

SFB/TR 8 Spatial Cognition / IQN Video Conference

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This is the Tricky Part: When Directions Become Difficult

Automated route guidance systems, both web-based systems and en-route systems, have become commonplace in recent years. These systems often replace human-generated directions, which can be incomplete and vague. However, there are benefits to human-generated directions, including the ability to differentiate between easy and complex steps through language. In this talk, differences between human-generated and machine-generated instructions for wayfinding, in both the built and natural environment, will be discussed. A detailed analysis of when authors flag some directional steps as being particularly "tricky" leads to a number of suggestions for improving the next generation of automated route guidance systems.

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