

Spatial grounding for city exploration

Johan Boye

School of Computer Science and Communication

Royal Institute of Technology (KTH)

<http://www.csc.kth.se/~jboye/>

Recently there has been an interest in spatially aware systems for pedestrian routing and city exploration, due to the proliferation of smartphones with GPS receivers among the general public. Since GPS readings are noisy, giving good and well-timed route instructions to pedestrians is a challenging problem. In this talk, I will discuss a spoken dialogue prototype for pedestrian navigation in Stockholm that tries to address this problem by using various grounding strategies.