

## Smart Transport Information



*Communication for real-time transport applications*

**Supervisors:** A/Prof Stephan Winter (University of Melbourne) and Prof Amitabha Mukerjee (IIT Kanpur)

**Location:** The project is conducted at The University of Melbourne. It is possible to conduct a part of it at IIT Kanpur

**Project description:** Spatial cognition research can inform a smarter spatial information systems design. Especially in the emerging world of car-to-car, vehicle-to-infrastructure, and passenger-to-vehicle communication there is plenty of scope to consider better support of human transport decision making at all levels by spatial information. Research in this area would address the current pressure on urban traffic, energy and accessibility, and contribute to smart cities.

**Student performance requirement:** GPA of 8.5/10 or better. Applicants must belong to the top 25% of the student cohort.

**Please note:** the applicant must discuss with the nominated supervisors before finalising the project proposal to be submitted to the University of Melbourne. This proposal is dedicated to IIT Kanpur educated students only. The scholarship covers tuition and living expenses to work on the project. Applicants are not required to do any teaching. Duration of the PhD is 3-3.5 years and applicants can be admitted to the PhD candidature after the completion of a Masters degree or 4 year Bachelors degree from IIT Kanpur.

**Rankings:** The Melbourne School of Engineering is Australia's No. 1 engineering and technology school and No. 25 in the world.\*

**Website:** [www.eng.unimelb.edu.au](http://www.eng.unimelb.edu.au)

\* Times Higher Education World University Rankings 2011-2012.