

CAiSE'03

The 15th Conference on
Advanced Information Systems Engineering
Velden, Austria, 16 - 20 June, 2003

Call for Participation

You are cordially invited to attend and participate in the 15th International Conference on Advanced Information Systems Engineering (CAiSE'03) to be held in Klagenfurt/Velden, Austria, June 16-20, 2003.

The Conference Theme "Information Systems for a Connected Society" is set forth in three invited talks by world renowned scientists:

Marek Rusinkiewicz on Self-Managing Large Scale Information Systems

Katja Sycara on Autonomous Semantic Web Services

Serge Abiteboul on Managing an XML warehouse in a P2P Context

In addition, the programme includes 45 high-quality technical papers, selected from 220 submissions, poster presentations, 2 panels, 9 workshops featuring on-going research, and 2 tutorials by international experts on topics such as:

Semantic Web, Web Services, Knowledge Management,
Ubiquitous Mobile Information and Collaboration Systems,
Decision Systems, Product Software, Requirements Engineering,
and more

Of course, the technical programme is not the only attraction of the conference. Velden is a well known resort town on the beaches of Lake Woerthersee, a major and fashionable tourist destination in southern Austria. Main attractions are the beautiful landscape of lakes, green hills and Rocky Mountains with numerous marked trails for hiking or climbing, all kinds of water sports and last but not least castles, churches, mansions, monuments....

The social program will include a boat trip on Lake Woerthersee and a banquet in a medieval castle. In addition there will be some offerings for trips in the adjoining weekends. We hope your stay will not only be scientifically rewarding but also enjoyable.

We are looking forward to seeing you at the conference.

Johann Eder
General Chair

Michele Missikoff
Programme Chair

Further information, including workshop invited speakers, will be posted on the conference web site

<http://www.isys.uni-klu.ac.at/caise03>

Registration

For registration, hotel and venue information, see the CAiSE'03 web pages at

<http://www.isys.uni-klu.ac.at/caise03>

As the holiday season will be starting, we recommend that you make flight and hotel reservations early. A bulk of hotel rooms has been reserved till May 1st, 2003.

The Venue

The Conference will take place in the Casineum in Velden near Klagenfurt, Austria. Velden is 25 km from the International Airport of Klagenfurt which offers direct flight connections to Vienna, London and Frankfurt. Transportation between the Airport and the Conference will be provided (see registration page). All hotels will be in walking distance to the conference venue.

Sponsors

University of Klagenfurt,	http://www.uni-klu.ac.at/
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ilogs - information logistics, Austria,	http://www.ilogs.at/

Preliminary Conference Program

Wednesday, June 18

9:00 - 9:30	Opening of CAiSE'03
9:30 - 10:30	Session 1: Key note presentation

M. Rusinkiewicz (USA)

"Towards Self-Managing Large Scale Information Systems"

11:00 - 12:30	Session 2 a: XML
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M. W. Vincent, J. Liu (Australia)

"Multivalued Dependencies and a 4NF for XML"

G. Wang, M. Liu (Canada)

"Query Processing and Optimization for Regular Path Expressions"

B. Benatallah, M. Mahdavi, P. Nguyen, Q. Z. Sheng, L. Port, B. McIver (Australia)

"An Adaptive Document Version Management Scheme"

Session 2 b: Methods & Models for Information Systems - I

H. Mouratidis, P. Giorgini, G. Manson (England)

"Integrating Security and Systems Engineering: Towards the Modelling of Secure Information Systems"

A. Cali, D. Calvanese, G. De Giacomo, M. Lenzerini, P. Naggar, F. Vernacotola (Italy)

"IBIS: Semantic Data Integration at Work"

J. Ralyte, R. Deneckere, C. Rolland (Switzerland, France)

"Towards a Generic Model for the Situational Method Engineering"

14:00 - 15:30

Session 3 a: UML

J. F. B. Castro, C. T. L. L. Silva, J. Mylopoulos (Brazil, Canada)

"Modeling Organizational Architectural Styles In UML"

M. E. Manso, M. Genero, M. Piattini (Spain)

"No-Redundant Metrics for UML Class Diagrams Structural Complexity"

M. Albert, V. Pelechano, J. Fons, M. Ruiz, O. Pastor (Spain)

"Implementing UML Association, Aggregation and Composition. A Particular Interpretation based on a Multidimensional Framework"

Session 3 b: Methods & Models for Information Systems - II

M. Nikolaidou, D. Anagnostopoulos (Greece)

"Exploring Web-based Information System Design: A Discrete-Stage Methodology and the Corresponding Model"

S. M. Embury, J. Shao (United Kingdom)

"Analysing the Impact of Adding New Integrity Constraints to Information Systems"

J. Kovse, W. Mahnke (Germany)

"Introducing Custom Language Extensions to SQL: 1999"

16:00 - 17:30

Session 4: Panel

Web Engineering - Software Crises 3rd ed.

