Call for Contributions

Submission:
1. Inform the Chair: with the Title of your Contribution
2. Submission URL:
   https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ENERGY+2020+Special
   Please select Track Preference as SEA

Special track

SEA: Smart Energy Applications

Chairs and Coordinators

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along with

ENERGY 2020, The Tenth International Conference on Smart Grids, Green Communications and IT Energy-aware Technologies
https://www.iaria.org/conferences2020/ENERGY20.html
May 24, 2020 to May 29, 2020 - Venice, Italy

Smart energy systems are key enablers for achieving an intelligent and efficient use of energy. Their primary goal is to obtain a more efficient exploitation of energy sources, especially renewable ones, in order to reduce global emissions and provide a greener and more sustainable energy supply chain. To this end, smart, safe and efficient energy systems are needed throughout the whole distribution chain, from generation and storage to consumption.

A smart management of energy is only achieved by the combination of several cooperating systems, each fulfilling a specific task. A non-comprehensive list includes: real-time monitoring of energy consumption and carbon footprint (through smart meters), energy balancing and management for safety and efficient among neighboring nodes in the grid (at the level of building or district), predictive identification of upcoming faults due to aging components, efficient integration of (possibly distributed) renewable sources, etc.

This special track has the purpose of exploring the latest developments in smart energy systems design and applications, including all the aforementioned elements, with a particular focus on ICT infrastructures and algorithmic optimizations.

Topics include, but not limited to:
- Algorithms and Systems Architectures for Smart Grids Management and Optimization
- Optimization Algorithms for Renewable Energy Sources (PV Panels, Wind Turbines, etc.)
- Energy Optimizations for Electric Vehicles (EVs)
- Machine Learning/Artificial Intelligence Algorithms for Smart Energy/Smart Grids
- Non-Intrusive Load Monitoring (NILM) Solutions
- Smart Meter Security and Privacy Solutions
- ICT Infrastructures for Building/District Level Smart Energy Management
Important Datelines
- Submission: March 31, 2020
- Notification: April 19, 2020
- Registration: April 29, 2020
- Camera ready: April 29, 2020

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
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Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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