



Limassol, Cyprus

# ENERGYCON 2018

IEEE International Energy Conference

## Call for Papers

**Towards Self-healing, Resilient and Green Electric Power and Energy Systems  
June 3-7, 2018**

### Aim & Scope

ENERGYCON 2018 is the 5<sup>th</sup> IEEE International Energy Conference and will be held between 3-7 June 2018. It is organized by the IEEE Cyprus Section, the IEEE PES Cyprus Chapter, and the KIOS Research and Innovation Center of Excellence of the University of Cyprus, in partnership with IEEE Region 8.

ENERGYCON covers a broad range of electric power and energy systems topics and is open to contributions that are related to the theme "Towards Self-healing, Resilient and Green Electric Power and Energy Systems".

ENERGYCON aims to attract scientists, professional engineers and engineering students from all over the world and give them the opportunity to present and publish their work, discuss, exchange ideas and knowledge as well as network for future collaborations.

Accepted and presented papers will be published in the conference proceedings and appear in the IEEE Xplore Digital Library.

We are looking forward to organizing an exciting and memorable conference with a rich technical and social program. The conference venue will be the St. Raphael Resort, which is a 5-star hotel located on one of the most renowned and largest beaches in Limassol, 10 minutes away from the lively center of the city.

### Topics

Papers are invited on all topics related to electric power and energy systems, and especially with the following focus:

#### Modern Transmission Systems

- Wide Area Monitoring, Protection, and Control
- HVDC Transmission Systems
- Transmission System Planning
- FACTS

#### Active Distribution Networks

- Monitoring of Distribution Networks
- Integration of Distributed Energy Sources
- Active Management of Distribution Systems
- Optimal Planning of Distribution Networks
- Microgrids
- Protection of Distribution Networks



## Energy Storage and Renewable Energy Systems

- Integration of Energy Storage Solutions to the Grid and Their Impact
- Connection of Offshore Renewables to the Grid and their Challenges
- Modelling of Renewable Energy Sources and Storage Technologies
- Intelligent Control of Renewable Energy Sources
- Forecasting Applications for Wind and PV Generation
- New Ancillary Services Supported by Energy Storage and RES

## Electrification of Transportation Systems

- Energy Management of Transportation Systems
- Electric Vehicles as a Mobile Energy Storage
- Batteries for Electric Means of Transportation

## Hydrocarbons and Environmental Applications

- Natural Gas and Power Market
- Environmentally Friendly Solutions for Power Generation
- Energy Efficient Buildings
- Integration of Low Carbon Technologies

## Program Committee

### Conference Chair

Elias Kyriakides, University of Cyprus

### Technical Program Co-Chairs

Markos Asprou, University of Cyprus  
Vladimir Terzija, The University of Manchester

### Publications Chair

Lenos Hadjidemetriou, University of Cyprus

### Publicity and Sponsorship Chair

Elena Polykarpou, University of Cyprus

For more information:

<http://www.energycon2018.org>

## Information and Communication Technologies in Power Systems

- Smart Cities
- Communication Network Architectures and Protocols for Smart Grids
- Big Data Analytics in Power Systems
- Modern Control Centers
- Technologies for More Secure and Reliable Power System Operation
- Interdependencies Between Power System and Communication Network

## Energy Conversion

- Power Electronic Technologies
- Electric Machines
- High Efficiency Electrical Machines and Drives for Energy Saving
- Fuel Cells

## Cyber and Physical Security

- Cyber Security of Smart Grids
- Physical Security of Power Systems from Terrorist Attacks
- Requirements and Standards for Cyber and Physical Security in Electric Systems
- Power System Resiliency to Cyber and Physical Attacks

### Workshops/Tutorials/Special Sessions Co-chairs

Nikolas Flourentzou, University of Cyprus  
Irina Ciornei, University Politehnica of Bucharest

### Local Arrangement Co-Chairs

Nicos Michaelides, CYTA  
Costas Stasopoulos, Electricity Authority of Cyprus  
Panikos Symeou, Ministry of Defense, Cyprus  
Marios Papaconstantinou, Electricity Authority of Cyprus

## Important Dates

Paper Submission: 15 October 2017  
Tutorials/Special Sessions proposals: 1 October 2017  
Notification of Acceptance: 15 February 2018  
Camera-Ready Papers: 01 April 2018

