

# 2<sup>nd</sup> Announcement and Call for Papers 17<sup>th</sup> Annual PQSynergy™ International Conference and Exhibition 2017 April 24<sup>th</sup> - 26<sup>th</sup>, 2017, Chiang Rai, Thailand

## Introduction

Welcome to the 17<sup>th</sup> Annual PQSynergy™ International Conference and Exhibition which will be held from April 24<sup>th</sup> - 26<sup>th</sup>, 2017, Chiang Rai, Thailand.

For 17 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 Schedule:

- ◆ **Registration:** Until April 14<sup>th</sup>, 2017
- ◆ **Paper Submission:** Until April 3<sup>rd</sup>, 2017
- ◆ **Notification of Acceptance:** Until April 7<sup>th</sup>, 2017
- ◆ **Final Full Paper Submission:** Until April 14<sup>th</sup>, 2017

### Conference Program:

- ◆ **Monday, April 24<sup>th</sup>:** Power Quality
- ◆ **Tuesday, April 25<sup>th</sup>:** Energy Efficiency Smart Grid
- ◆ **Wednesday, April 26<sup>th</sup>:** Harmonics Training & Half Day Tour

### Program Focus

#### Day 1: Power Quality

- ◆ Focus on new sources of PQ data for distribution networks (Smart meters with PQ, Low Voltage transformer monitoring, substation monitoring) and IEC61850 & digital relays

#### Day 2: Energy Efficiency & Smart Grid

- ◆ Focus on energy losses in the electrical distribution network, energy conservations and technologies, solutions, renewable generation (solar, wind, biofuels), the impact on electricity supply and Smart Grid

#### Day 3: Training and Tour

- ◆ Harmonic Training and half day tour

## Scope of Papers

### 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

### 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

### SmartGrid

- ◆ 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 SmartGrid Technologies on Power Quality

### Compatibility & Compliance

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

*All papers will be published on  
[www.pqsynergy.com](http://www.pqsynergy.com).*

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## Venue Perspective

Chiang Rai is a land of outstanding natural beauty, where visitors looking to avoid the hordes can visit remote hill tribes, spot exotic wildlife, and check out the golden triangle, the former center of the world's opium trade.

Today, Chiang Rai is a traveler's paradise, endowed with abundant natural attractions and antiquities. Attractions range from ruins of ancient settlements and Buddhist shrines to magnificent mountain scenery and hill tribe villages. For those interested in the natural side of Chiang Rai, jungle trekking is a magical experience; explore the mountains of the north along various hiking trails, many of which access the villages of diverse hill tribes groups, many of whom maintain their traditional lifestyles. Chiang Rai town, which tends to be a little more 'laid back' than its more popular neighbor, now competes with Chiang Mai as a tourist attraction and is fast becoming a popular escape for tourists wanting to leave their troubles behind.

Source: [www.tourismthailand.org](http://www.tourismthailand.org)



Pictures from: [www.chiangraifocus.com](http://www.chiangraifocus.com)

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