



**UNIVERSITY OF VALENCIA**

**Robotics Institute and Information Technology &  
Communications (IRTIC)**



<http://eatis.org/eatis2012/>

**EURO AMERICAN CONFERENCE ON TELEMATICS AND INFORMATION SYSTEMS**  
(Conferencia Euro-Americana de Telemática y Sistemas de  
Información)

**EATIS 2012 PROFILE**



EATIS 2012 - Euro American Conference on Telematics and Information Systems, Valencia, May 23th-25th, 2012.

## 1. Name, date and venue of the event

EATIS 2012 - Euro American Conference on Telematics and Information Systems  
Valencia , May 23 - 25, 2012

## 2. Organization Committee

### General Conference Chair

Dr. José Javier Samper Zapater - Universitat de València, UVEG, Spain

### Conference Co-chair

Dr. Juan José Martínez Durá - Universitat de València, UVEG, Spain

### EATIS.org Steering Committee

Dr. Carlos Ferraz, Federal University of Pernambuco, Brazil  
Dr. Eduardo Carrillo, Autonomous University of Bucaramanga, Colombia (President)  
Dr. Eva M<sup>a</sup> Méndez. U. Carlos III Madrid, Spain  
Dr. Gisela T. de Clunie, Technological University of Panama, Panama  
Dr. Ismail Khalil Ibrahim. U. Johannes Kepler, Austria  
Dr. Joaquim Arnaldo Martins, University of Aveiro, Portugal  
Dr. Justo Carracedo, U. Politécnica de Madrid, Spain  
Dr. Leila M. de Almeida e Silva, Federal University of Sergipe (UFS), Brazil  
Dr. Miroslav Svitek, Czech Technical University (CVUT) in Prague, Czech Republic  
Dr. Narciso Cerpa. Universidad. de Talca, Chile  
Dr. Patricio Serendero, University of Algarve, UALG, Portugal  
Dr. Rogerio P. Nascimento, Federal University of Amazonas (UFAM), Brazil (Scientific Director)  
Dr. Tomas Zelinka, Czech Technical University (CVUT) in Prague, Czech Republic

### EATIS.org Scientific Committee

The following table reflects the diversity of nationalities of the committee:



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Country	Count
Argentina	1
Austria	2
Brazil	16
Canada	2
Colombia	7
Congo	1
Czech Republic	2
Ecuador	1
Germany	1
Greece	1
India	1
Japan	1
Panama	4
Poland	1
Portugal	6
Russian Federation	1
Spain	28
United States	2
Venezuela	1

### 3. Organising Institution

Universitat de València (España) & EATIS.org – Euro-American Association on Telematics and Information Systems ( <http://eatis.org> )



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## 4. Presentation and history of the event, including topics of interest

EATIS'12: 6th Euro-American Conference on Telematics and Information Systems, will be held in Valencia (Spain) from May 23 to 25th, 2012. The last conferences were organised in Panama (2010), Czech Rep (2009), Brazil(2008), Portugal(2007) and Colombia(2006).

EATIS 2012 has the goal of promoting the academic and research collaboration among European and the American continent universities. In this way, provide state-of-the-art discussions that can motivate key research directions to young researchers and new research groups.

EATIS 2012 is being organized by the [University of Valencia](#) through the [Robotics Institute and Information Technology & Communications](#) and promoted by [EATIS.org](#) - Euro American Association on Telematics and Information Systems. EATIS 2012 is being organized with technical cooperation of the Information Systems. EATIS 2012 is being organized with technical cooperation of the [Autonomous University of Bucaramanga](#) (Colombia), [Federal University of Sergipe](#) (Brazil), [Technological University of Panama](#) (Panama) , [Catholic University of Colombia and its Faculty of Engineering](#), [Colombian Society of Computer Sciences](#) (SCo2), [ACM SIGAPP](#), IEEE and the sections [WIE](#), [IEEE Colombia](#) (IEEE Communications Society Colombia Chapter) and [IEEE Spain Joint Chapter on SP+COM](#). Other cooperating organizations are Vicerectorat d'Investigació i Política Científica de la Uiversitat de València, [ECTRI](#) (European Conference of Transport Research Institutes), [RITSI](#) (Asociación Nacional de Ingenieros Técnicos y Superiores de Informática), [Grupo Prisma](#), [ESAM Tecnología](#), [Colegio Oficial de Ingenieros en Informática de la Comunidad Valenciana](#)(COICV), [Delegación de Alumnos de la UPV](#) (DAUPV) , [Ayuntamiento de Valencia](#)



