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: 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: 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   *Quick 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)
- András Vörös (a.voros@bham.ac.uk)
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Participants

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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)

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