ENSsys 2014

in conjunction with ACM SenSys 2014

2nd International Workshop on Energy-Neutral Sensing Systems

November 6, 2014
Memphis, TN, USA

Call for Papers

Complementing the topics of ACM SenSys 2014, this workshop brings together international researchers to explore the challenges, issues, and opportunities in the research, design, and engineering of energy-harvesting and energy-neutral sensing systems. These are a technological cornerstone for future applications in smart energy, future transportation, environmental monitoring, and smart cities. High-quality original technical articles are solicited, describing advances in energy-aware sensing systems, including those which describe practical deployments and implementation experiences.

IMPORTANT DATES

Paper Submission: August ~~03~~ 17, 2014 (23:59 EST)
Demo/Poster Submission: August ~~17~~ 24, 2014 (23:59 EST)
Notification: September 21, 2014
Camera Ready: September 28, 2014

ORGANISERS

General Chair: Geoff Merrett, Uni. Southampton, UK
Programme Chair: Christian Renner, Uni. Lübeck, Germany
Programme Co-Chair: Davide Brunelli, Uni. Trento, Italy

TECHNICAL PROGRAMME COMMITTEE

Paul Wright, UC Berkeley, USA
Yang Yaowen, Nanyang Technological Uni, Singapore
Pai Chou, UC Irvine, USA
Davide Brunelli, Uni. Trento, Italy
Yogesh Ramadass, Texas Instruments, USA
Winston Seah, Victoria Uni. Wellington, New Zealand
Maria Gorlatova, IBM, USA
Christian Renner, Uni. Lübeck, Germany
Guy Grebla, Columbia University, USA
Geoff Merrett, Uni. Southampton, UK
Aravind Kailas, Alg. Models & Syst. Solutions LLC, USA
Tan Yen Kheng, Nanyang Technological Uni, Singapore

WORKSHOP SCOPE

Topics of interest include, but are not limited to:

- Power management algorithms for energy-neutrality
- Power management circuits and systems
- Approaches to enable interoperability between energy-neutral networks
- OS-support for energy harvesting sensing systems
- Network-wide distributed energy management
- Online measurement of energy intake and consumption
- Online prediction of energy intake and consumption
- Reliable operation in energy harvesting sensor systems
- Modelling, simulation and tools for effective design of energy-neutral sensing systems
- Architectures and standards
- Internet of (energy-neutral) things
- Innovative applications
- Experiences from real-world deployments
- Networking support for energy-neutral and energy-harvesting sensing systems
- Event-powered sensing systems and networks

SUBMISSION GUIDELINES

We solicit three types of paper submission: technical papers (6 pages), demo papers (2 pages, presented at the workshop as interactive demonstrations), and poster papers (2 pages, presented at the workshop as a poster). Submissions should be previously unpublished, and not under review by another conference or journal. Papers should be submitted for consideration via the workshop website, prior to the submission deadline, and must adhere to the provided formatting guidelines. Papers will undergo double-blind review; authors are asked to remove names and other identifying statements from submissions. Submissions will be reviewed for novelty, relevance, and quality. All accepted papers will be available on the ACM Digital Library.

http://www.enssys.org/