

# DEBS2010



4<sup>th</sup> ACM International Conference on Distributed Event-Based Systems

July 12<sup>th</sup> - 15<sup>th</sup>, 2010

Cambridge, United Kingdom



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## Important Dates

Paper abstract submission

March 1<sup>st</sup>, 2010

Paper submission

March 8<sup>th</sup>, 2010

Author notification

April 26<sup>th</sup>, 2010

Posters, Demos and Fast

Abstracts submission:

May 1<sup>st</sup>, 2010

Conference:

July 12<sup>th</sup>-15<sup>th</sup>, 2010

## Website

<http://debs.org/2010>

## 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

## Program Committee

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### Author Instructions

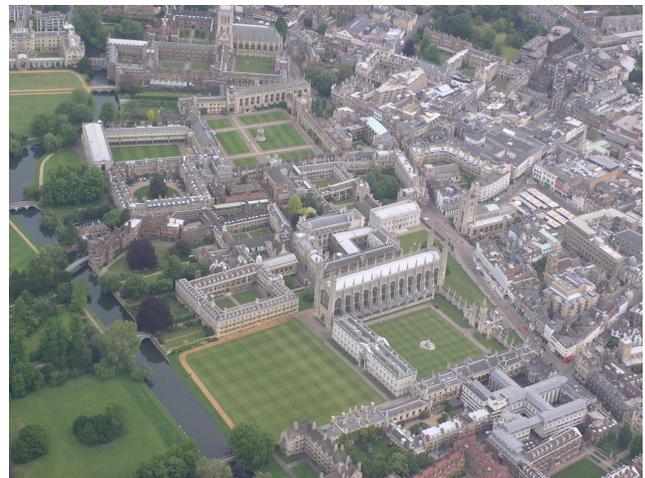
Five types of submissions will be accepted: research papers, industry papers, demos, posters and fast abstract contributions.

Submitted papers should clearly indicate their type. Papers must not exceed the given number of pages for the respective submission category: 12 pages for research track papers, 10 pages for industry papers, 4 pages for industry experience papers, 2 pages for demo, poster papers, and for fast abstract submissions. Further details about each submission type can be found on the DEBS'10 website (<http://www.debs.org/2010>).

All submissions must be original and unpublished. 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. Industry submissions will be evaluated by an Industrial Programme Committee. Accepted papers will be published by ACM and disseminated through the ACM Digital Library. All contributions except for fast abstracts will be included in the official proceedings.

### Conference Location

The venue for the 2010 edition will be the prestigious King's College in Cambridge, UK, which is one of the most beautiful colleges in Cambridge. The Chapel of King's College has become a symbol of the city.



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