



Workshop on 'Observation and Modelling of Pedestrian Behaviour in Urban Areas'

Monday 4 May 2015, IFSTTAR – Marne-la-Vallée, Room B019

Scope

In the framework of the Post Doctoral research project "PEDMOD - Models of pedestrian behaviour and safety", co-supervised by the NTUA and the IFSTTAR, a workshop on the observation and modelling of pedestrian behaviour in urban areas is organised.

The objective of the workshop is the analysis of the state of the art on pedestrian behaviour observation and modelling, through the exchange of experiences in implementing meaningful pedestrian behaviour measurements, testing novel methodologies to explore pedestrian strategies, choices and behavioural patterns, and developing flexible and robust models to predict and understand pedestrian walking and crossing behaviour in urban areas. The workshop puts particular emphasis on the observation and modelling of pedestrians in actual urban road networks, the analysis of vehicle-pedestrian interaction, and the understanding of the road, traffic and human factors of pedestrian behaviour.

The workshop will feature presentations on the PEDMOD research methods and results on the observation and modelling of pedestrian behaviour, as well as other recent similar research initiatives and results. Presentations will be in French or in English.

Programme

- 14:00 The PEDMOD research project - Overview (*George Yannis - NTUA*)
- 14:20 Integration of human factors in pedestrian crossing choice models (*Eleonora Papadimitriou - NTUA*)
- 14:40 Analysis of pedestrian trajectories: behavioural patterns and individual practices (*Sylvain Lassarre - IFSTTAR*)
- 15:00 *Break*
- 15:20 Methods for observing pedestrian behaviour: ethnologic observation and declared questionnaire
(*Marie-Axelle Granie - IFSTTAR*)
- 15:40 Observation of children pedestrian behaviours – the ESSAIM project
(*Marie-Soleil Cloutier - INRS*)
- 16:00 Pedestrian trajectories in stations (*Zoi Christoforou & Pierre Argoul - LVMT/ENPC*)
- 16:20 *Break*
- 16:40 Pedestrian behaviour through experimental studies on street-crossing simulators
(*Aurelie Dommès - IFSTTAR*)
- 17:00 Simulation of pedestrian behaviour (*Jean-Michel Auberlet - IFSTTAR*)
- 17:20 Discussion
- 17:45 End