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José Tribolet, INESC/IST - Technical University of
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François Vernadat, European Commission, Luxembourg

Merrill Warkentin, Mississippi State University, USA

Hans Weigand, Tilburg University,
The Netherlands

Roel Wieringa, University of Twente,
The Netherlands

KEYNOTE SPEAKERS

Kalle Lyytinen, Case Western Reserve University, USA

Thomas Greene, MIT, USA

Tom Gilb, Norway

Leszek Maciaszek, Macquarie University, Australia

Peri Loucopoulos, UMIST, UK

Jim Coplien, University of Manchester Institute of
Science and Technology, UK

TUTORIALS

Tom Gilb, Norway

Juan Carlos Augusto, University of Southampton, UK

Balbir S. Barn, Thames Valley University, UK

IMPORTANT DATES

Full Paper Submission: **31st October 2003**

Workshops Submission: **15th December 2003**

Author Notification: **15th December 2003**

Final Submission and Registration: **15th January 2004**

PREVIOUS ICEIS

ICEIS 2004 builds upon the success and prestige of previous editions. Please check about ICEIS'99, 2000, 2001, 2002 and 2003 at <http://www.iceis.org>

VENUE

Porto, located on the banks of the river Douro, is one of the oldest cities in Europe. With a population of about 300.000, it is the country's second most important city in terms of economic output and cultural influence. Porto made its name over two centuries ago because of its connection with the Porto wine industry. It was elected as "Porto 2001: European Capital of Culture" and recently designated by UNESCO as a World Heritage City, a fitting recognition not only for its granite sculpted beauty, but also for the unforgettable panorama of its historic centre with narrow streets and typical houses arrayed like a cascade right down to the river, and for its passionate history which determined the country's destiny. The city's symbols are the "Rabelo" boat, which can still be found docked on the banks of the river, the baroque Clérigos Tower (built by the Italian architect Nicolau Nasoni) and the century-old iron bridges, one of them designed by Gustave Eiffel. Porto is also at the heart of a knowledge and business intensive region, offering several universities and research institutes, which stimulate a strong connection with industry, the service sector and IT enterprises.

ORGANIZATION SECRETARIAT

Any inquiries should be addressed to the secretariat below, preferably by email.

ICEIS-2004 Secretariat

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*The School of Technology of
the Polytechnic Institute of Setúbal*



Portucalense University

ICEIS 2004



<http://www.iceis.org>

*6th International Conference on
Enterprise Information Systems*



CONFERENCE ANNOUNCEMENT

AND CALL FOR PAPERS

Porto - Portugal

14-17 April 2004

In cooperation with



TOPIC AREAS

Papers should address one or more of the listed topics, although authors should not feel limited by them. Unlisted but related topics are also acceptable.

AREA 1: Databases and Information Systems Integration

Coupling and Integrating Heterogeneous Data Sources
Enterprise Resource Planning
Middleware Integration
Legacy Systems
Organisational Issues on Systems Integration
Distributed Database Applications
Object-Oriented Database Systems
Enterprise-Wide Client-Server Architecture
Database Security and Transaction Support
Data Warehouses
Multimedia Database Applications
Web Databases
Mobile Databases
Software Engineering
Software Measurement

AREA 2: Artificial Intelligence and Decision Support Systems

Intelligent Agents
Industrial Applications of Artificial Intelligence
Strategic Decision Support Systems
Group Decision Support Systems
Applications of Expert Systems
Advanced Applications of Fuzzy Logic
Advanced Applications of Neural Network
Natural Language Interfaces to Intelligent Systems
Bayesian Networks
Evolutionary Programming
Coordination in Multi-Agent Systems
Intelligent Social Agents and Distributed Artificial Intelligence Applications
Intelligent Tutoring Systems
Datamining
Case-Based Reasoning Systems
Knowledge-based Systems Engineering
Knowledge Management

