# PEDG 2023 Preliminary Program Overview

| 2023-06-09 | Activities | Tutorials | Venue | | | | | | | Venue |
|---|---|---|---|---|---|---|---|---|---|---|
| 10:00-17:00 | Sign-in | | Lobby @ 1F | | | | | | | Lobby @ 1F |
| 10:00-12:00 | Tutorial 1 | Modelling, Stability Analysis, and Control of Grid-Connected Wireless Power Transfer System | Riverview 1 | | | | | | | Riverview 1 |
| | Tutorial 2 | Design and Application of High-Power High-Voltage High-Frequency Transformers (H3Ts) | Riverview 2 | | | | | | | Riverview 2 |
| | Tutorial 3 | Recent Advances on High-Power DC/DC Converters for DC Generation, Distribution, and Transmission | Riverview 3 | | | | | | | Riverview 3 |
| | Tutorial 4 | Power Electronics and Control of Photovoltaic Systems as Primary Sources | Riverview 5 | | | | | | | Riverview 5 |
| 12:00-14:00 | Lunch Break | Lunch on your own | / | | | | | | | / |
| 14:00-16:00 | Tutorial 5 | Power Qualities and Their Compensators in Distributed Power Generation Systems | Riverview 1 | | | | | | | Riverview 1 |
| | Tutorial 6 | Advanced Control and Management of DC Microgrids | Riverview 2 | | | | | | | Riverview 2 |
| | Tutorial 7 | Recent Advances on Modular Multilevel Converters | Riverview 3 | | | | | | | Riverview 3 |
| | Tutorial 8 | Modeling, Analysis and Suppression of Wideband Oscillations in Wind Farms Integrated with Ac/DC Transmission | Riverview 5 | | | | | | | Riverview 5 |
| 17:30-18:45 | **Welcome Reception** | | **Riverview 1+2** | | | | | | | **Riverview 1+2** |
| 19:00-21:00 | **Young Professionals & Women in Engineering** | | **Villa 9** | | | | | | | **Villa 9** |
| **2023-06-10** | **Activities** | **Keynote & Sessions** | **Venue** | **Paper IDs** | | | | | | **Venue** |
| 08:30-08:50 | Opening Ceremony | | Grand Ballroom | | | | | | | Grand Ballroom |
| 08:50-09:25 | **Keynote Speech 1** | **Liucheng Chang**, University of New Brunswick, Canada / Past President of PELS | | | | | | | | |
| 09:25-10:00 | **Keynote Speech 2** | **Dehong Xu**, Zhejiang University, China / Vice President of PELS | | | | | | | | |
| 10:00-10:40 | Coffee Break | Poster Session P01 | Foyer | | | | | | | Foyer |
| 10:40-11:15 | **Keynote Speech 3** | **Marco Liserre**, Kiel University, Germany / Chair of PELS Technical Committee on Electronic Grid System | Grand Ballroom | | | | | | | Grand Ballroom |
| 11:15-12:00 | **Keynote Speech 4** | **Jian Sun**, Rensselaer Polytechnic Institute, USA / Vice President of PELS | | | | | | | | |
| 12:00-13:30 | Lunch | | Cafe 1188 | | | | | | | Cafe 1188 |
| 13:30-15:30 | Technical Session **T01** | Distributed Generation Interacting with Power Transmission and Distribution Systems | Grand Ballroom 1 | 7699 | 129 | 1800 | 8601 | 721 | 4187 | Grand Ballroom 1 |
| | Industrial Session **I01** | Power Electronics for Sustainable Sources | Grand Ballroom 2 | Invited | 8859 | 4028 | 370 | 3820 | 8950 | Grand Ballroom 2 |
| | Technical Session **T02** | Energy Storage Systems | Riverview 1 | 8710 | 3468 | 535 | 899 | 6626 | 3800 | Riverview 1 |
| | Technical Session **T03** | Emerging Topics on Renewables | Riverview 2 | 9561 | 6112 | 7111 | 6463 | 8587 | 8735 | Riverview 2 |
| 15:30-15:50 | Coffee Break | | Foyer | | | | | | | Foyer |
| 15:50-17:50 | Technical Session **T04** | DC-DC Conversion and Control Techniques | Grand Ballroom 1 | 8341 | 3733 | 5553 | 8360 | 8519 | 3695 | Grand Ballroom 1 |
| | Special Session **S01** | Modeling and Control of Grid Forming Converters in Modern Power System | Grand Ballroom 2 | 4094 | 577 | 1237 | 5327 | 1995 | 1331 | Grand Ballroom 2 |
| | Special Session **S02** | Wide Bandgap Devices and Their Applications | Riverview 1 | 1425 | 3747 | 9520 | 7040 | 8612 | 2906 | Riverview 1 |
| | Special Session **S03** | Real-Time and Hardware-In-The-Loop Simulations for Power Electronics in Distributed Generation Systems | Riverview 2 | 2142 | 7679 | 8335 | 8561 | 7533 | 7950 | Riverview 2 |
