

1st Announcement and Call for Paper

Welcome to the 21st Annual PQSynergy™
International Conference and Exhibition
Held in September 18th - 19th, 2023
at Movenpick Hotel Sukhumvit 15 Bangkok, Thailand



21st Annual PQSynergy™ International Conference & Exhibition 2023

For 21 years, this conference has been recognized as an international forum to share experiences, information, requirements, problems and solutions on the state of the art for Power Quality, Energy Efficiency and Smart Grid.

PQSynergy™ is an excellent networking opportunity in an informal atmosphere with presentations from around the world.

- Utilities will share their experiences in the area of power quality.
- Large power users will share their present and future expectations for power quality.
- Equipment suppliers will share their overall market perspective and their specific solutions for power quality problems.

Conference Program

Monday September 18th: Power Quality

Power Quality day with special focus on new sources of PQ data for electrical distribution networks (Smart meters with PQ, Low Voltage transformer monitoring, substation monitoring), impact of Smart Grid and IEC61850 & digital relays.

Tuesday September 19th: Energy Efficiency & Renewable Energy (morning session)

Energy Efficiency day with special focus on energy losses in the electrical distribution network, conservative energy technology and solution, renewable generation (solar, wind, biofuels) and the impact on electricity supply.

Scope of Paper

Power Quality Monitoring and Solutions

- Harmonics and Filtering
- Power Conditioning Methods
- PQ Case Studies from Industry
- Power Quality Instrumentation
- Surge Suppression Technologies
- Voltage Sag Mitigation Technology
- Voltage Stability
- Power Quality through Renewable Generation
- IEC 61850 and Digital Relays

Smart Grid

- Renewable Generation, Solar and Wind Power
- Distributed Regulation
- Distributed Generation
- Intelligent Electronic Devices
- Grid Sensors
- Integration of Data from Multiple Sources
- Networking, Communications and IT
- The Impact of the Integration of Green Power Sources
- The Impact of Smart Grid Technologies on Power Quality

Energy Conservation and Management

- Energy Management Systems
- Energy Saving Devices or Systems
- Site Energy Audits and Analysis
- Batteries and Battery Systems
- Superconducting Magnetic Storage
- Flywheels (high/low speed)
- Ultra/Super Capacitors
- Inverter Technology for Solar Plant
- Improving Energy Efficiency

Compatibility & Compliance

- PQ Standards, Codes & Practices
- PQ Testing and Measurements
- IEEE and IEC Standard

All papers will be published on PQBlog
www.powerquality.blog



Conference Schedule

Abstract Submission: Monday August 7th
Notification of Acceptance: Monday August 14th
Final Full Paper Submission: Monday August 21st

Tuesday September 19th: Electric Vehicles & Impact on the Quality of Supply from the Utility (afternoon session)

While the electric vehicle (EV) market has accelerated significantly and EV infrastructure continues to grow, there are still a number of important challenges to address.

****Note: Sponsor/exhibitor and speaker can also bring one participant to attend the conference with FREE of charge.**

Organizer:  **Power Quality
Thailand LTD.**

Sponsors:  **DRANETZ™**
THE STANDARD FOR ENERGY & POWER MEASUREMENT

 **Electrotek
CONCEPTS**

 **Power
Quality Inc.**

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