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Web Site

http://debs.org/2008

Call for Contributions

Event-based systems are rapidly gaining importance in many application domains ranging from real time monitoring systems in production, logistics and networking to complex event processing in finance and security. The event based paradigm has gathered momentum as witnessed by current efforts in areas including event-driven architectures, complex event processing, business process management and modelling, Grid computing, Web services notifications, information dissemination, event stream processing, and message-oriented middleware. The various communities dealing with event based systems have made progress in different aspects of the problem. The dEbs conference attempts to bring together researchers and practitioners active in the various subcommunities to share their views and reach a common understanding.

The scope of the conference covers all topics relevant to event-based computing ranging from those discussed in related disciplines (e.g., coordination, software engineering, peer-to-peer systems, Grid computing, and streaming databases), over domain-specific topics of event-based computing (e.g., workflow management systems, mobile computing, pervasive and ubiquitous computing, sensor networks, user interfaces, component integration, Web services, and embedded systems), to enterprise related topics (e.g., complex event detection, enterprise application integration, real time enterprises, and Web services notifications).

The topics addressed by the conference include (but are not limited to):

Models, Architectures and Paradigms

- Event-driven architectures
- Basic interaction models
- Event algebras, event schemas and type systems
- Languages for event correlation and patterns, streaming and continuous queries, data fusion
- Models for static and dynamic environments
- Complex event processing
- Design and programming methodologies
- Event-based business process management and modeling
- Experimental methodologies
- Performance modeling and prediction based on analytic approaches

Middleware Infrastructures for Event-Based Computing

- Federated event-based systems
- Middleware for actuator and sensor networks
- Algorithms and protocols
- Event dissemination based on p2p systems
- Context and location awareness
- Fault-tolerance, reliability, availability, and recovery
- Security issues
- (Self-)Management
- Mobility and resource constrained device support
- Streaming queries, transformations, or correlation engines

Applications, Experiences, and Requirements

- Use cases and applications of event-based systems
- Real-world application deployments using event-based middleware
- Domain-specific deployments of event-based systems
- Real-world data characterizing event-based applications
- Benchmarks, performance evaluations, and testbeds
- Application requirements for next-generation event-based solutions
- Relation to other architectures
- Enterprise application integration
- Event-driven business process management
- Information logistics
- Seamless integration of event-based mechanisms into middleware platforms

Author Instructions

Three types of paper submissions will be accepted: **research** papers, **industry** papers, and **demo** papers. Submitted papers should clearly indicate their type. Papers must not exceed the given number of pages for the respective paper type: Research Papers: (max. 12 pages), Industry Papers: (max. 8 pages) Demo Papers: (max. 4 pages). Submissions must be in the ACM format for conference proceedings. The conference adopts a double blind review process, where neither authors nor reviewers know each others' identities. Accepted papers will be published by ACM and disseminated through the ACM Digital Library. Industry submissions will be evaluated by an Industry Committee.

Important Dates

Abstract submission: March 9th, 2008
Paper submission: March 15th, 2008
Authors notification: May 10th, 2008
FInal manuscript: May 31st, 2008
DEBS Conference dates: July 2nd-4th, 2008

Conference location

Dipartimento di Informatica e Sistemistica "Antonio Ruberti"
Sapienza Università di Roma
Via Ariosto 25, Roma
Italy

The location is in the very heart of the ancient Rome, 10 minutes walking distance from some of the most famous city monuments: Colosseum, Domus Aurea and Imperial Forums. Moreover, the conference is located in the middle of the axe connecting two famous basilicas, St. John Lateran and Santa Maria Maggiore, both reachable in less than 5 minutes walking distance.

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