Call for papers, demos and posters

22nd national conference on Knowledge Engineering (22èmes Journées francophones d'Ingénierie des Connaissances) will be held in Chambery from 17th to 20th of May 2011 within the AFIA platform in Artificial Intelligence.

Organized every year since 1997 by the Gracq (Group of Research in Knowledge Acquisition), the IC conference constitutes a place of exchanges and reflections of the French-speaking Knowledge Engineering community. The development of the Sciences and Technologies of Information and Communication, in particular Web technologies, in the whole society engenders transformations in the individual and collective practices. The Knowledge Engineering techniques accompany this evolution, by inventing the theories, the methods and the tools allowing the integration of the "knowledge" dimension in computing environments where the plasticity and the capacity to integrate the activities become cardinal virtues.

Knowledge Engineering models are renewed and integrate more and more the dynamic dimension of the computer-based activities and to the massification of the practices. The conference is the opportunity to confront the theories, the models, the methods, the tools, the observations of the practices bound to these evolutions and which will allow to go farther.

Knowledge Engineering is directly connected to the more general process of Knowledge Discovery, a process associating the human being and the IT environment. This process is achieved according to modalities which are invented at an accelerated rhythm with WEB which gradually stands out as a unique environment associating computing resources and humans in networks.

The organization of IC2011 and CAP2011 on the same platform is the occasion to give a particular relief to these aspects of knowledge construction to allow mechanisms of inference for giving a proactive and controlled behaviour to the IT environment when mobilized for human activities. The human activities, in turn, built themselves on the thread between what is already established and what is currently built in order to move forward.

Call for papers

The authors are invited to present long articles, short articles, posters and demonstrations.

Long papers (16 p, 20 mn speech, 10 mn discussion)

For accomplished works with validated results or for detailed surveys on a particular subject of interest for the community.

Short papers (8p, 10 mn speech, 5 mn discussion)

Research works in progress or at the stage of partial results or applied works are concerned. This type of submission corresponds to innovative quality works, but the maturity of which does not allow complete elaborations and definitive conclusions.

Posters (3p, interactive presentation during specific sessions)

The works which start, the first results of young researchers. Posters are intended to trigger the discussion within the community in order to accompany at best the starting up of the presented works.

Demonstrations (3p, interactive presentation during specific sessions)

One or several sessions of demonstrations will be organized to allow the teams to present their developments (models, prototypes, finalized tools, but also industrial and operational applications).

Demonstrations can be directly issued from a communication (research or application). The demonstrations can be published on the web site in the formats .wmv or .avi. (please provide them).

Submission format

The authors are invited to respect the model of document proposed by the conference, and to consult the instructions of submissions at the following address:
http://ic2011.liris.cnrs.fr/site/doku.php?id=appelcom#format_de_soumission

The accepted papers will be published in electronic version and available on an USB key distributed to the participants of the conference. Furthermore, printed proceedings will be distributed to all attendees.

Important dates

- Deadline for papers, posters and demonstrations submission : **23 January 2011**.
- Author notification : **6 Marsh 2011**.
- Camera ready due : **20 Marsh 2011**.
- Conference : **17 to 20 May 2011**.

Useful links

- IC 2011 website: http://ic2011.liris.cnrs.fr
- AFIA Platform site: http://www.afia-france.org/tiki-index.php?page=plate-forme+AFIA+2011

Themes of IC 2011 (Not exhaustive list)

- Knowledge models: designing, reusing, updating, evaluating, exploiting, etc.
- Ontologies : types of ontologies, integration and alignment, reference ontology's uses, etc.
- Management of the dynamics of ontologies (building, gathering ontologies, managing time and space, etc.).
- Knowledge representation
- Knowledge Processing and Reasoning
- Knowledge acquisition from texts.
- Interactive knowledge discovery within data, historics, interactions, on the web, etc.
- Semantic web
- Social web
- Knowledge and social networks
- Engineering for Knowledge Based Systems
- Inference and business rues: acquisition, design, reuse, update, evaluation, exploitation
- Interactions design and interfaces for Knowledge Based Systems
- Knowledge visualisation
- Applications: health, industry, education, services, etc.
- Collaborative activities, collective and distributes practices
- Theoretical developments and interdisciplinary works in Knowledge Engineering
- Knowledge management with knowledge engineering