

CALL FOR PAPERS

Wireless Sensor Networks and Applications Track

SAC 2010

25th ACM Symposium on Applied Computing
<http://www.cs.clemson.edu/~jasonoh/sac2010/>

22-26 March 2010, Sierre, Switzerland

Background. Pervasive computing enthusiasts envision a world in which a transparent and reactive compute fabric is seamlessly woven through everyday experience. Over the past decade, this vision has begun to take shape — from science fiction sidebars to practical and useful technologies. The key enabler has been the rapid advancement and adoption of wireless sensor network technology. These networks, composed of tiny computing elements that sense, process, and communicate environmental stimuli, provide previously unachievable levels of visibility into, and control of, the physical world.

Topics of Interest. The Wireless Sensor Networks and Applications (WSNA) Track at SAC 2010 is designed to attract diverse participation from researchers and practitioners working at the leading edge in wireless sensor network development. This necessarily covers a broad spectrum of topics, representative of the cross-cutting nature of the area — from hardware architecture, to operating system design, to algorithms and program comprehension. We solicit **original and unpublished** manuscripts on various aspects of wireless sensor network development, including (but not limited to) the following topics:

- Low-power hardware architectures
- Scalable and fault-tolerant communication protocols
- Embedded operating systems
- Programming language abstractions
- Data processing, dissemination, and aggregation algorithms
- Program comprehension technologies
- Software and hardware development tools
- Applications and systems
- Middleware
- Time synchronization
- Network modeling and simulation

Submission of Manuscripts. Submissions must be at most 8 pages (8.5" × 11"), formatted using the ACM Proceedings template (available at <http://www.acm.org/conferences/sac/sac2010/downloads10.htm>). Papers that do not meet size and formatting requirements will be returned without review. Submissions will be subject to rigorous peer review. Accepted papers will be presented at SAC 2010 and included in the symposium proceedings (indexed in the ACM Digital Library). Accepted papers can be at most 5 pages long, although authors will have the option to purchase up to 3 additional pages at \$80 per page.

The review process will be double-blind. Submitting authors must omit their names and contact information, including on the first page of the manuscript. Self-citations must also be expressed in the third person.

Best Paper Awards. Up to two manuscripts will be selected by the program committee to receive "*best paper*" awards. We expect these papers to be published as featured articles in an international sensor networks journal. The details of this agreement are not yet final.

Important Dates (strict)

- Paper submissions due: Sep 8, 2009
- Author notification: Oct 19, 2009
- Camera-ready copy: Nov 2, 2009

Program Committee

- Dr. Anish Arora, Ohio State University
- Dr. Jan Beutel, Swiss Federal Institute of Technology
- Dr. Richard Brooks, Clemson University
- Dr. Nirupama Bulusu, Portland State University
- Dr. Murat Demirbas, SUNY Buffalo
- Dr. Yabo Dong, Zhejiang University
- Dr. Adam Dunkels, Swedish Institute of Computer Science
- Dr. Shudong Jin, Case Western Reserve University
- Dr. Christine Julien, University of Texas at Austin
- Dr. Vinod Kuluthumani, West Virginia University
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- Dr. Pradip Srimani, Clemson University
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- Dr. Liangmin Wang, Jiangsu University
- Dr. Qishi Wu, The University of Memphis
- Dr. Hongwei Zhang, Wayne State University
- Dr. Wenbing Zhao, Cleveland State University

Track Co-Chairs

- Dr. Nigamanth Sridhar, Cleveland State University
- Dr. Jason O. Hallstrom, Clemson University