

**4th IEEE International Workshop on  
Advanced Issues of E-Commerce and Web-based Information Systems  
June 26-28, 2002, Newport Beach, California, USA**

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**Workshop Program**

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**Wednesday, June 26, 2002**

10:00-6:30pm Registration

10:30-11:30 Tutorial I: "Web Services: Web Services Infrastructure," Liang-Jie Zhang, IBM

11:30-1:00 Lunch

1:00-2:00 Tutorial II: "Web Services: R & D Challenges," Akhil Sahai, HP

2:00-3:00 Tutorial III: "Web Services: Architecture and Applications," Jen-Yao Chung, IBM

3:00-3:30 Break

3:30-5:00 Work In Progress

Session Chair: Anyndia Datta

- BPML : A Process Modeling Language for Dynamic Business Models (Rajesh Kumar T, Amit Kumar Srivatava, Ashis Kumar Pujari, Visweswar B. K)
- Modeling and Exchange of Product Classification Systems using XML (Joerg Leukel, Volker Schmitz)
- DisCSPs: Tools for efficient and generic multi-agents negotiations (Youssef Hamadi)
- Towards a Platform for Supporting the Buyer in Trading in Heterogeneous Marketplaces (Bendick Mahleko, Justus Klingemann, Peter Frankhauser)

5:30-7:00 IBM Reception

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**Thursday, June 27, 2002**

8:00-4:00pm Registration

8:00-9:00 Continental Breakfast

8:30-9:50 Opening Session Chair's Message (Kwei-Jay Lin, UCI )

Keynote Address: "Web Services and XML Good News: The Difficult Issues are Still Open," Matthieu Devin, Oracle

9:50-10:20 Break

10:20-12:00 Session 1: Web Services and XML-based Protocols

Session Chair: Sang H. Son

- XML-based Advanced UDDI Search Mechanism for B2B Integration (Liang-Jie, Zhang, Haifei Li, Henry Chang, Tian Chao)
- MQML- Message Queuing Markup Language (Minhua Shi, Deren Chen, Rongguo Wang)
- QoS Management in Web-based Real-Time Data Services (Sang H. Son, Kyoung-Don Kang)
- Automatic Generation and Integration of RosettaNet Based On Generic Templates and Components (Simon S. Y. Shim, Zhaoyuan Zeng, Jerry Gao)

12:00-1:30 Lunch

1:30-3:10 Session 2: Business Processes and Workflow Technology

Session Chair: Heiko Ludwig

- Flexible Inter-enterprise Workflow Management using E-Services (Jie Meng, Raja Krithivasan, Stanley Y. W. Su, Sumi Helal)
- Integration of Web Services into Workflows through a Multi-Level Schema Architecture (Günter Preuner, Michael Schrefl)
- Converting Business Documents: A Classification of Problems and Solutions using XML/XSLT (Erik Wustner, Thorsten Hotzel, Peter Buxmann)
- Separating Business Process from User Interaction Utilizing Process-Aware XSLT Style-Sheets (Karl Aberer, Anwitaman Datta, Zoran Despotovic)

3:10-3:40 Break

3:40-5:20 Session 3: E-Markets: Pricing, Negotiations and Trust

Session Chair: JoAnne Holliday

- On the Sensitivity of Incremental Algorithms for Combinatorial Auctions (Ryan Kastner, Christina Hsieh, Miodrag Potkonjak, Majid Sarrafzadeh)
- Pricing Bundled Information Goods (Kemal Altinkemer, Jeevan Jaisingh)
- Negotiated Revealing of Traders' Credentials in e-Marketplaces: dealing with Trust and Privacy issues (Marco Casassa Mont, Mike Yearworth)
- A New Category of Business Negotiation Primitives for Bilateral Negotiation Agents and Associated Algorithm to Find Pareto Optimal Solutions (Haifei Li)

6:30-9:00 Banquet

Keynote Address: "Web Services: Enabling Business Integration and Collaboration," John Sayah, IBM

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**Friday, June 28, 2002**

8:00-11:00am Registration

8:00-9:00 Continental Breakfast

8:30-10:10 Session 4: Internet Infrastructure

Session Chair: Kun-Lung Wu

- A Service Level Agreement Language for Electronic Services (Heiko Ludwig, Alexander Keller, Asit Dan, Richard King)
- I-DG: A Secure Protocol for Disseminating Data to Subscribers via IP Multicast (Aslihan Celik, JoAnne Holliday, Bindumadhavi Ramavarjula)
- Key Management and Access Control for Large Dynamic Multicast Group (Jing Liu, Mingtian Zhou)
- Characterization of E-Commerce Traffic (Udaykiran Vallamsetty, Krishna Kant, Prasant Mohapatra)

10:10-10:30 Break

10:30-12:30 Session 5: Industrial Session

Session Chair: Lucy Cherkasova

- B2B Integration Technology Architecture (Christoph Bussler, Oracle)
- Web Transaction Monitoring (Thomas Gschwini, Kave Eshghi, Pankay Garg, Klaus Wurster, HP)
- Dynamic Netvalue Analyzer - A Pricing Plan Modeling Tool for ISPs Using Actual Network Usage Data (Jorn Altmann, Lee Rhodes, HP)
- Proxy-Based Acceleration of Dynamically Generated Content on the World Wide Web: an Approach and Implementation (Anindya Datta, Kauhik Dutta, Debra VanderMeer, Helen Thomas Suresha, Kriti Ramamritham, Chutney)
- Clustering Web Accelerators (James Feenan, Patrick Fry, Ming Lei, Oracle)

12:30-1:50 Lunch

Keynote Address: "E-nabling the E-economy," Alan Karp, Hewlett-Packard Laboratories

1:50-3:10 Session 6: Wireless Infrastructure and the Web

Session Chair: Jen-Yao Chung

- Dynamic Refinement of Table Summarization for M-Commerce (Kun-Lung Wu, Shyh-Kwei Chen, Philip S. Yu)
- SmartClick: An Enabler for Human-Centered Wireless Web Service (Seong-ryong Kang, Hoh In, Wei Zhao)
- An Integrated Visual Framework for Human-Web Interface (Kang Zhang, Mao-Lin Huang, Kei-Chun Li)

3:10-3:40 Break

3:40-5:20 Session 7: E-Commerce Applications: Personalization and Recommendation

Session Chair: Ephraim Feig

- Mining Client-Side Activity for Personalization (Kurt D. Fenstermacher, Mark Ginsburg)
- Modular Content Personalization Service Architecture for E-Commerce Applications (Susanne Boll)
- Recommendation of Web Pages Based on Concept Association (Mingyu Lu, Yan Wang, Yuchang Lu, Lizhu Zhou)
- Mediator Systems in E-Commerce Applications (Alberto Pan, Juan Raposo, Manuel Álvarez, Paula Montoto, Vicente Orjales, Anastasio Molano and Ángel viña)