

Euro-American Conference on Telematics and Information Systems EATIS2006

Santa Martha, Colombia (South America)
February 7-10,2006

This conference is endorsed by the International Organization for Information Integration and Web-based Applications & Services (@WAS), and organized by Faculty of Systems Engineering, University UNAB-Colombia and Institute of Robotics, University of Valencia-Spain and supported by the Johannes Kepler University Linz-Austria , the Distributed Systems Group, Portsmouth University, UK and the University of Magdalena, Colombia.

In Technical cooperation with IEEE, ACM and The Brazilian Computer Society (SBC).

The main focus of the conference will be << Accessibility and Internationalisation of Web-based Information Systems>>

Aims

The aim of the conference is to actively promote academic collaboration between European and American universities. An important objective will be the dissemination of knowledge and experience related to the topics outlined in the main conference agenda. In particular, the conference will promote the relevant state-of-the-art technologies that can potentially provide key research directions to young researchers and new research groups. Another equally important aspect of the conference will be to focus on access to innovation as one of the essential first steps in the research process.

Conference Website: <http://robotica.uv.es/conf/eatis2006>

Mirror: <http://eatis2006.iivas.org/>

Publication of Papers

All accepted papers will be published in the conference proceedings. Authors of selected papers will be invited to submit extended paper, which will be further peer-reviewed, for potential inclusion in a special issue of an international journal – to be announced.

Topics

Topics include, but are not limited to, the following areas:

- 1 The Relationship between the Web and other computational areas

- 1.1 Software Engineering and Web Information Systems
- 1.2 Frameworks and software architectures for Web based-systems
- 1.3 Web-based Artificial Intelligence
- 1.4 Intelligent Agents and Web
- 1.5 Knowledge Acquisition and Representation on the Web
- 1.6 Information Retrieval and Filtering
- 1.7 Mathematical Foundations of web based systems
- 1.8 Data and Text Mining
- 1.9 Automatic Control web-based systems
- 1.10 Metrics Quality Assurance on the Web
- 1.11 Human Computer Interface and Modern User Interfaces
- 1.12 Usability

2. Web based Systems

- 2.1 (Semantic) Web Services
- 2.2 Automatic discovery of Web services
- 2.3 Methodologies and Choreography of Web services
- 2.4 Proof and Trust on the Semantic Web
- 2.5 Merging/Aligning/Combining Ontologies
- 2.6 Semantic web applications
- 2.7 Semantic interoperability
- 2.8 XML
- 2.9 Domain mark-up languages (XBRL, HR7, etc.)
- 2.10 Relational Databases/XML bridges
- 2.11 Native XML Databases
- 2.12 Vertical-Domain Applications (ITS, Healthcare, Law,etc.)

3. Distributed Systems

- 3.1 Middleware Systems for Grids and Cluster
- 3.2 Semantic Grid
- 3.3 Software tools for Cluster and Grids
- 3.4 Grid-based Problem Solving Environments
- 3.5 Computational and Information Grid Architectures and Systems
- 3.6 Scientific, Engineering, and Commercial Grid Applications
- 3.7 Programming Models, Tools, and Environments
- 3.8 Performance Evaluation and Modeling
- 3.9 Portal Computing / Science Portals
- 3.10 Distributed Artificial Intelligence
- 3.11 Multi-agent systems in information integration

4. Mobile Computing and Applications

- 4.1 Internet access and applications
- 4.2 Mobile Multimedia
- 4.3 Multi-modal architectures and applications
- 4.4 M-Commerce, M-Learning, M-Entertainment
- 4.5 Location Based Services
- 4.6 Data mining concepts for location based services

- 4.7 Security and privacy in location based services
- 4.8. GPS applications
- 4.9 MMS frameworks and architectures
- 4.10 In-car systems and GIS based systems
- 4.11 Video-conferencing and Tele-presence
- 4.12 Context aware applications
- 4.13 Adaptive filters for navigation and tracking

5. Protocols and Wireless and Networks

- 5.1 Protocols for Wireless and Mobile Internet
- 5.2 Performance evaluation of wireless networks
- 5.3 Wireless systems simulation
- 5.4 IPv6
- 5.5 Design methodologies for wireless systems
- 5.6 Quality of Service (QoS)
- 5.7 Security in sensor networks
- 5.8 Mobility management in next generation networks

6. Web Technologies and Society

- 6.1 Intellectual Rights
- 6.2 Web accessibility
- 6.3 Web Information systems for Disabled
- 6.4 Web internationalisation
- 6.5 Web information systems for citizens
- 6.6 E-Government, E-learning, E-Business
- 6.7 Electronic Bank
- 6.8 Biometrics techniques and privacy
- 6.9 Internet strategies based on the Internet
- 6.10 Videoconferencing and Tele-presence
- 6.11 Preservation of Digital Culture

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Submission Guidelines

The EATIS2006 conference invites research papers as well as proposals for panels, tutorials, and invited sessions.

The official language for the conference will be English. Simultaneous translation for the conference will be provided (depending on funding).

Please send two copies of your papers:

- One copy including authors' name and affiliation
- Another copy without this information

Full papers must be sent to the following email address:

full_papers@robotica.uv.es

Panels, Special sessions and Tutorial proposals must be sent to:

short_papers@robotica.uv.es

To submit the abstract please use the same email address.

Full papers must not exceed 4 pages whilst panels and special sessions proposals should be restricted to 3 pages. Papers must be formatted according to the author guidelines set down by IEEE computer society.

Tutorials, demos, and posters must conform to the format instructions outlined on the conference web site.

Submissions should be in PDF or MS Word formats.

All submitted papers will be peer-reviewed. Critical parameters will include originality, significance, relevance, technical soundness, and language clarity.

Important Dates

- October 17, 2005. Full Papers submission
- December 15, 2005. Panels, special sessions, tutorial proposals, short paper (posters) submission
- December 7, 2005. Full-paper acceptance notification
- December 30, 2005. Panels, special sessions tutorial short papers (posters) acceptance notification
- January 9, 2006 Camera-Ready Papers

Conference Location

EATIS2005 will take place in Santa Martha, Colombia. You will find travel, accommodation, recreation facilities, and visa and tourist information will be available on the conference web site.

Santa Marta General Information

<http://www.solarhoteles.com/web/scarhuaco/index.php?pid=1>
<http://www.en-directo.net/santamarta/santamarta.html>

Colombia General Information

http://www.turismocolombia.com/home_E.htm

About Hosting Universities

The University of Valencia is a Spanish public university created in 1496.

The Institute of Robotics leads the Intelligent Transport Systems in Spain, and represents Spain in European ITS scientific projects.

The University of UNAB (Universidad Autónoma de Bucaramanga) is a private Colombian University created in 1952, which is organized according to Colombian laws as a civil corporation and a non-profit educational establishment. The Systems Engineering Faculty is one of the five accredited Colombian faculties of Systems Engineering according with to the Accreditation program of Quality Control for Universities in Colombia.

Contact Information:

Please don't hesitate to contact us if you have any questions. For further inquiries please contact: eatis@uv.es