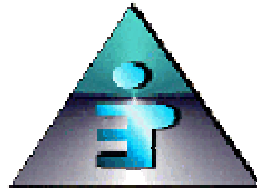




## CALL FOR PAPERS: CAEPIA'05



Selected Papers in:



16-18 DE NOVIEMBRE DE 2005



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[www-gsi.dec.usc.es/caepia05](http://www-gsi.dec.usc.es/caepia05)

### Summary

The Conference of the Spanish Association for Artificial Intelligence (CAEPIA) is the forum where the research community working on AI meets together to present and discuss their research and developments. The 11th Conference will be held in Santiago de Compostela, on November 16-18, 2005 and it is organized by both University of A Coruña and University of Santiago de Compostela. CAEPIA'05 will include tutorials and workshops on specific topics (November, 14-15).

As in previous editions, held every two years, CAEPIA'05 will include invited lectures, scientific paper presentations, on-going research, system demonstrations, tutorials and workshops on specific topics. The goals of the Conference will be to create conditions for researchers to disseminate their research work, to strengthen the relationships among the AI research groups, and to facilitate the contact between new researchers and consolidated groups. Submissions of contributing, original and previously unpublished work are invited in all areas of Artificial Intelligence.

### Topics of Interest

The conference covers all topics of AI, including the following:

- AI foundations. Knowledge representation.
- Machine learning. Knowledge discovery. Data mining.
- Evolutionary computation.
- Neural networks. Neuro-symbolic integration.
- Robotics. Perception and vision. Pattern recognition.
- AI architectures. Multiagent systems. Distributed AI. Ubiquitous computing.
- Reactive control. Real time AI.
- Knowledge engineering. Knowledge management.
- Ontologies. Knowledge acquisition. Knowledge reuse. Verification and validation.
- Decision support systems.



- Semantic web.
- Model based reasoning, Qualitative reasoning, Causal reasoning, Abductive reasoning, Case based reasoning.
- Non-monotonic reasoning. Belief Revision.
- Approximate reasoning. Bayesian reasoning.
- Constraint satisfaction. Planning and scheduling. Optimization. Temporal reasoning. Spatial reasoning.
- AI applications. AI for diagnosis, configuration and design. AI in education.
- Natural language processing.
- Intelligent interfaces. User models. Multimodal interfaces. Collaborative agents.
- Intelligent multimedia. Virtual reality. Augmented reality.

## *Submissions*

Submitted paper must no be longer than 10 pages, which will be presented in ~20 minutes. They must consist of original, relevant and previously unpublished sound research results related to any of the topics of the conference.

Additionally, PhD students are invited to present the topic as well as the state-of-art of their research, in order to obtain feedback from a panel of experts. The length of these papers should be no longer than 4 pages.

Submitted papers must be written in Spanish or English and must be formatted in LNCS format (see [www.springer.de/comp/lncs/authors.html](http://www.springer.de/comp/lncs/authors.html) for details). Papers should be submitted electronically in PDF format via the following link:

[quijote.dif.um.es/~caepia05](http://quijote.dif.um.es/~caepia05)

At least one author of each paper must register for the conference before the early registration deadline. The acceptance of the paper implies its oral presentation at the conference.

## *Publication*

All accepted papers will be published in the conference proceedings which are edited by the organization (with ISBN).

A selection of the best papers presented at the Conference will be published in a volume of the Springer Verlag series Lecture Notes in Artificial Intelligence ([www.springer.de/comp/lncs](http://www.springer.de/comp/lncs)). These papers will be subject to a strict selection and reviewing process by the International Program Committee.



## *Awards*

As a recognition of the research work, there will be awards to the best paper, the best on-going research (Doctoral Consortium) and the best application.

## *Workshops*

The goal of the workshop program is to provide a forum where new research can be presented in a more focused way. Also it is an ideal place for PhD. Students, young researches or new practitioners, in order to obtain feedback from specialists in the field.

People interested in organizing a workshop within the conference are kindly invited to send a proposal description before May 13th 2005, including:

1. Title
2. Brief description (up to 1.000 words/two pages), goal and topics
3. Organizers, program committee, selection process, planned activities and potential number of participants.
4. Workshop format, reviewing process and estimated number of attendees.

## *Tutorials*

We invite interested people to send proposals of tutorials before May, 13th 2005. The proposals are opened to new formats in order to allow the combination of traditional tutorials with other activities, such as Discussion Rooms and Panel Sessions. Further details can be found in the "Tutorials" section at the Conference website.

Proposals for tutorials should contain:

- A brief description of the tutorial, including: goals, justification of why the tutorial is important, detailed program, required support and resources (hardware, software, Internet connection, etc.), background knowledge required and targeted audience.
- Information about the tutorial speakers including name, address, affiliation, email, phone, and a brief Curriculum Vitae, including background in the tutorial area, previous experience and publications related to the tutorial topic.
- A list of the support material to be given to tutorial attendees. Together with the slides used for the presentation, having a technical paper describing the content of the tutorial is strongly advised



## *Promotion of the enterprise and publishing innovating activity*

The organization invites companies of the informatics area, including publishers, to take advantage of the opportunity to promote their products or services by means of their presentation or demonstration in CAEPIA 2005.

The exchange with the academic and research community will be an excellent opportunity to gain the attention of decision makers, and those that influence purchasing and products dissemination. The synergy generated between commercial and academic participants can act as a catalyst for new collaborations, joint projects and new enterprises. A special session will be dedicated in CAEPIA to those promotions.

In addition, any company related to educational and research activities in informatics, such as publishers, will have the chance to exhibit books, journals and any other publications. Exhibition spaces will be provided in the area dedicated to the Conference sessions. Further details can be found in the “Invitation to exhibit” section at the Conference website.

To take advantage of the opportunity of promotions in the special session, to reserve a booth in the exhibition area, or if more details are required, please contact:

Prof. José Santos Reyes

Facultad de Informática  
University of A Coruña  
telf: +34 981 167000 x 1257  
[santos@udc.es](mailto:santos@udc.es)

## *Important Dates*

### **Paper Submissions:**

Scientific papers on the conference topics must be submitted electronically at the official web site:

- Paper submissions deadline: June 10
- Acceptance notification: September 9
- Final version submission: September 30

### **Workshops:**

- May 13, deadline for workshop proposals.
- May 20, notification of workshop acceptance.
- May 27, deadline for workshop submissions.
- September 16, notification of workshop submission acceptance.
- October 14, final version of workshop paper submissions deadline.
- Workshops dates: November 14-15.

### **Workshops Chair:**

Richard José Duro Fernández, University of A Coruña ([richard@udc.es](mailto:richard@udc.es))



**Tutorials:**

- May 13, deadline for tutorial proposals.
- May 20, Notification of tutorial acceptance.
- Tutorials dates: November 14-15.

**Tutorial Co-chairs:**

Manuel Lama Penín – University of Santiago de Compostela, (lama@dec.usc.es).  
Eduardo M. Sánchez Vila, University of Santiago de Compostela, (teddy@dec.usc.es)

**Early registration deadline:** Early October

## *Organizing Committee*

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Alberto J. Bugarín Diz, University of Santiago de Compostela (Spain)  
José Santos Reyes, University of A Coruña (Spain)

**Workshop Chair:**

Richard José Duro Fernández, University of A Coruña (España)

**Tutorial Co-chairs:**

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Eduardo M. Sánchez Vila, University of Santiago de Compostela (Spain)

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