18:00 - 20:00

CAiSE Forum

Thursday, June 19

9:00 - 10:30 **Session 5: Invited talk**

K. Sycara (USA):

"Autonomous Semantic Web Services"

11:00 - 12:30 **Session 6 a: Internet Business & Social Modeling**

R.J. Wieringa, H.M. Blanken, M.M. Fokkinga, P.W.P.J. Grefen (The Netherlands)

"Aligning Application Architecture to the Business Context"

D. K.W. Chiu, S.C. Cheung, H.F. Leung (China)

"A Three-tier View-based Methodology for Adapting Human-Agent Collaborative Systems towards a Connected Society"

G. Gans, M. Jarke, G. Lakemeyer, D. Schmitz (Germany)

"Deliberation in a Modeling and Simulation Environment for Inter-Org. Networks"

Session 6 b: Peer2Peer

W. Nejdl, M. Wolpers, W. Sibersiki, A. Löser (Germany)

"Information Integration in a Schema-Based Peer-To-Peer Network"

L. Galanis, Y. Wang, S. R. Jeffery, D. J. DeWitt (USA)

"Processing Queries in a Large Peer-to-Peer System"

K. Haller, H. Schuldt, H.J. Schek (Switzerland)

"Consistent Process Execution in Peer-to-Peer Information Systems"

14:00 - 15:30 **Session 7 a: Ontology-based Methods**

D. Damm, F. Hakimpour, A. Geppert (Switzerland)

"Translating and Searching Service Descriptions Using Ontologies"

N. Stojanovic (Germany)

"On the Query Refinement in the Ontology-based Searching for Information"

C. Tsinaraki, E. Fatourou, S. Christodoulakis (Greece)

"An Ontology-Driven Framework for the Management of Semantic Metadata describing Audiovisual Information"

Session 7 b: Advanced Design of Information System

R. Vdovjak, P. Barna, G.J. Houben (The Netherlands)

"Designing a Federated Multimedia Information System on the Semantic Web"

M. Saeki (Japan)

"Embedding Metrics into Information Systems Development Methods: An Application of Method Engineering Technique"

J. Gordijn, R. Wieringa (The Netherlands)

"A Value-Oriented Approach to E-Business Process Design"

16:00 - 17:30 **Session 8 a: Knowledge Management**

A. Olivé (Spain)

"Derivation Rules in Object-Oriented Conceptual Modeling Languages"

M. C. Norrie, B. Signer (Switzerland)

"Issues of Information Semantics and Granularity in Cross-Media Publishing"

S. W. Kim, C.W. Chung (Korea)

"Ranking Web Documents with Dynamic Evaluation by Expert Groups"

Session 8 b: Web Services

B. Benatallah, F. Casati, F. Toumani, R. Hamadi (Australia)

"Conceptual Modeling of Web Service Conversations"

V. Tasic, B. Pagurek, K. Patel, B. Esfandiari, W. Ma (Canada)

"Management Applications of the Web Service Offerings Language (WSOL)"

M.P. Papazoglou, J. Yang, B. J. Kraemer (The Netherlands)

"Leveraging Web-Services and Peer-to-Peer Networks"

Friday, June 20

9:00 - 10:30 **Session 9: Invited talk**

S. Abiteboul (France)

"Managing an XML warehouse in a P2P Context"

11:00 - 12:30 **Session 9 a: Panel**

Mobile Learning: Hypo or Awarding Challenge

Session 9 b: Data Warehouse

E. Saltarelli, S. Rizzi (Italy)

"View Materialization vs. Indexing: Balancing Space Constraints in Data Warehouse Design"

P. Vassiliadis, A. Simitsis, P. Georgantas, M. Terovitis (Greece)

"A Framework for the Design of ETL Scenarios"

F. Jouanot, N. Cullot, K. Yétongnon (Switzerland)

"Context Comparison for Object Fusion"

14:00 - 15:30

Session 10 a: Electronic Agreements & Workflow

V. De Antonellis, M. Melchiori, B. Pernici, P. Plebani (Italy)

"A Methodology for E-Service Substitutability in a Virtual District Environment"

W.J. van den Heuvel, H. Weigand (The Netherlands)

"Coordinating Web-Service Enabled Business Transactions with Contracts"

L. Xu, M. A. Jeusfeld (The Netherlands)

"Pro-active Monitoring of Electronic Contracts"

Session 10 b: Requirement Engineering

P. Donzelli, P. Bresciani (Italy)

"Goal Oriented Requirement Engineering - a Case Study in E-Government"

M. Kolp, P. Giorgini, J. Mylopoulos (Belgium, Canada)

"Organizational Patterns for Early Requirements Analysis"

A. Moreira, J. L. Fiadeiro, L. Andrade (Portugal)

"Evolving Requirements through Coordination Contracts"

16:00 - 17:30

Session 11 a: Metrics & Method Engineering

C. Rolland, C. Salinesi (France)

"Fitting Business Models to System Functionality-Exploring the Fitness Relationship"

X. Baril, Z. Bellahsene (France)

"Selection of Materialized Views: a Cost based Approach"

H. Zhang, S. Jarzabek, B. Yang (Singapore)

"Quality Prediction and Assessment for Product Lines"

Session 11 b: Agent Technologies and Advanced Environments

S. Spiekermann, I. Dickinson, O. Günther, D. Reynolds (Germany)

"User Agents in E-commerce Environments: Industry vs. Consumer Perspectives on Data Exchange"

M. Weiss (Canada)

"Pattern-Driven Design of Agent Systems: Approach and Case Study"

A. Brayner, J. A. M. Filho (Brazil)

"Sharing Mobile Databases in Dynamically Configurable Environments"

Conference Organisation

Organizer:

*Institut für Informatik-Systeme
Universität Klagenfurt, Austria
<http://www.isys.uni-klu.ac.at>*

General Chair:

Johann Eder, Universität Klagenfurt, Austria

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Panel&Tutorial Chairs:

*Hannes Werthner, Università degli Studi di Trento, Italy
Martin Hitz, Universität Klagenfurt, Austria*

Poster Chair:

Tatjana Welzer, Univerza v Mariboru, Slovenia

Workshop Chairs:

*Barbara Pernici, Politecnico di Milano, Italy
Roland Mittermeir, Universität Klagenfurt, Austria*

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