

Benchmarks and Applications of Spatial Reasoning (BASR 2011)

IJCAI 2011 Workshop 27

Barcelona (Spain), July 17, 2011

9.00-9.30 Welcome and introduction of participants

*** Session 1: New approaches to Qualitative Spatial Reasoning ***

9.30-10.00 J H Lee and D Wolter: A new perspective on reasoning with qualitative spatial knowledge

10.00-10.30 W Liu, S Wang , and S Li: Solving qualitative constraints involving landmarks

10.30-11.00 M Sridhar, A G Cohn, and D C Hogg: Benchmarking qualitative spatial calculi for video activity analysis

11.00-11.30 Coffee Break

*** Session 2: Benchmarking ***

11.30-12.30 M Helmert (IJCAI 2011 Computers and Thought Award Winner): Lessons learned from benchmarking in the automated planning community (Invited Talk)

12.30-13.00 Discussion: Benchmarking spatial/temporal reasoning? Should we have a competition?
Including a short talk (10 min):

A Kreuzmann and D Wolter: Physical puzzles -- Challenging spatio-temporal configuration problems

13.00-14.30 Lunch Break

*** Session 3: Applications ***

14.30-15.00 D Lücke, T Mossakowski, and R Moratz: Streets to the Opra -- Finding your destination with imprecise knowledge

15.00-15.30 M Koubarakis, K Kyzirakos, and S Vassos: Challenges for qualitative spatial reasoning in linked geospatial data

15.30-16.00 J Hué, M Serayet, P Drap, O Papini, and E Wúrbel: Underwater archaeological 3D surveys validation within the Removed Sets framework

16.00-16.30 S Schockaert: An application-oriented view on graded spatial relations

16.30-17.00 Coffee Break

*** Session 4: Tools and Demonstrations ***

17.00-17.30 W Liu and S Li: On a semi-automatic method for generating composition tables

17.30-18.00 Open list: GQR, SPARQ, SAT, automated complexity proofs, new language, competition

18.00-18.30 Final discussion

Talks are 20 min plus 10 min discussion, the invited talk is 45 min plus 15 min discussion.