AREA 3: Information Systems Analysis and Specification

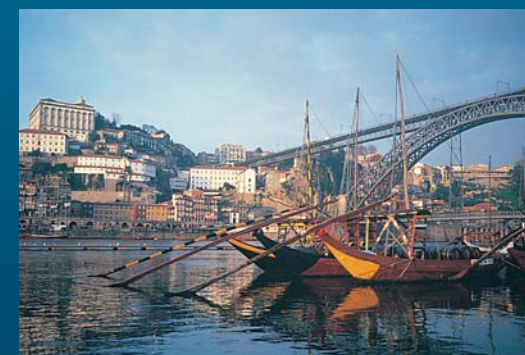
Systems Engineering Methodologies
Information Engineering Methodologies
Organisational Semiotics
Semiotics in Computing
Requirements Analysis
Ontology Engineering
Modelling Formalisms, Languages, and Notations (e.g. UML, ER variants)
CASE Tools for System Development
Modelling of Distributed Systems
Modelling Concepts and Information Integration Tools
Groupware and CSCW Systems Specification
Business Processes Re-engineering
Security, Freedom and Privacy

AREA 4: Software Agents and Electronic Commerce

B2B and B2C Applications
Process Design and Organisational Issues in e-Commerce
E-Procurement and Web-based supply chain management
Market-spaces: market portals, hubs, auctions
E-Learning and e-Teaching
Intranet and Extranet Business Applications
Agents for Internet Computing
Agent-Oriented Programming
Web Information Agents
Case studies on Electronic Commerce
Public sector applications of e-Commerce
Interactive and Multimedia Web Applications
Network Implementation Choices
Object Orientation in Internet and Distributed Computing
Internet and Collaborative Computing
Wireless and mobile computing
Semantic Web Technologies

AREA 5: Human-Computer Interaction

HCI on Enterprise Information Systems
Functional and non-functional Requirements
Internet HCI: Web Interfaces and Usability
Design Methodology and Cognitive Factors in Design
Multimedia Systems
Machine perception: vision, speech, other
Virtual Reality and Augmented Reality
Intelligent User Interfaces
User Needs
Human Factors
Accessibility to Disabled Users
Geographical Information Systems
E-Learning
Computer art



WORKSHOPS

- Pattern Recognition in Information Systems
- New Developments in Digital Libraries
- Wireless Information Systems
- Verification and Validation of Enterprise Information Systems
- Software Audit and Metrics
- Natural Language Understanding and Cognitive Science
- Business Information Technology Ethics
- Ubiquitous Computing
- Security In Information Systems
- Computer Supported Activity Coordination
- Web Services: Modeling, Architecture and Infrastructure

BOOK

A number of papers from ICEIS 2004 will be selected to be published in a book by Kluwer Academic Publishers.

SCOPE

The purpose of this 6th International Conference on Enterprise Information Systems (ICEIS) is to bring together researchers, engineers and practitioners interested in the advances and business applications of information systems. Five simultaneous tracks will be held, covering different aspects of Enterprise Computing, including Databases and Information Systems Integration, Artificial Intelligence and Decision Support Systems, Information Systems Analysis and Specification, Software Agents and Electronic Commerce and Human-Computer Interaction. ICEIS focuses on real world applications therefore authors should highlight the benefits of Information Technology for industry and services. Ideas on how to solve business problems, using IT, will arise from the conference. Papers describing advanced prototypes, systems, tools and techniques and general survey papers indicating future directions are also encouraged. Papers describing original work are invited in any of the areas listed above. Accepted papers, presented at the conference by one of the authors, will be published in the Proceedings of ICEIS. Acceptance will be based on quality, relevance and originality. There will be both oral and poster sessions.

CASE-STUDY SESSIONS

Special sessions, dedicated to case-studies and commercial presentations, as well as technical tutorials, dedicated to technical/scientific topics, are also envisaged: companies interested in presenting their products/methodologies or researchers interested in holding a tutorial are invited to contact the conference secretariat.