

## **Middleware 2009**

### **ACM/IFIP/USENIX 10th International Middleware Conference**

**November 30 – December 4, 2009**

**Urbana – Champaign, Illinois, USA**

**<http://middleware2009.cs.uiuc.edu/>**

### **CALL FOR POSTERS**

The Middleware conference is a forum for the discussion of important innovations and recent advances in the design, construction and uses of middleware. Middleware is distributed-systems software that resides between the applications and the underlying operating systems, network protocol stacks, and hardware. Its primary role is to functionally bridge the gap between application programs and the lower-level hardware and software infrastructure in order to coordinate how application components are connected and how they interoperate.

Following the success of past conferences in this series, the 10th International Middleware Conference will be the premier event for middleware research and technology in 2009. As previous years, the poster session will provide an opportunity for conference attendees to learn about innovative work in progress and to preview late-breaking research results. Posters contributions are solicited in all areas of middleware research and applications.

Topics include but are not limited to:

#### Platforms and Architectures:

- \* Middleware for Web services and Web-service composition
- \* Middleware for cluster and grid computing
- \* Peer-to-peer middleware solutions
- \* Event-based, publish/subscribe, and message-oriented middleware
- \* Communication protocols and architectures
- \* Middleware for ubiquitous and mobile computing
- \* Middleware for embedded systems and sensor networks
- \* Middleware for next generation telecommunication platforms
- \* Semantic middleware
- \* Service-oriented architectures
- \* Standard middleware architectures
- \* Reconfigurable, adaptable, and reflective middleware approaches

#### Systems issues:

- \* Advanced middleware support for high confidence dynamic integrated systems
- \* Reliability, fault tolerance, and quality-of-service in general
- \* Scalability of middleware: replication and caching
- \* Systems management, including solutions for autonomic and self-managing middleware
- \* Middleware feedback control solutions for self-regulation
- \* Real-time solutions for middleware platforms
- \* Information assurance and security
- \* Evaluation techniques for middleware solutions
- \* Middleware support for multimedia streaming
- \* Middleware solutions for (large scale) distributed databases

Design principles and tools:

- \* Formal methods and tools for designing, verifying, and evaluating middleware
- \* Model-driven architectures
- \* Software engineering for middleware
- \* Engineering principles and approaches for middleware
- \* Novel development paradigms, APIs, and languages
- \* Existing paradigms revisited: object models, aspect orientation, etc.
- \* On-the-fly management and configuration of middleware

The scope of the conference is the design, implementation, deployment, and evaluation of distributed system platforms and architectures for future computing and communication environments. Highlights of the conference will include a high quality technical program, invited speakers, an industrial track, poster and demo presentations, a doctoral symposium, and workshops.

### **Submission Details.**

Submissions describing the posters should be at most 2 pages using the ACM proceedings format. Deadline for submissions is **September 15**. Please send the poster proposal as a PDF document to Reza Farivar (farivar2@illinois.edu) indicating "Middleware Poster Proposal" in the subject line.