3rd International Conference on Distributed Event-based Systems (DEBS 2009)

Conference dates: July 6-9, 2009, Nashville, TN, USA
Sponsorship: We are working on an ACM sponsorship
Conference web site will be available at: http://www.isis.vanderbilt.edu
Conference Location: Vanderbilt University, Nashville, TN, USA (www.vanderbilt.edu)

Important Dates:	**Organization**
Abstract submission: Feb 23rd, 2009 Paper submission: Mar 2nd, 2009 Authors notification: Apr 27th, 2009 Final manuscript: May 18th, 2009 DEBS Conference: Jul 6-9, 2009	General co-chairs: Dr. Douglas C. Schmidt (Vanderbilt University, USA) Dr. Aniruddha Gokhale (Vanderbilt University, USA) PC co-chairs: Dr. Calton Pu (Georgia Tech, USA) Dr. Bugra Gedik (IBM T. J. Watson Research Center, USA) Local Arrangements: Jules White and James Hill (Vanderbilt University, USA) Other positions and Program Committee: TBD

Scope

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 publish/subscribe systems, event-driven architectures, complex event processing, business process management and modeling, 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 sub communities 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	Middleware Infrastructures for Event-Based Computing	Applications, Experiences, and Requirements
* 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	* 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	* 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.