

PhD presentations

Monday (14.25 – 16.05)

Room: Steyl

- 14:25 - 14:50 **Sophie Klumper** (CWI)
To Trust, or Not to Trust: Truthful Mechanisms for Maximum Weighted Matching Problems in Private Bipartite Graphs with Predictions
Discussant: Tim Oosterwijk
- 14:50 - 15:15 **Fabio Mercurio** (TU/e)
Cooperative Locker Location Games
Discussant: André Berger
- 15:15 - 15:40 **Arman Rouhani** (Maastricht University)
An improved bound for the price of anarchy for related machine scheduling
Discussant: Pieter Kleer
- 15:40 - 16:05 **Kim van den Houten** (TU Delft)
Learning from scenarios in the context of stochastic scheduling
Discussant: Leen Stougie

Room: Congo

- 14:25 - 14:50 **Laura Sprenkels** (TU/e)
The good stuff: Matching supply and demand by introducing an opaque product: Pricing, learning, fun.
Discussant: Janusz Meylahn
- 14:50 - 15:15 **Joris Slootweg** (CWI)
Improving Congestion in an Efficient & Robust manner using smart Virtual Queuing at Airport Security
Discussant: Willem van Jaarsveld
- 15:15 - 15:40 **Hayo Bos** (University of Twente)
Predicting next week's bed census: combining medical expertise with data.
Discussant: Caroline Jagtenberg
- 15:40 - 16:05 **Robin Buter** (University of Twente)
Strategic placement of defibrillators
Discussant: Theresia van Essen

Room: China

- 14:25 - 14:50 **Mathijs Barkel** (Tilburg University)
Bounding Procedures and Exact Arcflow Formulations for the Bin Packing Problem with Minimum Color Fragmentation
Discussant: Paul Bouman
- 14:50 - 15:15 **Ashkan Safari** (Maastricht University)
A k-swap Local Search for Makespan Scheduling
Discussant: Antonios Antoniadis
- 15:15 - 15:40 **Jesse van Rhijn** (University of Twente)
Some new Results on Hartigan's Method for k-Means Clustering
Discussant: René Sitters
- 15:40 - 16:05 **Judith Brugman** (Tilburg University)
Large-scale Appointment Scheduling via Robust Convex Optimization with Polyhedral Uncertainty Sets
Discussant: Ahmadreza Marandi

Tuesday (14.25 – 16.05)

Room: Steyl

- 14:00 - 14:25 **Niels Wouda** (University of Groningen)
Optimising Groningen's waste collection
Discussant: Frits Spieksma
- 14:25 - 14:50 **Pedro José Correia Duarte** (Erasmus University)
A Cyclic Timetabling Approach to Determine Optimal ERTMS Rollout
Discussant: Marjan van den Akker
- 14:50 - 15:15 **Renate van der Knaap** (TU Delft)
Railway line planning for varying demand with focus on stop planning, frequency setting, and asymmetric lines
Discussant: Rolf van Lieshout
- 15:15 - 15:40 **Linda Punt** (Erasmus University)
Integrating EV Fleet Flexibility into Robust Optimal Planning of Local Power Grids
Discussant: Johann Hurink
- 15:40 - 16:05 **Leoni Winschermann** (University of Twente)
Relating Electric Vehicle Charging to Speed Scaling with Job-Specific Speed Limits
Discussant: Remy Spliet

Room: Congo

- 14:00 - 14:25 **Lucas Vogels** (UvA)
Bayesian Structure Learning in Undirected Gaussian Graphical Models
Discussant: Bernd Heidergott
- 14:25 - 14:50 **Wessel Blomerus** (TU/e)
Structured learning of the optimal replacement rule beyond Markov settings
Discussant: Odysseas Kanavetas
- 14:50 - 15:15 **Nanne A. Dieleman** (VU)
A Pseudo-Gradient Approach for Model-free Markov Chain Optimization
Discussant: Ilker Birbil
- 15:15 - 15:40 **Tim Engels** (TU/e)
Batch sojourn times in polling systems on a circle
Discussant: Werner Scheinhardt
- 15:40 - 16:05 **Purva Joshi** (TU/e)
Efficiently Navigating Autonomous Vehicles through Intersections
Discussant: René Haijema

Room: China

- 14:00 - 14:25 **Lotte Weedage** (University of Twente)
Edge recovery in geometric random graphs
Discussant: Aida Abiad
- 14:25 - 14:50 **Sten Wessel** (TU/e)
Fairness in Graph-Theoretical Optimization Problems
Discussant: Ruben Hoeksma
- 14:50 - 15:15 **Rolf van der Hulst** (University of Twente)
A row augmentation algorithm for graph realization
Discussant: Christopher Hojny
- 15:15 - 15:40 **Jelle Oostveen** (Utrecht University)
The Parameterised Complexity of Integer Multicommodity Flow
Discussant: Lars Rohwedder
- 15:40 - 16:05 **Hadi Abbaszadehpeivasti** (Tilburg University)
On the convergence rate of the difference-of-convex algorithm (DCA)
Discussant: Dick den Hertog