

CAiSE'02

The 14th Conference on Advanced Information Systems Engineering

Toronto, Canada, May 27 – June 1, 2002

Call for Participation



About the Conference

You are cordially invited to attend and participate in the 14th International Conference on Advanced Information Systems Engineering (CAiSE'02) to be held in Toronto, May 27-June 1. This is a special edition of the CAiSE conference series, being the first one to be held outside Europe.

To celebrate the occasion, we have worked hard to put together an exceptional technical programme, including keynote talks (see left) 42 high-quality technical papers, selected from 173 submissions, poster presentations, 8 workshops featuring on-going research, and 4 tutorials by international experts on topics such as: Web Applications, Web Services, Knowledge Management, Data Semantics, Ontologies, Requirements Issues, Data Integration, System Qualities, Workflows, and more.

For conference information, see the CAiSE'02 web pages at <http://www.cs.toronto.edu/caise02>

Tamer Ozsu (General Chair)

John Mylopoulos and Carson Woo (Programme Co-Chairs)

Keynote Talks

Michael Brodie (Verizon, USA)
The Grand Challenge in Information Technology and the Illusion of Validity

Matthias Jarke (RWTH Aachen, Germany)
Metadata and Cooperative Knowledge Management

Christopher Welty (IBM Watson Research Center, USA)
Ontology-Driven Conceptual Modeling

Tutorials

Fact-Oriented Modeling
Terry Halpin, Microsoft Corporation

The Application of Workflow Management Technology in Process-based B2B Integration
Christoph Bussler, Oracle Corporation

The Web-services phenomenon: Concepts Technologies Current Trends & Research Directions

Michael Papazoglou, Tilburg Univ., The Netherlands

Publish/Subscribe: Applications, Concepts, and Algorithms

H-Arno Jacobsen, University of Toronto, Canada

Workshops

Agent-Oriented Information Systems (AOIS'02)

<http://www.aois.org>

Goal-Oriented Business Process Modeling (GBPM'02)

<http://www.ibissoft.se/gbpm02/gbpm02.htm>

2nd Workshop on Data Integration over the Web (DIWeb'02)

<http://www.lirmm.fr/~bella/diweb02>

Workshop on e-services and e-business technology

<http://pcsiwa12.rett.polimi.it/~pernici/WSeBT/>

Design and Management of Data Warehouses (DMDW'2002)

<http://sunsite.informatik.rwth-aachen.de/Societies/DMDW/2002/>

Evaluation and Modeling Methods in Systems Analysis and Design (EMMSAD'02)

<http://www.ait.unl.edu/siau/conference/EMMSAD2002.htm>

E-Services and the Semantic Web (ESSW2002)

<http://www-db-out.bell-labs.com/essw2002/>

Doctoral Consortium

http://www.inf.fu-berlin.de/~hinze/caise02_DC/

Panels

Managing Web Content M. Tanniru (chair)

Web Information Systems Engineering T. Ozsu (chair)

Technical Programme

- Session 1: Developing Web Applications

J. Yang, M. P. Papazoglou (The Netherlands) *Web Component: A Substrate for Web Service Reuse and Composition*

L. Liu, E. Yu (Canada) *Designing Web-Based Systems in Social Context: A Goal and Scenario Based Approach*

R. Mohan, M. A. Cohen, J. Schiefer (USA) *A State Machine Based Approach for a Process Driven Development of Web-Applications*

- Session 2: Knowledge Management

A. A. Vaisman, A. O. Mendelzon, W. Ruardo, S. G. Cymerman (Argentina, Canada) *Supporting Dimension Updates in an OLAP Server*

J. Eder, C. Koncilia, T. Morzy (Austria, Poland) *The COMET Metamodel for Temporal Data Warehouses*

P. Liu, J. Curson, P. Dew (UK) *Exploring RDF for Expertise Matching Within an Organizational Memory*

- Session 3: Deployment Issues

K. Smolander, T. Päivärinta (Finland, Norway) *Describing and Communicating Software Architecture in Practice: Observations on Stakeholders and Rationale*

M. Huisman, J. Iivari (South Africa, Finland) *The Individual Deployment of Systems Development Methodologies*

Daqing Hou, James Hoover, Eleni Stroulia (Canada) *Supporting the Deployment of Object Oriented Frameworks*

- Session 4: Semantics of Information

T. Brasethvik, J.A. Gulla (Germany, Norway) *A Conceptual Modeling Approach to Semantic Document Retrieval*

Y. Stavarakas, M. Gergatsoulis (Greece) *Multidimensional Semistructured Data: Representing Context-Dependent Information on the Web*

