

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=ICWMC+2017+Special>

Please select Track Preference as **ENERGY**

Special track

ENERGY: Energy Harvesting and Energy Management in Wireless Systems

Chair and Coordinator

Assoc. Prof. Dr. David Navarro, Ecole Centrale de Lyon, France

david.navarro@ec-lyon.fr

along with

ICWMC 2017, July 23 - 27, 2017 - Nice, France

The Thirteenth International Conference on Wireless and Mobile Communications

<http://www.iaria.org/conferences2017/ICWMC17.html>

Wireless systems are energy-constraint communication systems. They are classically composed of sensors, processor and communication interface. For example, sensors can be temperature, light or EEG sensors; processors can be 8-bit Harvard microcontroller or 32-bits Von-Neuman architecture; communication interface can be Zigbee, Bluetooth Low Energy, Wifi, Lora, SigFox, 3G, and LTE.

Design of these systems is a difficult task because of many criteria to take into account. For example, the optimal choice between circuits, protocols, data management is not a trivial task. Moreover, energy optimization is a common challenge. This session is dedicated to electronic systems for energy harvesting and management. The key idea is to use the ambient energy (solar, temperature, vibration...) to power wireless communicating systems. These sources are often low level and specific electronic architectures are mandatory. As following step, the processor software has to smartly use this energy, from hardware control to application routines. This special track is intended to have an overview of the latest research advances in this field.

Topics include, but not limited to:

- DC-DC converters
- MPPT circuits
- Energy management circuits, DVFS
- Energy-aware software and protocols
- Simulation of energy in wireless systems

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: June 15 (some might come later on)
- Notification: June 22
- Registration: July 1

- Camera ready: July 1

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

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

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICWMC+2017+Special>

Please select Track Preference as **ENERGY**

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>

Contact

David Navarro, Ecole Centrale de Lyon, France david.navarro@ec-lyon.fr

Logistics: steve@iaria.org