

# ENSsys 2016

in conjunction with ACM SenSys 2016

## 4<sup>th</sup> Int'l Workshop on Energy Harvesting & Energy-Neutral Sensing Systems

November 16, 2016  
Stanford, CA, USA



## CALL FOR PAPERS

Complementing the topics of SenSys 2016, 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 needed 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: ~~August 8~~ August 22, 2016 (23:59 GMT)  
Notification: September 12, 2016  
Camera Ready: September 19, 2016  
Workshop: November 16, 2016

### ORGANIZING COMMITTEE

General Chair: Christian Renner, TUHH, Germany  
Program Chair: Jacob Sorber, Clemson University, USA  
Publicity Chairs: Josiah Hester, Clemson University, USA  
Alex Weddell, University of Southampton, UK

### TECHNICAL PROGRAM COMMITTEE

Davide Brunelli, University of Trento, Italy  
Brad Campbell, University of Michigan, USA  
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Emanuel Popovici, University College Cork, Ireland  
Winston Seah, Victoria University of Wellington, New Zealand  
Olivier Sentieys, University of Rennes, France  
Dora Spenza, Sapienza University of Rome, Italy  
Vamsi Talla, University of Washington, USA  
Alex Weddell, University of Southampton, UK

### 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>