

Call for Papers
4th Intl. Workshop on Feedback Control Implementation and Design in
Computing Systems & Networks (FeBID 2009)

San Francisco, CA, April 16th, 2009

Co-located with CPS Week 2009 (<http://www.cpsweek.org/>)

FeBID 2009 solicits original research papers on applying feedback control theory to analyzing and designing computing systems, networks, and service, such as those in data centers, enterprise systems, real-time systems, embedded systems, sensor networks, and cyber-physical systems. The workshop offers a unique opportunity for researchers and practitioners to discuss recent and innovative results in the field. It is a forum to exchange ideas and experiences on practical control system design and implementation and to identify future directions and challenges in aligning feedback control techniques with traditional performance analysis, modeling, and simulation.

Topics of interest to this workshop include, but are not limited to, the following:

- Control engineering applications to server, embedded and network systems
- Feedback control architectures
- Operating system, middleware, and programming language supports
- Resource, workload, and quality-of-service managements
- Control models, methodologies, and paradigms for computing systems
- Sensor, actuator and control algorithm designs for computing systems
- Control performance analysis and evaluation

We particular encourage papers that position research directions in new areas, or share lessons learned in practical applications.

All submissions should be formatted according to the standard ACM proceedings guidelines and are between 6~8 pages in length. Please see workshop website for submission instructions. Selected papers will be published in an ACM SIGBED Review special issue.

Important Dates:

Extended submission deadline: ~~Jan. 9th, 2009~~ **Jan. 16th, 2009**

Notification of acceptance: Feb, 20th, 2009

Final paper due: March 15th, 2009

Workshop date: April 16th, 2009

Workshop Co-chairs:

Karl-Erik Årzén (Lund University)

Xenofon D. Koutsoukos (Vanderbilt University)

Jie Liu (Microsoft Research)

Program Committee:

Sherif Abdelwahed (MS State Univ., USA)

Tarek Abdelzaher (UIUC, USA)

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Luigi Palopoli (Univ. of Trento, Italy)

George Pappas (Univ. of Pennsylvania, USA)

Anders Robertsson (Lund Univ., Sweden)

Bruno Sinopoli (CMU, USA)

Xiaorui Wang (Univ. of Tennessee, USA)

Xiaoyun Zhu (VMware, USA)

For more information: <http://controlsystems.org/febid2009/>