



ACM/IFIP/USENIX

Middleware 2014

December 8 – 12, 2014, Bordeaux, France

<http://2014.middleware-conference.org/>

The annual ACM/IFIP/USENIX Middleware conference is a major forum for the discussion of innovations and recent advances in the design, construction and use of middleware systems. The scope of the conference is the design, implementation, deployment, and evaluation of distributed system platforms and architectures for computing, storage, and communication environments. The conference will include a high quality single-track technical program, invited speakers, an industrial track, panel discussions involving academic and industry leaders, poster and demonstration presentations, a doctoral symposium, and workshops. Focus areas include:

Middleware Platforms and Usage Models

- *Middleware for emerging cloud computing platforms*
- *Middleware for data-intensive computing (Big Data)*
- *Middleware for Internet applications and multimedia*
- *Middleware for mobile and ubiquitous computing*

Systems Issues for Middleware

- *Virtualization, auto-scaling, provisioning, and scheduling*
- *Real-time solutions and quality of service*
- *Scalability and performance*
- *Reliability and fault-tolerance*
- *Consistency, availability, and replication*
- *Energy- and power-aware techniques*

Design Principles and Tools

- *Event-based, publish/subscribe, and peer-to-peer solutions*
- *Reconfigurable, adaptable, and reflective approaches*
- *Programming frameworks, parallel programming, and design methodologies for middleware*
- *Formal methods, testing, diagnosis, and distributed debugging of middleware*
- *Methodologies and tools for middleware design, implementation, verification, and evaluation*
- *Retrospective reviews of middleware paradigms, e.g., object models, aspect orientation, etc.*

Abstract Submission: **May 9, 2014**Paper Submission: **May 16, 2014**Notification of Acceptance: **August 1, 2014**Camera Ready: **September 8, 2014**Association for
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