

The Urban Planning Group, Eindhoven University of Technology, is seeking candidates for the following vacant positions.

Assistant Professor Behavioral Process Modeling (tenure track)

Task is to initiate, coordinate, supervise and execute scientific research in Behavioral Process modeling, jointly with other members of the Urban Planning Group. He/she will actively participate in the University's strategic area 'Smart Mobility', and in the department's research on 'Smart cities'. He/she is expected to write research proposals and acquire external funding. Candidates are expected to have knowledge about alternative behavioral process modeling approaches and their experimental, modeling and theoretical underpinnings. Results of research efforts are to be published in peer-reviewed international journals.

The candidate is responsible for the development and delivery of various courses and lectures in Behavioral Process Modelling in BSc and MSc programs at the Department and University. He/she will take part in the teaching, and will supervise bachelor and master students, PhD candidates and postdocs.

Candidates have to meet the following requirements:

- a PhD in a relevant field;
- a broad knowledge of advanced behavioral choice models;
- demonstrated affinity for quantitative and experimental research;
- demonstrated decision support design and programming skills;
- relevant teaching experience in courses at different levels;
- a track record of international publications in top transportation journals
- the commitment to work in multidisciplinary teams;
- creativity and strong communication skills;
- the ability to coach PhD students and postdocs, and to encourage publications in high-impact, peer-reviewed journals;

- willingness to participate in the management and administration of the unit, department of the Built Environment, and/or TU/e wide committees.
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Assistant Professor Large Scale Model Systems of Urban Transportation Planning
(tenure track)

Task is to develop central platform, integrate and expand various models developed in the Urban Planning Group related to the modeling of activity travel patterns. Candidates will initiate, coordinate, supervise and execute scientific research in large-scale transportation systems jointly with other members in the group. He/she will actively participate in the University's strategic area 'Smart Mobility', and in the department's research topic 'Smart cities'.

The candidate is responsible for the development and delivery of various courses and lectures in Transportation Modeling in different in BSc and MSc programs at the Department and University. He/she will take part in the teaching, and will supervise bachelor and master students, PhD candidates and postdocs.

Candidates have to meet the following requirements:

- a PhD in a relevant field;
 - substantial expertise and experience in develop large scale transportation model systems;
 - advanced computer programming skills;
 - relevant teaching experience in courses at different levels;
 - a track record of international publications in top transportation journals
 - the commitment to work in multidisciplinary teams;
 - creativity and strong communication skills;
 - the ability to coach PhD students and postdocs, and to encourage publications in high-impact, peer-reviewed journals;
 - willingness to participate in the management and administration of the unit, department of the Built Environment, and/or TU/e wide committees.
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PhD or postdoc Smart Cities and Travel Demand

Candidates are expected to work on a project that will develop a model of travel demand in light of the expected new transportation services that come with the increasing available of ICT in smart cities.

Please send applications before August 15, 2015 to (or contact for further questions):

Soora Rasouli (email s.rasouli@tue.nl) or Harry Timmermans (h.j.p.timmermans@tue.nl)

Urban Planning Group

Eindhoven University of Technology