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 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
- Program Chair: Brandon Lucia, Carnegie Mellon Univ., USA
- Poster/Demo Chair: Davide Brunelli, Univ. of Trento, Italy
- Local Chair: Przemyslaw Pawelczak, TU Delft, The Netherlands
- Publicity Chairs: Josiah Hester, Clemson University, USA
  - Alex Weddell, Univ. of Southampton, UK

**STEERING COMMITTEE**
- Brandon Lucia, Carnegie Mellon Univ., USA
- Geoff Merrett, Univ. of Southampton, UK
- Przemyslaw Pawelczak, TU Delft, The Netherlands
- Christian Renner, TUHH, Germany
- Jacob Sorber, Clemson University, USA

**TECHNICAL PROGRAM COMMITTEE**
- Brad Campbell, University of Michigan, USA
- Metthew Hicks, Virginia Tech, USA
- Polly Huang, National Taiwan University, Taiwan
- Raja Jurdak, CSIRO, Australia
- Luca Mottola, Politecnico di Milano, Italy
- Winston Seah, Victoria University of Wellington, New Zealand
- Olivier Sentieys, University of Rennes, France
- Vamsi Talla, University of Washington, USA

**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.

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