

4th International Workshop on Distributed Event-Based Systems (DEBS'05)

Columbus, Ohio, USA

Final Program

Friday, June 10, 2005

08:25 - 08:30 Opening (Juergen Dingel and Rob Strom)

08:30 - 10:00 Session 1: Matching and Multicasting (Chair: J. Dingel)

- *Analysis and Algorithms for Content-based Event Matching*
Elad Hazan, Satyen Kale, Fengyun Cao, and Jaswinder Pal Singh
Computer Science Department, Princeton University, Princeton, USA
- *MEDYM: Match-Early and Dynamic Multicast for Content-based Publish-Subscribe Service Networks*
Fengyun Cao and Jaswinder Pal Singh
Princeton University, Princeton, USA
- *Introducing Location Awareness in Publish-Subscribe Middleware*
Gianpaolo Cugola and Jose Enrique Munoz de Cote
Dip. di Elettronica e Informazione, Politecnico di Milano, Milan, Italy

10:00 - 10:30 Coffee break

10:30 - 11:30 Panel discussion: Technical Challenges and Future Directions for Event-Based Systems

Participants: Antonio Carzaniga (University of Lugano and University of Colorado at Boulder), Hans-Arno Jacobsen (University of Toronto), Karsten Schwan (Georgia Tech), Rob Strom (IBM TJ Watson)

11:30 - 13:00 Lunch

13:00 - 14:30 Session 2: Publish-Subscribe with State (Chair: A. Hinze)

- *Policy-controlled Event Management for Distributed Intrusion Detection*
Christian Kreibich and Robin Sommer
Computer Laboratory, University of Cambridge, UK and Computer Science Department, Technische Universität München, Germany
- *Integrating Databases with Publish/Subscribe*
Luis Vargas, Jean Bacon, and Ken Moody
Computer Laboratory, University of Cambridge, Cambridge, UK
- *Integrating Distributed Object Transactions with Wide-Area Content-Based Publish/Subscribe Systems*
Anton Michlmayr and Pascal Fenkam
Vienna University of Technology, Distributed Systems Group, Wien, Austria

14:30 - 15:00 Discussion: The Future of DEBS

15:00 - 15:30 Coffee break

(Cont'd)

15:30 - 17:00 Session 3: Ad Hoc and Dynamic Topologies (Chair: G. Cugola)

- *CHR: A Distributed Hash Table for Wireless Ad Hoc Networks*
Filipe Araujo, Luis Rodrigues, Jörg Kaiser, Changling Liu, and Carlos Mitidieri
Universidade de Lisboa, Portugal and University of Ulm, Germany
- *Publish-Subscribe Tree-Maintenance over a DHT*
Paolo Costa and Davide Frey
Politecnico di Milano, Italy
- *Publisher Mobility in Distributed Publish/Subscribe Systems*
Vinod Muthusamy, Milenko Petrovic, Dapeng Gao, and Hans-Arno Jacobsen
Department of Electrical and Computer Engineering, University of Toronto, Canada

17:00 - 18:00 Session 4: Short Papers (Chair: R. Strom)

- *A Stateful and Open Publish-Subscribe Structure for online Marketplaces (Position Paper)*
Ingar Mæhlum Arntzen and Dag Johansen
Department of Computer Science, University of Tromsø, Norway
- *Low Latency Optimisation of Content Based Publish Subscribe for Real-Time Mobile Gaming Applications*
Duncan McCaffery and Joe Finney
Computing Department, Lancaster University, Lancaster, UK
- *A Distributed Alerting Service for Open Digital Library Software*
Annika Hinze and George Buchanan
Department of Computer Science, University of Waikato, New Zealand and UCL Interaction Centre, University College London, UK
- *On the Benefits of Non-Canonical Filtering in Publish/Subscribe Systems*
Sven Bittner and Annika Hinze
University of Waikato, Hamilton, New Zealand

18:00 Closing (Juergen Dingel and Rob Strom)