ENSsys 2015

in conjunction with ACM SenSys 2015

3rd Int'l Workshop on Energy Harvesting & Energy-Neutral Sensing Systems

November 1, 2015
Seoul, South Korea

Call for Papers

Complementing the topics of SenSys 2015, this workshop will bring researchers together to explore the challenges, issues and opportunities in the research, design, and engineering of energy-harvesting and energy-neutral sensing systems. These are an enabling technology for future applications in smart energy, transportation, environmental monitoring and smart cities. Innovative solutions in hardware for energy scavenging, adaptive algorithms, and power management policies are need to enable uninterrupted operation. High quality technical articles are solicited, describing advances in sensing systems powered by energy harvesting, as well as those which describe practical deployments and implementation experiences.

IMPORTANT DATES

Submission: ~~July 27~~ August 10, 2015 (23:59 GMT)
Notification: August 31, 2015
Camera Ready: September 7, 2015
Workshop: November 1, 2015

ORGANISING COMMITTEE

General Chair: Geoff Merrett, Uni. Southampton, UK
Programme Chairs: Christian Renner, Uni. Lübeck, Germany
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Usman Raza, FBK Institute, Italy
Olivier Sentieys, University of Rennes, France
Dora Spenza, Sapienza University of Rome, Italy
Alessandro Vinco, Tyndall Institute, Ireland

WORKSHOP SCOPE

Topics of interest include, but are not limited to:

- Power management concepts, algorithms and circuits for energy harvesting sensing systems
- Middleware support and services which support interoperability between zero-energy networks
- Resource management and operating system support for energy harvesting sensing systems
- Network-wide distributed energy management (e.g. routing, adaptive duty cycling etc)
- Online measurement of energy intake and consumption
- Predicting energy intake and consumption
- Ensuring reliable operation in energy harvesting sensor systems
- Modelling, simulation and tools for effective design of future energy harvesting sensing systems
- Architectures and standards for energy-neutral sensing systems
- Internet of (battery-less) things
- Experience with real-world deployments and innovative applications

SUBMISSION GUIDELINES

We solicit two types of paper submission: technical papers (up to 6 pages) and demo/poster papers (up to 2 pages). Papers should be submitted for consideration via the workshop website, prior to the submission deadline. Papers should adhere to the formatting guidelines; templates are available from the workshop website. Papers will undergo double-blind review, and will be reviewed for novelty, relevance and quality. Accepted submissions will be available on the ACM digital library at least one week before the conference.

http://www.enssys.org/