QR 2011
16 -18 July, 2011::: Residencia d'Investigadors, **Barcelona (Spain)**
http://www.qrg.northwestern.edu/papers/Files/qr-workshops/QR2011/
Welcome.html

9.00h — 9.30h	**Registration** & **Coffee**
9.30h -10.30h	**Guest Conference - Prof. De Kleer: "Engineering Design: A new (old) challenge for qualitative reasoning"**
10.30h -11.00h	**Coffee Break**
11.00h -13.00h	**Session 1(4 papers)** Maria Chang, Jon Wetzel and Ken Forbus Qualitative and Quantitative Reasoning over Physics Textbook Diagrams Peter Struss and Alessandro Fraracci **FMEA** of a **Braking** System - A **Kingdom** for a **Qualitative Valve Model!** **Gal Kaminka and Natalie Fridman** **Using Qualitative Reasoning** for Social Simulation of Crowds: A Preliminary Report **Kamal Kansou and Bert Bredeweg** Hypothesis assessment with qualitative reasoning: modelling a periodic spring
13.00h — 14.30h	**Lunch Break**
14.30h — 15.30h	**Presentation - Session of Posters** Llorenc Rosello, David Garcia, Nuria Agell, Monica Sanchez and Francesc Prats Using Qualitative Reasoning to Model Users Profiles: An Approach to Movie Recommendations Adriano **Souza,** Isabella Sa, Alexandre Portella, Pedro **Aquino, Pedro Costa** E **Silva, Luiz** Wilhelms **and Paulo Salles** **Evaluating** the use of qualitative reasoning models by secondary school teachers Fernando Goulart, Paulo Salles and Ricardo Bomfim Machado How agricultural matrix intensification may affect forest understory birds? A qualitative model on stochasticity and immigration Adriano Souza, Gustavo Leite and Paulo Salles Using qualitative reasoning to model wind power production in coastal zone Peter Struss, Alessandro Fraracci and Daniel Nyga An Automated Model Abstraction Operator Implemented in the Multiple Modeling Environment MOM Miguel Angel Alvarez De La Concepcion, Luis Gonzalez Abril, Juan Antonio Ortega Ramirez and Luis Miguel Soria Morillo A qualitative methodology to reduce features in classification problems **Coffee Break + Posters**
15.30h -16.00h	
16.00h — 17.30h	**Session 2 (3 papers)** Kamal Kansou, Tim Nuttle, Katie Farnsworth and Bert Bredeweg Qualitative model of the long-term carbon cycle: the rise of the vascular plant during the Paleozoic period and its dramatic effect on our atmosphere Fernando Goulart, Paulo Salles, Carlos Saito and Ricardo Machado How does agricultural intensification will affect bird's species inhabiting a savanna-forest mosaic? A qualitative modelling approach Scott Friedman, Ken Forbus and Bruce Sherin How do the **seasons change? Creating** & **revising explanations via model formulation** & **metareasoning**
17.30h	**Guided Visit: Barri Gotic (walking)**
21.00h	

	Sunday, 17th
9.00h -10.30h	**Session 3 (3 papers)** Zoe Falomir, Lied() Museros, Juan Antonio Ortega and Francisco Velasco A Model for Qualitative Colour Description and Comparison Andrew Lovett and Kenneth Forbus Organizing and Representing Space for Visual Problem-Solving Matthew Mclure, Scott Friedman, Andrew Lovett and Kenneth Forbus Edge-cycles: A qualitative sketch representation to support recognition
10.30h -11.00h	**Coffee Break**
11.00h -13.00h	**Session 4 (4 papers)** Joanna Golinska-Pilarek and Emilio Munoz-Velasco Reasoning with qualitative velocity Alfredo Burrieza, Emilio Munoz-Velasco and Manuel Ojeda-Aciego PDL for Qualitative Reasoning about moving objects. A first step Miha Troha and Ivan Bratko Qualitative learning of object pushing by a robot Ester Martinez-Martin and M. Teresa Escrig A General Qualitative Spatio-Temporal **Model Based** on **Intervals**
13.00h — 14.30h	**Lunch Break**
14.30h -15.30h	**Guest Conference - Prof. Ken Forbus: "Qualitative Reasoning: The last and next 25 years"**
15.30h -17.30h	**Coffee Break + Business Meeting**
17.30h	**Visit of Barcelona's Modernism (bus)**
21.00h	**Gala Dinner**

	Monday, 18th

Late breaking-papers

9.00h—10.30h	**Wouter Beek, Bert Bredeweg and Sander Latour Consistency-Based Modeling Assistance for Qualitative Reasoning** **Jun Liu, Yang Xu and Luis Martinez** **A Qualitative Generalized-Resolution-Based Automated Reasoning Approach Based on Lattice-Ordered Linguistic Truth Valued Logic** **Sergio Tassoni, Paolo Fogliaroni, Mehul Bhatt and Giorgio De Felice** **Toward a Qualitative 3D Visibility Model**

11.00h—13.00h	**Session 5 (3 papers)** **Lledo Museros, Falomir Zoe, Luis Gonzalez-Abril and Francisco Velasco** **A Qualitative Shape Description Scheme for Generating New Manufactured Shapes** Qjang Shen, Tossapon Boongoen and Chris Price **A Fuzzy Order-of-Magnitude Approach to Qualitative Link Analysis** **Francisco J Ruiz, Albert Sama, German Sanchez, Jose A. Sanabria and Nuria Agell**