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(*Concejalía de Innovación, Sociedad de la Información, Proyectos Emprendedores y Juventud*) and the [càtedra de Telefónica- Universitat de València](#).

Official conference language will be English, Portuguese and Spanish. Short papers will be presented in panel/poster sessions in English but full papers will be presented in English or Spanish languages.

Thanks to the technical cooperation with the [ACM SIGAPP](#), all accepted papers will be published in the ACM Digital Library. Furthermore, due to EATIS 2012 is **Technically Co-Sponsored (TCS)** by IEEE ([IEEE conference database](#)), the conference proceedings will be published by [IEEE Xplore Digital Library](#).

Authors of the best 20/30 % papers will be invited to submit extended papers, which will be further peer-reviewed for potential inclusion in special issues of the following international journals:

[Journal of Mobile Multimedia \(JMM\)](#), [International Journal of Pervasive Computing and Communications \(IJPCC\)](#), [Revista Colombiana de Computación \(RCC\)](#), [International Journal of Web Information Systems \(IJWIS\)](#), [Journal of Theoretical and Applied Electronic Commerce Research \(JTAER\)](#), and [IEEE Latin America Transactions](#).

### **New Web Opportunities to increase Digital Citizenship**

EATIS 2012 aims, but are not limited to, the production of scientific work around e-Inclusion, e-Government, e-Health, e-Learning, e-Culture and e-Entertainment (local, regional, national and international), Web Semantic, and Web 2.0 communities, contents and technologies.

Submitted papers hopefully should deal with issues about transversal services and applications such as Convergence Digital, Electronic, Mobile and Ubiquitous Applications. They should be oriented towards community and cultural enhancement, to build knowledge and skills for



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work, to improve work quality, citizenship participation as well as consumer choice.

EATIS 2012 encourages the use of Information System (IS) and Information and Communication Technologies (ICT), allowing citizens a better participation at various levels of government and public services, as well as the ethics component in the use of services and technologies related to IS and ICT.

Furthermore, in this occasion, the conference includes, specially, a new issue which is concentrated in the subject of Intelligent Transportation System (ITS). This topic refers to efforts to add information and communications technology to transport infrastructure and vehicles in an effort to manage factors that typically are at odds with each other, such as vehicles, loads, and routes to improve safety, avoid congestions and reduce travel times, and fuel consumption.

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

1. Relationship between the Web Architecture and other computational areas
2. Web-based Systems
3. Distributed Systems
4. Mobile Computing and Applications
5. Protocols for Wireless and Mobile Networks
6. Web Technologies and Society

And preferably discussed areas of EATIS 2012

1. e-transport - specifically "[Intelligent Transport Systems](#)"
2. e-energy production and distribution
3. e-health care
4. e-government
5. e-learning





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## 5. Event webpage and e-mail contact

URL: <http://eatis.org/eatis2012>

Contact: [secretariat2012@eatis.org](mailto:secretariat2012@eatis.org) or [2012.chair@eatis.org](mailto:2012.chair@eatis.org)

## 6. Program Committee

### Program Committee Chair

- Dr. Vicente Ramón Tomás López, Universitat Jaume I, UJI, Castellón, Spain

### Program Committee Co-Chairs

- Dr. Jesús V. Albert Blanco, Universitat de València, UVEG, Spain
- Dr. Vicente Cerverón Lleó, Universitat de València, UVEG, Spain
- Dr. Fco José Mora Gimeno, Universitat d'Alacant, UA, Spain
- **(Publication Chair)** Dr. Marta Pla Castells, IRTIC, UVEG, Spain

