

Urbanism on Track'12

March 13 & 14 2012



Call for Participation

Processing of GPS-tracking data (cleaning, annotating, classifying)

Visualisation & Interpretation of spatio-temporal data (dynamic or static visualisation, visual analytics, interpretation and conclusions)

Data mining of spatio-temporal data (correlation, spatial statistics)

Application in Urban Design (from interpretation to intervention)

Data challenge

Rotterdam High-Rise 2011 dataset

10 housing towers

±50 participants, 24 hrs x 7 days, @ 5secs

Contact

trackingresearch-bk@tudelft.nl



TU Delft / Faculty of Architecture / Department of Urbanism
Building 8: Julianalaan 132-134, 2628BL, DELFT, the Netherlands
<http://tudelft.nl> or <http://bk.tudelft.nl/uot>



Urbanism on Track'12

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Registration Form

please register online at: <http://tinyurl.com/uot12>



Name

Affiliation

E-mail address

Mobile Phone

Theme Data Processing Visual Analytics Data Mining Application

Short motivation: method/subject of research

MOVE member? Yes No

DATA CHALLENGE LICENSE: After registration, a spatio-temporal dataset will be provided (HR11). All participants are expected to use this data for the workshop. Use of this data is LIMITED to preparation and execution of this workshop. It is not allowed to use, distribute or publish this data in any other way. The cooperation within the workshop could/should lead to common publications.(c) 2011 TU Delft.

- I hereby confirm my participation and agree to pay the seminar fees!
- I hereby agree with the DATA CHALLENGE LICENSE!

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Aim

The aim of this workshop/seminar is to exchange knowledge on *processing*, *visualisation* and *interpretation* of GPS-tracking data. Central issue of the workshop is the preparation of the data for *application* in Urban Design: from raw spatio-temporal data to accessible and valuable information.

Topics

Processing of GPS-tracking data (cleaning, organising, annotating, classifying: from raw data to accessible spatio-temporal data)

Visualisation and Interpretation of spatio-temporal data (dynamic or static visualisation of GPS data, visual analytics, interpretation and conclusions)

Data mining of spatio-temporal data (correlation, spatial statistics)

Application in Urban Design (from interpretation to interventions)

MOVE

The workshop is co-funded by MOVE (COST IC0903) and is co-located with the MOVE WG/SG/MC conference, March 15 and 16, 2012.

Registration

January 1 – March 1, 2012

registration form: <http://tinyurl.com/UOT12>

Contact: trackingresearch-bk@tudelft.nl

Data

January 2012: CALL for Participation

February 2012: registration and data available

March 1 2012: submission of short paper.

Method

A dataset will be provided on forehand. The data should be used to apply or update existing methods and tools, or to develop new methods and tools. *Active participation in the workshop is required.*

Data Challenge

A dataset consisting of spatio-temporal data of households in the City of Rotterdam will be provided. In April/May 2011 about fifty people living in high-rise buildings in the Centre of Rotterdam were tracked for one week using GPS. Additionally, a questionnaire was taken.

The data package will be distributed after registration.

Required products

Data challenge: application of a method/theory on the provided data.

Short paper: a short paper (400 words) describing the research method and results

Presentation: a short presentation of the method and results.

Publication

The Urbanism on Track event in 2007 resulted in the publication 'Urbanism on track', IOS Press, 2008. A follow up of this book is foreseen based on the material produced by this seminar.

Organisers

dr. ir. S.C. van der Spek, Ass. prof. of Urban Design
Delft University of Technology, Faculty of Architecture
Department of Urbanism, Chair of Urban Design
MOVE (COST IC0903), <http://move-cost.info>

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Programme (draft)

The workshop/seminar is a full two day event.

Day 1 (Tuesday March 13):

- 0900 Registration
- 1000 Session 1: Introduction
Keynote presentation(s)
Presentation of the data challenge results by the participants
- 1300 Lunch
- 1400 Parallel workshop session per theme: active co-operation.
- 1800 Drinks & Dinner at location (included)

Day 2 (Wednesday March 14)

- 0900 Parallel workshop session per theme: active co-operation.
- 1200 Lunch
- 1400 Presentation of the workshop results
- 1600 Future research agenda and closing
- 1700 Drinks

Publication

The Urbanism on Track event in 2007 resulted in the publication 'Urbanism on track', IOS Press, 2008. A follow up of this book is foreseen based on the material produced for this seminar.

Costs

Costs include lunches and dinner.

MOVE members €75-. Travel and accommodation costs will be reimbursed according to COST rules.

Non-MOVE members €125,- .

Accommodation

Het Konings Huys ** -on the market place

Hotel Juliana *** -closest to the University

Hotel Leeuwenbrug *** -along canals

Hampshire Delft Centre **** -modern, nearby

...and many other alternatives!

Request TU Delft rates (TUD-UOT12)!

MOVE WG/SG/MC conference

March 15 & 16

Delft University of Technology

Urbanism on Track

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