

Duisterbelt 2025

ETH Zürich | Switzerland | December 11-12, 2025

Program

Date of this version: 2025-12-01

Program

Thursday December 11th

08:30 – 09:00 *Welcome & coffee*

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

Session 1: Assumptions 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: Relational event models

14:00 – 14:40 The relational state model
Ernst Wit

14:40 – 15:05 Causal relational event models
Melania Lembo

15:05 – 15:30 Comparative network dynamics: Using DyNAM to contrast social strategies in young vs. old *Drosophila*
Alvaro Uzaheta

15:30 – 16:00 *Coffee break*

Session 4: Lightning talks!

- 16:00 – 16:05** Extreme events, extreme challenges: Designing network studies for predicted climate shocks using SAOM simulation
Daniel Gotthardt
- 16:05 – 16:10** The strength of weak models?
Marion Hoffman
- 16:10 – 16:15** CSS-Models for accuracy - what is the comparison?
Robert Krause
- 16:15 – 16:20** Modeling the dynamics of network perceptions: An update
Nynke Niezink
- 16:20 – 16:25** Social influence on perceived political opinions
Rob Franken
- 16:25 – 16:30** Flexible case-(not only one)-control inference for relational events
Martina Boschi
- 16:30 – 17:00** Questions and discussion
All
- 17:30 – 20:00** *Apero at bQm*

Friday December 12th

- 08:30 – 09:00** *Welcome & coffee*

Session 5: SAOM applications

- 09:00 – 09:10** Living alone? Modeling co-habitation patterns using registered data
Stepan Zaretckii
- 09:10 – 09:20** Applied stereotypes and social networks: How stereotypes reinforce social inequalities
Zsófia Boda
- 09:20 – 09:45** Modeling the dynamic of organizational fields - the interplay of global and local network processes
Daniel Gotthardt
- 09:45 – 10:10** What is 'realist evaluation' of interventions? Can network modelling help this?
András Vörös
- 10:10 – 10:40** *Coffee break*

Session 6: Models for missing and latent data

- 10:40 – 11:05** BERGMs with missing attributes
Robert Krause
- 11:05 – 11:30** Hyperevent network modelling of partially observed events
Veronica Poda
- 11:30 – 11:55** Inferring anomalies in financial relational processes
Martina Boschi
- 11:55 – 14:00** *Lunch break*

Session 7: Developers updates

- 14:00 – 14:40** Updates about RSiena and RSiena2?
Christian Steglich
- 14:40 – 15:05** Many further updates
James Hollway
- 15:05 – 15:40** *Coffee break*

Session 8: Discussions

- 15:40 – 16:20** Review of RSiena applications
Isabel Raabe
- 16:20 – 17:30** End discussion: workshops, Duisterbelt, Stocnet, ...
All
- 19:30 – 00:00** *Dinner party at Viadukt*

List of participants

Speakers

| | |
|------------------------------|---|
| • Alvaro Uzaheta | (alvaro.uzaheta@gess.ethz.ch) |
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Lunch options

On campus:

- *Dozentenfoyer* – 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, and Alvaro Uzaheta (hospitality committee)

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

Title page image: NASA/Night Sky Network