## 7. Format and deadlines for submission of articles

- September 15th, 2011. Tutorial and Seminars proposals deadline
- October 15th, 2011. Tutorial and Seminars acceptance notification
- November 8th, 2011. Short and Full Papers deadline
- February 8th, 2012. Short and Full Papers acceptance notification
- March 1st, 2012. Invited Papers notification
- March 8th, 2012. Camera-Ready Papers and Early Registrations deadline
- April 8th, 2012. Late Registrations deadline
- **May 23th-25th, 2012. Conference Days**

Proposals and papers must be formatted according to the author guidelines set down by ACM. The ACM SIG Proceedings Templates are available locally at [EATIS 2012 Proceedings Format](#) or at [official site for ACM Proceedings Format](#). Submissions files should be in PDF or MS Word formats.



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## 8. Historical Statistics of the EATIS.org Conferences.

	<a href="#">2006.co</a>	<a href="#">2007.pt</a>	<a href="#">2008.br</a>	<a href="#">2009.cz</a>	<a href="#">2010.pa</a>
<i>submitted papers</i>	55	138	112	80	102
<i>accepted full papers</i>	27	51	25	35	37
<i>accepted short papers</i>	12	24	22	15	13
<i>invited papers</i>	4	10	10	12	10
<i>approved full papers</i>	49%	37%	22%	44%	36%
<i>key note speakers</i>	2	3	3	2	6
<i>venue attendees</i>	40	120	280	50	221

## 9. Current Data from the EATIS 2012.

Currently expected number of participants exceeds 180, divided between listeners and speakers. The greatest thickness is Panama abroad whose delegation will be composed of 23 students and 32 teachers.

The Stats of the papers have been the following:

- Received: 95
- Accepted: 67
  - Full Papers: 42
  - Short papers: 25

The following table shows the origin of the articles:

Country ▼	Count
Argentina	2
Brazil	26
China	1





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Colombia	18
Czech Republic	1
Greece	2
India	1
Iran, Islamic Republic Of	6
Norway	1
Pakistan	1
Panama	6
Portugal	1
Romania	1
Spain	17
Sri Lanka	1
Thailand	1
Turkey	3
United States	1
Venezuela	3
Otros	2