| 18:30-20:30 | **Gala Dinner** | | **Grand Ballroom** | | | | | | | **Grand Ballroom** |
| **2023-06-11** | **Activities** | **Keynote & Sessions** | **Venue** | **Paper IDs** | | | | | | **Venue** |
| 08:30-09:05 | **Keynote Speech 5** | **Jinjun Liu**, Xi'an Jiaotong University, China / President of China Power Supply Association | Grand Ballroom | | | | | | | Grand Ballroom |
| 09:05-09:40 | **Keynote Speech 6** | **Tianwen Yin**, Shanghai Electrical Apparatus Research Institute (Group) co., Ltd / Rotating President | | | | | | | | |
| 09:40-10:20 | Coffee Break | Poster Session P02 | Foyer | | | | | | | Foyer |
| 10:20-10:55 | **Keynote Speech 7** | **Yunwei Li**, University of Alberta, Canada / Vice President of PELS | Grand Ballroom | | | | | | | Grand Ballroom |
| 10:55-11:30 | **Keynote Speech 8** | **Xinbo Ruan**, Nanjing University of Aeronautics and Astronautics, China / 2022 PELS Sustainable Achievement Awardee | | | | | | | | |
| 12:00-13:30 | Lunch | | Cafe 1188 | | | | | | | Cafe 1188 |
| 13:30-15:30 | Industrial Session **I02** | Power Electronics System Real-Time Simulation Technology and Applications | Terrace Ballroom 1 | Invited | | | | | | Terrace Ballroom 1 |
| | Special Session **S04** | Power Conversion, Energy Management, And Multi-Energy Complementarity in Microgrid I | Terrace Ballroom 2 | Invited | | 7889 | 3589 | 1574 | 5429 | Terrace Ballroom 2 |
| | Technical Session **T05** | Power Electronics Devices and and Components | Riverview 1 | 8718 | 5055 | 5083 | 9360 | 7237 | 4700 | Riverview 1 |
| | Special Session **S05** | Design, Modeling and Control of Power Electronic Converters for Pulsed Power Applications | Riverview 2 | 3050 | 855 | 5033 | 6130 | 6863 | 9696 | Riverview 2 |
| | Technical Session **T06** | DC-AC Conversion and Control Techniques | Riverview 3+5 | 1229 | 7259 | 5334 | 7773 | 6556 | 7349 | Riverview 3+5 |
| 15:30-15:50 | Coffee Break | | Foyer | | | | | | | Foyer |
| 15:50-17:50 | Technical Session **T07** | Modeling and Analysis of Power Electronics Converters | Terrace Ballroom 1 | 3173 | 9722 | 7702 | 9305 | 2166 | 6687 | Terrace Ballroom 1 |
| | Special Session **S06** | Power Conversion, Energy Management, And Multi-Energy Complementarity in Microgrid II | Terrace Ballroom 2 | 1488 | 5112 | 8983 | 9411 | 960 | 9467 | Terrace Ballroom 2 |
| | Special Session **S07** | Magnetic Components for Next-generation Power Electronics | Riverview 1 | 2060 | 326 | 7024 | 2969 | 7081 | 7062 | Riverview 1 |
| | Technical Session **T08** | Control Methods of Power Electronics Converter-based Systems | Riverview 2 | 1490 | 7350 | 1683 | 2167 | 3985 | 9045 | Riverview 2 |
| | Special Session **S08** | Integration of Photovoltaic Power into Distribution Grids: Advanced Topologies and Control Strategies | Riverview 3+5 | 3565 | 5207 | 1507 | 6727 | 6878 | 4966 | Riverview 3+5 |
| 14:00-16:30 | **Industry Site Tour** | | | | | | | | | |
| 18:30-20:30 | **Beer Social Event** | | **Villa 7 & Lounge** | | | | | | | **Villa 7 & Lounge** |
| **2023-06-12** | **Activities** | **Keynote & Sessions** | **Venue** | **Paper IDs** | | | | | | **Venue** |
| 08:30-09:05 | **Keynote Speech 9** | **Marta Molinas**, Norwegian University of Science and Technology, Norway / Women in Engineering | Riverview 1+2 | | | | | | | Riverview 1+2 |
| 09:05-09:40 | **Keynote Speech 10** | **Lei Huang**, Sieyuan Electric co., Ltd / Vice Chief Engineer of Central Research Institute | | | | | | | | |
| 09:40-09:55 | Closing Ceremony | | | | | | | | | |
| 09:55-10:15 | Coffee Break | | Foyer | | | | | | | Foyer |
| 10:15-12:15 | Technical Session **T09** | Stability and Reliability Assessment of Power Electronics Converter | Riverview 1 | 3972 | 8104 | 1987 | 604 | 486 | 6005 | Riverview 1 |
| | Special Session **S09** | Clean Hydrogen Systems for On-board and Off-board Applications | Riverview 2 | 3992 | 5099 | 7649 | 7196 | 7294 | | Riverview 2 |
| 12:15-13:30 | Lunch | | Cafe 1188 | | | | | | | Cafe 1188 |