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):

<table>
<thead>
<tr>
<th>Models, Architectures and Paradigms</th>
<th>Middleware Infrastructures for Event-Based Computing</th>
<th>Applications, Experiences, and Requirements</th>
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<tr>
<td>Event-driven architectures</td>
<td>Federated event-based systems</td>
<td>Use cases and applications of event-based systems</td>
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<td>Basic interaction models</td>
<td>Middleware for actuator and sensor networks</td>
<td>Real-world application deployments using event-based middleware</td>
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<td>Event algebras, event schemas and type systems</td>
<td>Algorithms and protocols</td>
<td>Domain-specific deployments of event-based systems</td>
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<td>Languages for event correlation and patterns, streaming and continuous queries, data fusion</td>
<td>Event dissemination based on p2p systems</td>
<td>Real-world data characterizing event-based applications</td>
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<td>Models for static and dynamic environments</td>
<td>Context and location awareness</td>
<td>Benchmarks, performance evaluations, and testbeds</td>
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<td>Complex event processing</td>
<td>Fault-tolerance, reliability, availability, and recovery</td>
<td>Application requirements for next-generation event-based solutions</td>
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<td>Design and programming methodologies</td>
<td>Security issues</td>
<td>Relation to other architectures</td>
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<td>Event-based business process management and modeling</td>
<td>(Self-)Management</td>
<td>Enterprise application integration</td>
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<td>Experimental methodologies</td>
<td>Mobility and resource constrained device support</td>
<td>Event-driven business process management</td>
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<td>Performance modeling and prediction based on analytic approaches</td>
<td>Streaming queries, transformations, or correlation engines</td>
<td>Information logistics</td>
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<td>Seamless integration of event-based mechanisms into middleware platforms</td>
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</table>
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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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