# 10. Final Agenda

## EATIS 2012 AGENDA

	Wednesday, 23 <sup>rd</sup>	Thursday, 24 <sup>th</sup>	Friday, 25 <sup>th</sup>
9:00	<u>Desktop Registration</u>	<u>Poster Session</u> Chair Dr. Marta Pla Castells, U. de València, SPAIN	
10:00	<u>Opening Session</u>	<u>Invited Keynote Talk</u>	<u>Invited Keynote Talk</u>
10:20	<b>Web Technical &amp; Information Session</b> Chair Dr. J. Javier Samper, U. de València, SPAIN <b>ID 50 - SiSPED 2.0: An Extension of a System to Monitor Diabetic Patients</b> <i>Speaker</i> Leila Maciel de Almeida e Silva, U. Federal de Sergipe, BRAZIL	<b>Imagining the Future: Technology Innovation in the Internet Age</b> <i>Keynote Speaker</i> Robert H'obbes' Zakon, Zakon Group, USA	<b>Trends in Traffic Management for an Integrated and Sustainable Transportation System of Tomorrow</b> <i>Keynote Speaker</i> Dr. Reinhard Pfliegl, OVN Scientific Council, AUSTRIA
10:40	<i>Coffee-break</i>	<i>Coffee-break</i>	<i>Coffee-break</i>
	<b>Web Technical &amp; Information Session</b> Chair Dr. Carola Jones, U. Nacional de Córdoba, ARGENTINA	<b>Distributed Systems Session</b> Chair Dr. Francisco José Mora Gimeno, U. de Alicante, SPAIN	<b>Intelligent Transport Systems Session</b> Chair Francisco Soriano, U. València, SPAIN
11:00	<b>ID 68 - Analysis of Electronic and Telematic Voting Systems in Binding Experiences</b> <i>Speaker</i> Emilia Perez Belleboni, U. Politécnica de Madrid, SPAIN	<b>ID 16 - Analysis of the benefits and constraints for the implementation of Cloud Computing over an EHRs system</b> <i>Speaker</i> Isabel De La Torre-Diez, U. de Valladolid, SPAIN	<b>ID 66 - Acquisition, filtering and toll data processing system for obtaining origin-destination matrix and travel times on highways</b> <i>Speaker</i> Ramón V. Cirilo Gimeno, U. de València, SPAIN
11:20	<b>ID 67 - Collaborative Learning in Education: a Scenario of Research in Brazil (1999-2010)</b> <i>Speaker</i> Elaine dos Reis Soeira, U. Federal de Sergipe, BRAZIL	<b>ID 58 - Methodology and Framework for the Development of Scientific Applications with High-Performance Computing through Web Services</b> <i>Speaker</i> Javier Corral García, CénitS, SPAIN	<b>ID 73 - Wireless Sensor Networks and Service-Oriented Architecture, as suitable approaches to be applied into ITS</b> <i>Speaker</i> Luis Felipe Herrera-Quintero, U. Católica de Bogotá, COLOMBIA
11:40	<b>ID 97 - Technology Management Model for Venezuelan Municipalities</b> <i>Speaker</i> Manuel José Rosa Ramos, U. de Oriente, VENEZUELA	<b>ID 21 - A protocol for fast recovery on mesh networks using a multi-topology approach</b> <i>Speaker</i> Paulo Victor de Almeida Pinheiro, U. Estadual do Ceará, BRAZIL	<b>ID 70 - Integral Logistic Management Platform for Transports</b> <i>Speaker</i> Alfonso Picón Torres, U. de Valladolid, SPAIN
12:00	<b>ID 96 - An Approach to the Risk Analysis of Diabetes Mellitus Type 2 in a Health Care Provider Entity of Colombia Using Business Intelligence</b> <i>Speaker</i> Angela María Franco Pérez, U. Nacional de Colombia, COLOMBIA	<b>ID 57 - A Multi-Agent System for Obtaining Origin/Destination Matrices on Intelligent Road Networks</b> <i>Speaker</i> Rafael Tornero, U. de València, SPAIN	<b>ID 11 - Route Guidance Systems: Review and Classification</b> <i>Speaker</i> Mohammad Khanjary, Islamic Azad U., IRAN



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	Wednesday, 23 <sup>rd</sup>	Thursday, 24 <sup>th</sup>	Friday, 25 <sup>th</sup>
12:40	<b>ID 94 - Modeling Techniques for Extraction Transformation and Load Process: a Critical Review</b> <i>Speaker</i> Ernesto A. Galvis L, U. del Magdalena, COLOMBIA	<u>Invited Talk</u> <b>nQuest: a Flexible Multi-device Platform for Online and Offline Surveys, Integration and Distribution.</b> <i>Speaker</i> Vicente Llorens Benlloch, LISITT, U. de València, SPAIN	<u>Invited Talk</u> <b>Xpose: an Extensible Architecture for Traffic Applications</b> <i>Speaker</i> Leo van den Berg, ESAM S. L., SPAIN
13:00	<i>Lunch</i>	<i>Lunch</i>	<u>Closing Session</u>
14:30	<u>Invited Keynote Talk</u> <b>Specific role of telecommunications in Intelligent Transport Systems</b> <i>Keynote Speaker</i> Dr. Tomas Zelinka, Czech Technical University in Prague, CZECH REPUBLIC	<u>Web-based Systems Session</u> <i>Chair</i> Emilia Perez Belleboni, U. Politécnica de Madrid, SPAIN	
14:50		<b>ID 35 - iSeS: Intelligent Semantic Search Framework</b> <i>Speaker</i> Dilina Fernando, U. of Moratuwa, SRI LANKA	
15:10	<u>Wireless &amp; Mobile Network Session</u> <i>Chair</i> Dr. Santiago Felici Castell, U. de València, SPAIN	<b>ID 107 - Adding Semantics to Cloud Computing to Enhance Service Discovery and Access</b> <i>Speaker</i> Francisco Garcia Sánchez, U. de Murcia, SPAIN	
15:30	<b>ID 22 - Routing Characterization in Volatile Connectivity Environments</b> <i>Speaker</i> Jaime Galán-Jiménez, U. de Extremadura, SPAIN	<b>ID 15 - A Web-based application for QoS Measurement of an EHRs System using Exploratory Factor Analysis (EFA)</b> <i>Speaker</i> Isabel De La Torre-Díez, U. de Valladolid, SPAIN	
15:30	<b>ID 34 - MAC-OLSR: Improving OLSR Protocol in Mesh Networks using Multiple Metrics</b> <i>Speaker</i> Jose Vigno Sousa, U. Estadual do Ceará, BRAZIL	<b>ID 29 - ERLab: A Middleware for Remote Access Electronic Laboratories</b> <i>Speaker</i> Admilson Ribeiro, U. Federal de Sergipe, BRAZIL	
15:50	<b>ID 55 - Field Variables Monitoring in Real Time (GPS, Soil Moisture, Temperature) with Precision Farming Applications</b> <i>Speaker</i> Fabian Rolando Jimenez Lopez, U. Santo Tomas, COLOMBIA		



