

Duisterbelt 2025

ETH Zürich | Switzerland | December 11-12, 2025

Main building HG F33.1 , Rämistrasse 101

Program

Program

Thursday December 11th

08:30 – 09:00 *Welcome & coffee*

09:00 – 09:10 *Opening notes & introductions*

Session 1: Asumptions and interpretations

09:10 – 09:35 An experimental framework for testing micro-level assumptions
Rob Franken

09:35 – 10:00 Global-, local-, and individual-level interpretability for network models
Per Block

10:00 – 10:25 Game-theoretic interpretation of exponential random partition models
Marion Hoffman

10:25 – 10:50 Interpreting the E-I index
Nynke Niezink

10:50 – 11:20 *Coffee break*

Session 2: Methodological innovations

11:20 – 11:50 Modeling the coevolution of panel and relational event network data
Maria Eugenia Gil Pallares

11:50 – 12:15 Perception in family networks
Marijtje van Duijn

12:15 – 14:00 *Lunch break*

Session 3: SAOM applications

14:00 – 14:10 Living alone? Modeling co-habitation patterns using registered data
Stepan Zaretckii

14:10 – 14:20 Applied stereotypes and social networks: How stereotypes reinforce social inequalities
Zsófia Boda

14:20 – 14:45 Modeling the dynamic of organizational fields - the interplay of global and local network processes
Daniel Gotthardt

14:45 – 15:10 What is 'realist evaluation' of interventions? Can network modelling help this?
András Vörös

15:10 – 15:50 Review of RSiena applications
Isabel Raabe

15:50 – 16:20 *Coffee break*

Session 4: Lightning talks!

- 16:20 – 16:25** Extreme events, extreme challenges: Designing network studies for predicted climate shocks using SAOM simulation
Daniel Gotthardt
- 16:25 – 16:30** The strength of weak models?
Marion Hoffman
- 16:30 – 16:35** CSS-Models for accuracy - what is the comparison?
Robert Krause
- 16:35 – 16:40** Modeling the dynamics of network perceptions: An update
Nynke Niezink
- 16:40 – 16:45** Social influence on perceived political opinions
Rob Franken
- 16:45 – 16:50** Flexible case-(not only one)-control inference for relational events
Martina Boschi
- 16:50 – 16:55** Results from the friendship/Facebook study
Christoph Stadtfeld
- 16:55 – 17:20** Questions and discussion
All
- 17:30 – 20:00** Apero at bQm

Friday December 12th

- 08:30 – 09:00** Welcome & coffee

Session 6: Relational event models

- 09:00 – 09:40** The relational state model
Ernst Wit
- 09:40 – 10:05** Causal relational event models
Melania Lembo
- 10:05 – 10:30** Comparative network dynamics: Using DyNAM to contrast social strategies in young vs. old Drosophila
Alvaro Uzaheta
- 10:30 – 11:00** Coffee break

Session 7: Models for missing and latent data

- 11:00 – 11:25** BERGMs with missing attributes
Robert Krause
- 11:25 – 11:50** Hyperevent network modelling of partially observed events
Veronica Poda
- 11:50 – 12:15** Inferring anomalies in financial relational processes
Martina Boschi
- 12:15 – 14:00** *Lunch break*

Session 8: Developers updates

- 14:00 – 14:40** What is new in the new version RSiena 2?
Tom Snijders
- 14:40 – 15:05** More about RSiena
Christian Steglich
- 15:05 – 15:30** Many further updates
James Hollway
- 15:30 – 16:00** *Coffee break*

Session 9: Discussions

- 16:00 – 17:00** End discussion: workshops, Duisterbelt, Stocnet, ...
All
- 19:30 – 00:00** *Dinner party at Viadukt*

List of participants

Speakers

- Alvaro Uzaheta
- András Vörös
- Christian Steglich
- Christoph Stadtfeld
- Daniel Gotthardt
- Ernst Wit
- Isabel Raabe
- James Hollway
- Maria Eugenia Gil Pallares
- Marijtte van Duijn
- Marion Hoffman
- Martina Boschi
- Melania Lembo
- Nynke Niezink
- Per Block
- Rob Franken
- Robert Krause
- Stepan Zaretckii
- Tom Snijders
- Veronica Poda
- Zsófia Boda

