QR2011 JULY 16-18, BARCELONA

IMPORTANT DATES

SUBMISSION
MARCH 30, 2011
NOTIFICATION
MAY 6, 2011
CAMERA READY COPIES
MAY 20, 2011
EARLY REGISTRATION DEADLINE
MAY 20, 2011

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co-located with the IJCAI-11 conference in Barcelona

25th International Workshop on Qualitative Reasoning

Qualitative Reasoning is a research area at the interface of Artificial Intelligence, Cognitive Science and Engineering Sciences. Its main objective is to model real-world systems that have continuous aspects about which we only have incomplete, qualitative knowledge. Humans are amazingly effective at working with such knowledge, and many science, engineering and educational applications could benefit greatly from similar capabilities. In seeking to understand the ability to reason qualitatively, QR combines the quest for fundamental understanding of effective reasoning about systems and new ways to supplement conventional modelling, analysis, diagnosis and control techniques to tackle real-world applications. On this occasion, the conference will be organised by the Research Group on Knowledge Engineering (GREC).

The main goal of this conference is to present and discuss the latest contributions to Qualitative Reasoning. The secondary objective is to forge links among researchers from different universities and research groups around the world.

The 25th International Workshop on Qualitative Reasoning will be held at the Residencia d'Investigadors in the centre of Barcelona from 16th to 18th July 2011. It will be co-located with the 22nd International Joint Conference on Artificial Intelligence IJCAI-11, which will also be held in Barcelona, from 19th to 22nd July.

The 25th edition of the International Workshop on Qualitative Reasoning (QR2011) will bring together the following research interest domains:

TOPICS

• Development of algorithms and systems for constructing, simulating, and applying qualitative and semi-quantitative models
• Study, from a cognitive modeling perspective, how humans represent and use incomplete knowledge
• Development of methods for system modeling, explanation, diagnosis, and design, with applications in science, engineering, business and education.

SUBMISSION DETAILS

All papers must be submitted via the QR2011 submission web site. All submissions should be formatted according to the IJCAI-11 guidelines, must be in PDF format and can be one of the following types:

Full Paper: Not to exceed 6000 words, excluding references.

Poster: Not to exceed 6000 words, excluding references.

Brief Ideas/Viewpoints: Exactly one page in the workshop format..

Review Process. All submissions will be selected according to their quality, significance, originality, and potential to generate discussion. Each contribution will be reviewed by at least two referees from the QR2011 Program Committee.

Submission to Conferences or Journals. The accepted papers will be published as a collection of Working papers. As QR2011 is a workshop, not a conference, submission of the same paper to conferences or journals is acceptable. The workshop is also open to people who would like to attend without submitting a paper or a poster.

www-ma2.upc.edu/qr11