UW CENTER FOR
PATTERN ANALYSIS AND MACHINE INTELLIGENCE

GRADUATE SEMINAR SERIES

User Centric Dynamic Trip planning:
Situation Assessment Based Model

Speaker: Haitham Amar

Date: August 17, 2011

Time: 4 pm- 5 pm

Place: E5 (5128) Refreshments will be served

Abstract :

Dealing with trip planning became an everyday problem. When trying to solve it, it's paramount prerequisite to consider both user preferences and the dynamic change in the environment. In trips that take long trip time, what seemed to be a preferred route might turn out to be a bad choice. The only way to prevent from such fiasco is by being aware of the environment as frequent as possible. In this work, a user centric dynamic trip-planning model is presented. The goal from this model is to assess the situation in possible routes from certain starting point to destination while consider user preferences at all times. The user of the system would be a driver travelling by a vehicle. Preferences include financial cost and trip time. The proposed model will provide a decision aid, as the driver makes the final decision.

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