



SYSTEM DYNAMICS IN TRANSPORTATION MODELLING

Friday 23rd March 2018, 9-16h



BOKU, Institute for Transport Studies, Peter-Jordan-Straße 82, 1190 Vienna

The information on how to get to our Institute can be found at www.rali.boku.ac.at/en/verkehr/kontakt-und-anreise/. The workshop will be in our seminar room (DG/46), right behind the entrance to our institute. The BOKU is well connected to the city centre via the bus line 40A. The bus line has its end point at the station Liechtensteinstr./Schottentor with connections to the metro line U2 and several tramway lines. The station is situated at the "Ringstraße" which is the border of the 1st district. To get to BOKU you have to get off the bus at the station "Dänenstraße. Timetable: www.wienerlinien.at/media/download/2017/Linie_40A_222227.pdf

9.00-9.15	Coffee and Registration
9.15-9.20	Introduction Simon Shepherd, SIG leader
9.20-10.00	Keynote: <i>System Dynamics as part of the curriculum at the Research Centre of Transport Planning and Traffic Engineering, TU Wien</i> Guenter Emberger, TU Wien
10.00-11.00	Oral presentations: AFVs <i>Exploring fuel cell market uptake in Europe</i> Jonatan Gomez-Vilchez, European Commission, Joint Research Centre <i>Informing transition strategies to alternative fuel vehicle technologies in developing countries</i> Marc Haddad, Lebanese American University
11.00-11.15	Coffee (+ Posters)
11.15-12.45	Oral presentations: <i>Transit and Connectivity</i> <i>Modelling the economic benefits of inter-city connectivity</i> David Pierce, University of Leeds <i>Modelling smart transit app take up</i> Astrid Guhnemann, BOKU <i>A multi-sided platform to support transportation operators</i> Enzo Bivona, University of Palermo
12.45-13.55	Lunch (+ Posters)
13.55-14.00	Introduction to afternoon Envo Bivona, SIG leader
14.00-15.00	Oral presentations: <i>Logistics</i> <i>Modelling long-distance travel and e-commerce as add-ons to an urban land use and transport interaction model</i> Paul Pfaffenbichler, BOKU <i>City logistics policy evaluation with system dynamics</i> Giovanni Zenezini, Politecnico di Torino
15.00-15.15	Coffee (+ Posters)
15.15-15.55	SIG Business
15.55-16.00	Final round-up

Pre-Workshop Evening Meal

Thursday 22nd March, 19h

The restaurant "Gasthaus zu den 3 Hacken" is situated at Singerstraße 28, 1010 Vienna
<http://www.zuden3hacken.at/index.html>

Please note if you are attending this meal it is at your own expense and you should have confirmed your attendance in advance with the organisers.

System Dynamics Society Transportation Special Interest Group (SDS-T-SIG)

<https://www.systemdynamics.org/transportation>

The Transportation Special Interest Group was approved in November 2016. The purpose of the SDS-T-SIG is to focus on understanding of the Transportation system, with three long-term goals in mind:

- The promotion of system dynamics as a tool to analyse transportation systems and policy.
- The development of a repository of case studies, models and other resources for practice and teaching.
- To work as a group to spread the use of system dynamics through the transport community both in practice and in academia – via for example workshops, targeting transport related conferences and journals and development of case studies with policy impact.

List of planned activities

- Set up an interactive mailing list for members to share ideas.
- Initiate a one-year series of exploratory focus groups via online web-meetings.
- Bi-Monthly meetings will focus on 3-4 major topics (TBD), discussed at 3- to 4-month intervals on an overlapping schedule throughout the year. Within each topic this schedule allows for the clarification of key issues, providing windows to explore and refine the issues, and to identify short-term action items and longer-term goals. Participants may choose to participate in one or more focus groups according to individual interests.
- Development of an online presence, for the promotion and discussion of our stated goals
- Initiate links with Energy / Environment SIGs to foster future collaboration

How to Join the SIG:

Transportation-SIG (T-SIG) is open to all, not just Society members.

- You can become a member of T-SIG whether you are a member of the society, or not.
- In either case, go to <http://www.systemdynamics.org/>
- If you are not already registered (you do NOT have to be a Society Member), you need to register first in order to log in.
- Once you log in to the SD web portal, select the *Update Contact Information* option.
- At the bottom of that page, you will see a list of chapters and SIGs.
- Check the box next to Transportation SIG, and save changes.
- **Please also send an email to Transport.SIG.SDS@gmail.com to confirm that you have joined and to be added to our mailing list** (email: Transport-SIG-SDS@googlegroups.com; website: <https://groups.google.com/forum/#!forum/transport-sig-sds>).
- We also have a Linked In group: <https://www.linkedin.com/groups/13539829>

You can contact the SIG organisers at anytime on the email address: Transport.SIG.SDS@gmail.com

SDS-T-SIG Organisers: Professor Simon Shepherd, Professor Enzo Bivona, Dr Gillian Harrison