Nick Papadopoulos, Dimitris Plexousakis (Greece) *The Role of Semantic Relevance in Dynamic User Community Management and the Formulation of Recommendations*

- Session 5: System Qualities

H. F. Lipson, N. R. Mead, A. P. Moore (USA) *Can We Ever Build Survivable Systems from COTS Components?*

H. M. Kim, M. S. Fox (Canada) *Towards a Data Model for Quality Management Web Services: an Ontology of Measurement for Enterprise Modeling*

M. Norrie, A. Palinginis (Switzerland) *A Modeling Approach to the Realization of Modular Information Spaces*

- Session 6: Integration Issues

A. Cali, D. Calvanese, G. De Giacomo, M. Lenzerini (Italy) *Data Integration Under Integrity Constraints*

H. Zhang, E. Stroulia (Canada) *Babel: An XML-based Application Integration Framework*

N. Aoumeur, G. Saake (Germany) *Integrating and Rapid-Prototyping UML Structural and Behavioural Diagrams Using Rewriting Logic*

- Session 7: Analysis and Adaptation

M. Benerecetti, M. Panti, L. Spalazzi, S. Tacconi (Italy) *Verification of Payment Protocols via Multi-Agent Model Checking*

G. Gans, G. Lakemeyer, M. Jarke, T. Vits (Germany) *SNet: A Modeling and Simulation Environment for Agent Networks Based on i* and CONGOLG*

H.-P. Paik, B. Benattallah, R. Hamadi (Australia) *Usage-Centric Adaptation of Dynamic E-Catalogues*

- Session 8: Retrieval and Performance

Jianguo Lu (Canada) *Reengineering of Database Applications to EJB-Based Architecture*

S. Lee, D. Kwon, S. Lee (Korea) *Efficient Similarity Search for Time Series Data Based on the Minimum Distance*

J. N.Wilson (UK) *A High-Performance Data Structure for Mobile Information Systems*

- Session 9: Requirements Issues

A. Leicher, F. Bubl (Germany) *External Requirements Validation for Component-Based Systems*

M. C. Leonardi, J. C. Sampaio do Prado Leite (Argentina, Brazil) *Using Business-Rules in Xtreme Requirements*

M. Kajko-Mattsson *Evaluating CM3: Problem Management*

- Session 10: Schema Matching and Evolution

J. Berlin, A. Motro (USA) *Database Schema Matching Using Machine Learning with Feature Selection*

C. Gomez, A. Olive (Spain) *Evolving Partitions in Conceptual Schemas in the UML*

P. McBrien, A. Poulouvassilis (UK) *Schema Evolution in Heterogeneous Database Architectures: A Schema Transformation Approach*

- Session 11: Workflows

I. Wetzel, R. Klischewski (Germany) *Serviceflow Beyond Workflow? Concepts and Architectures for Supporting Inter-Organizational Service Processes*

A. Fent, H. Reiter, B. Freitag (Germany) *Design for Change: Evolving Workflow Specifications in ULTRAflow*

W. M. P. van der Aalst, A. Hirnschall, H. M. W. Verbeek (The Netherlands) *An Alternative Way to Analyze Workflow Graphs*

- Session 12: Semantics and Logical Representations

Y. Li, L. Wang, X. S. Wang, S. Jajodia (USA) *Auditing Interval-Based Inference*

M. Liu (Canada) *A Logical Foundation for XML*

R. Vdovjak, G.-J. Houben (The Netherlands) *Providing the Semantic Layer for WIS Design*

- Session 13: Understanding and Using Methods

E. Söderström, B. Andersson, P. Johannesson, E. Perjons, B. Wangler (Sweden) *Towards A Framework for Comparing Process Modelling Languages*

N. Prakash, M. P. S. Bhatia (UK, India) *Generic Models for Engineering Methods of Diverse Domains*

Motoshi Saeki (Japan) *Role of Model Transformation in Method Engineering*

- Session 14: Modeling Objects and Relationships

M. Dahchour, A. Pirotte, E. Zimanyi (Belgium) *A Generic Role Model for Dynamic Objects*

D. Costal, M.-R. Sancho, E. Teniente (Spain) *Understanding Redundancy in UML Models for Object-Oriented Analysis*

A. Olive (Spain) *Representation of Generic Relationship Types in Conceptual Modeling*