ENSsys 2017

in conjunction with ACM SenSys 2017

5th Int'l Workshop on Energy Harvesting & Energy-Neutral Sensing Systems

November 5, 2017
Delft, The Netherlands

Call for Papers

Complementing the topics of SenSys 2017, this workshop will bring researchers together to explore the challenges, issues and opportunities in the research, design, and engineering of energy-harvesting, energy-neutral and intermittent 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 needed to enable either uninterrupted and intermittent 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:	~~August 11~~ August 25, 2017 (23:59 AOE)
Notification:	September 15, 2017
Camera Ready:	September 29, 2017
Workshop:	November 5, 2017

Organizing Committee

General Chair:	Christian Renner, TUHH, Germany
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Olivier Sentieys, University of Rennes, France
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Workshop Scope

Topics of interest include, but are not limited to:

- Power management concepts, algorithms and circuits for energy-harvesting sensing systems
- Hardware and software concepts for intermittent computing
- 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.)
- Communication in intermittent-power domain
- 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 three types of paper submission: technical papers (up to 6 pages), position papers (up to 3 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