn Fault Protection for Power Transformers Using Incremental Negative-Sequence Differential and Advanced Stabilising Criteria	Mieske, Frank; Schneider, Sebastian; Rebizant, Waldemar; Solak, Krzysztof	P41
1148	2nd Session	Best Practices for Optimizing Settings and Configuration Management of IEDs: Challenges and Applications Experiences	Hernandez, Fabio; Guerrero, Christian; Gonzalez, Laura; Caicedo, Juan M; Guerra, Gerardo; Gil, Alejandro; Agudelo, Juan P.	P42

posterID	Session	Title	Author (Presenting author)	Location
1151	1st Session	Line Differential Protection for Long-Distance Remote Assets using Passive Optical Sensing	Mckeeman, Iain; Hale, Elliot; Cadger, Fraser; Gordon, Neil; Blair, Steven	P43
1152	2nd Session	Application of the directional ground-fault protection to detect turn-to-turn faults in an optimum protection scheme for high-voltage shunt reactors	Schneider, Sebastian; Mieske, Frank; Steynberg, Gustav; Damasceno, Jorge; Solak, Krzysztof	P44
1154	2nd Session	Best maintenance practices adopted by Brazilian TSO considering modern IEDs	Fernandes, Rafael; Dutra, Ricardo; Muratore, Juliana; Aviz, Carlos	P45
1161	1st Session	Evaluation of a line protection system with a series-compensation capacitor	Kuniyoshi Pacheco, Rodrigo Kenzo; Fernandes Pinheiro, Felipe	P46
1163	1st Session	Monitoring System for the Communication Network of Protection Systems in Digital Substations	Oliveira, Denise Borges de; Alves, Tatiana Maria T. de S.; Siqueira, Iony Patriota de	P47
1164	2nd Session	Case Study of a PCMS in a Real-World Power Network	Hussein, Tarik Mehmet	P48

STUDY COMMITTEES

B5 –Protection and automation

Chair: Volker Leitloff

Secretary: Peter Bishop

POSTER CHAIR

Daichi Jozen