

Call for Papers: DEBS '05

4th International Workshop on Distributed Event-Based Systems

June 10, 2005
Columbus, Ohio

Co-located with ICDCS '05

Workshop Co-chairs:

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P. Pietzuch (Harvard)
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J. Sventek (Glasgow)
P. Triantafillou (Patras)
R. van Renesse (Cornell)

Invited Speakers:

To be announced

Organizing Committee:

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www.cs.queensu.ca/~dingel/debs05

Theme: Event-based systems are those in which information provided by producers is distributed in a timely manner to interested consumers via messaging middleware. These systems are seeing increasingly widespread use, in applications ranging from time-critical systems, system management and control, to e-commerce. Traditional event-based systems support subscriptions based on topics, or based on filter predicates on message content. An emerging new area of interest is the extension of these services to include transformation, aggregation, and correlation of events.

Many applications of this nature are built today by combining publish-subscribe systems with other client-side systems to perform the additional computation. The interest in these problems overlaps with other system areas – specifically streaming systems, continuous query and continuous view update systems in databases, correlation engines, and system monitoring and management tools. The goal of the workshop is to provide cross-fertilization between researchers and practitioners in these areas with researchers and practitioners in traditional event-based middleware.

Topics: We seek submissions on the foundations, implementation, and application of all aspects of event-based middleware, from traditional topic-based and content-based publish-subscribe, to event correlation, streaming queries, mediations, and systems integration. Contributions from practitioners in industry and government, as well as from academic and industrial researchers are welcome. Topics include, but are not limited to

- event-based models and paradigms,
- middleware infrastructure,
- integration, and
- user experience and requirements.

Please see www.cs.queensu.ca/~dingel/debs05 for more details.

Submissions: Position papers, requirements for real-world applications, as well as papers based on preliminary results are welcome, provided that they are forward-looking and that they remain well-argued and justified in terms of existing work. Please see www.cs.queensu.ca/~dingel/debs05 for more details.

Important dates:

Deadline for submission:	January 24, 2005
Decision to authors:	February 21, 2005
Final version of accepted papers due:	March 1, 2005
Workshop:	June 10, 2005