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**AJUNTAMENT DE VALÈNCIA**

## EATIS 2012 AGENDA

	Wednesday, 23 <sup>rd</sup>	Thursday, 24 <sup>th</sup>	Friday, 25 <sup>th</sup>
16:10	<i>Coffee-break</i>	<i>Coffee-break</i>	
	<b><u>Web Architecture &amp; Others Areas Session</u></b> <i>Chair</i> Dr. Luis Felipe Herrera Quintero, U. Católica de Colômbia, COLOMBIA	<b><u>Mobile Computer &amp; Applications Session</u></b> <i>Chair</i> . Leo van den Berg, ESAM S. L., SPAIN	
16:30	<b>ID 85 - SIS-M: Web Assist System to the Choice of Educational Activities, with Real Time Localization, for Helping the Inclusive Education</b> <i>Speaker</i> Lorena Taberner Roca, U. de València, SPAIN	<b>ID 86 - u-Lab: a Ubiquitous Computing based architecture to labs works using Wireless Sensor Network and Radio-Frequency Identification</b> <i>Speaker</i> Wellington Sarmento, U. Federal do Ceará, BRAZIL	
16:50	<b>ID 18 - A system to help the teaching of Pharmaceutical Care</b> <i>Speaker</i> Elisa Menendez, U. Federal de Sergipe, BRAZIL	<b>ID 40 - Semantic Infrastructure System with Feedback: Application on Traffic</b> <i>Speaker</i> David Torres Garrigós, U. de València, SPAIN	
17:10	<b>ID 25 - Ubiquitous Low-Cost Sports Training System for Athletes</b> <i>Speaker</i> Joaquín D. García Pérez, U. de Alicante, SPAIN	<b>ID 75 - Automated Feeding of POI Base for the Generation of Route Descriptions</b> <i>Speaker</i> Rafael Telles, U. Federal de Sergipe, BRAZIL	
17:30	<b>ID 37 - aRDF: A Plugin to Expose RDFa Semantic Information Using Grails</b> <i>Speaker</i> Marco Pereira, U. de Aveiro, PORTUGAL	<b>ID 31 - Developing an Android based Learning Application for Mobile Devices</b> <i>Speaker</i> Gisela T. de Clunie, U. Tecnológica de Panamá, PANAMA	
17:50	<b>ID 65 - Organizing Personal Web 2.0 Content with Hypersea</b> <i>Speaker</i> Georgios Styliaras, U. of Western Greece, GREECE		
18:10	<b>ID 76 - Data Mining in the Process of Localization and Classification of Subcortical Structures</b> <i>Speaker</i> Pablo Guillen, U. of Texas, USA		
18:30	<b>ID 100 - Exploring the Interactivity for Citizenship Applications in the Brazilian Digital Television System</b> <i>Speaker</i> Joao Benedito dos Santos Junior, Pontifical Catholic U. of Minas Gerais, BRAZIL		
21:00		<i>Gala Dinner</i>	



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