

Foreword

Qualitative Reasoning (QR) is a research area at the interface of Artificial Intelligence, Cognitive Science, Engineering and Science. 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 modeling, analysis, diagnosis and control techniques to tackle real-world applications. On this occasion, the conference will be organized 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 takes place in Barcelona from 16th to 18th July 2011, co-located with the 22nd International Joint Conference on Artificial Intelligence IJCAI-11.

All the papers collected in this volume will be of interest for the QR scientific community. The papers have been selected after a triple blind review process carried out by the Program Committee. We would like to express our gratitude to all who made this workshop possible:

- The authors, for their valuable contributions.
- The Program Committee, for their careful reviewing.
- The Spanish Ministry of Science and Information Technology, the BarcelonaTECH University (UPC), in particular to the Mathematics and Statistics School and the Department of Applied Mathematics 2, ESADE Business School, Ramon Llull University, and to the Mathematics Catalan Society.
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