(alvaro.uzaheta@gess.ethz.ch)
(a.voros@bham.ac.uk)
(c.e.g.steglich@rug.nl)
(c.stadtfeld@ethz.ch)
(daniel.gotthardt@uni-hamburg.de)
(wite@usi.ch)
(isabel.raabe@uzh.ch)
(james.hollway@graduateinstitute.ch)
(mariaeugenia.gilpallares@gess.ethz.ch)
(m.a.j.van.duijn@rug.nl)
(marion.hoffman@iast.fr)
(martina.boschi@usi.ch)
(melania.lembo@usi.ch)
(nniezink@andrew.cmu.edu)
(per.block@uzh.ch)
(r.j.f.franken@uu.nl)
(robert.w.krause@uky.edu)
(s.zaretckii@rug.nl)
(tom.snijders@nuffield.ox.ac.uk)
(veronica.poda@unitn.it)
(zsofia.boda@ethz.ch)

Participants

- Alessandro Lomi
- Federica Bianchi
- Ivana Smokovic
- Jingying Wang
- Jochem Tolsma
- Scott Duxbury
- Siyu Jiang
- Tianze Zhang
- Vieri Pistocchi
- Viviana Amati
- Xinwei Xu
- Zoran Kovacevic

(alessandro.lomi@usi.ch)
(federica.bianchi@usi.ch)
(ivana.smokovic@gess.ethz.ch)
(wang@soziologie.uzh.ch)
(jochem.tolsma@ru.nl)
(duxbury@email.unc.edu)
(siyu.jiang@gess.ethz.ch)
(tianzzhang@ethz.ch)
(vieri.pistocchi@usi.ch)
(viviana.amati@unimib.it)
(xinwei.xu@gess.ethz.ch)
(zkovacevic@ethz.ch)

Food

On campus:

- *Dozentenoyer* – ETH Main building (Hauptgebäude HG), K floor (~1 min walking distance)
Seasonal kitchen / hot & cold buffet / smoker / breakfast offers / delicious sweets
- *Polysnack* – ETH Main building (Hauptgebäude HG), F floor (~1 min walking distance) Pizza / pasta / salads / Italian snacks
- *Clausiusbar* – ETH Main building (Tannenstrasse 3), ground floor (~3 min walking distance)
Freshly prepared Wok specialties / Asian meals and salads
- *Vegan mensa* – UZH Rämi 59 building (Rämistrasse 59), ground floor (~7 min walking distance)
Vegan and plant-based dishes
- *Archimedes* – ETH GLC building (Gloriastrasse 3), ground floor (~10 min walking distance)
Counter restaurant with daily dishes / salad bar / barista coffee

Other cafes and restaurants:

- *Café Oberstrass (Buchmann)* – Universitätstrasse 9 (~5 min walking distance)
- *Hot Pasta* – Universitätstrasse 15 (~7 min walking distance)
- *Pizzeria Culmann* – Culmannstrasse 1 (~7 min walking distance)

Take-out options:

- *Tiny Fish* – Sonneggstrasse 2 (~5 min walking distance)
- *Klara's kitchen* – Universitätstrasse 17 (~5 min walking distance)
- *mi-te* – Universitätstrasse 25 (~7 min walking distance)
- *The Lemon grass* – Universitätstrasse 31 (~7 min walking distance)

Thursday evening apero:

- *bQm* – ETH Polyterasse (Leonhardstrasse 34) (~2 min walking distance)

Friday dinner

- *Quartierraum Viadukt* – Viaduktstrasse 55, near the tram stop Löwenbräu (~35 min walking distance, ~25min by tram with trams 4/13/17)

Organization

This workshop is organized by the Duisterbelt 2025 organizing committee:

- Nynke Niezink and Marion Hoffman (program committee)
- Per Block, Isabel Raabe, Christoph Stadtfeld, Alvaro Uzaheta, and Natalie Peyer (hospitality committee)

The program booklet was created by Marion Hoffman & Marijn Keijzer.

Title page image: NASA/Night Sky Network