

Parallel Sessions PhD presentations

Tuesday, January 13, 14.30 – 16.00

Session A (Africa Room)

- 14.30 – 15.00 **Loe Schlicher** (Eindhoven University of Technology)
Pooling of services with unavailability
Discussant: Judith Timmer
- 15.00 – 15.30 **Tim Oosterwijk** (Maastricht University)
A logarithmic approximation for matroid congestion games
Discussant: Bodo Manthey
- 15.30 – 16.00 **Marieke Musegaas** (Tilburg University)
Step out - Step in Sequencing Games
Discussant: Maarten van der Vlerk

Session B (Room 1)

- 14.30 – 15.00 **Sybrein Huijink** (Tilburg University)
Which orders to outsource in the VRP with Private fleet and Common carrier
Discussant: Marc Uetz
- 15.00 – 15.30 **Jiwen Ge** (Eindhoven University of Technology)
Selling to Nanostores
Discussant: Ivo Adan
- 15.30 – 16.00 **Baoxiang Li** (Eindhoven University of Technology)
Rebalancing in Bike/Car Sharing System: Mathematical Formulations and a Mathheuristic Approach
Discussant: Guido Schäfer

Session C (Room 2)

- 14.30 – 15.00 **Martijn Onderwater** (CWI/VU University Amsterdam)
Throughput analysis of the 802.15.4 MAC for sensor networks
Discussant: Jasper Goseling
- 15.00 – 15.30 **Martijn van Ee** (VU University Amsterdam)
Approximation of a priori routing problems
Discussant: Dick den Hertog
- 15.30 – 16.00 **Jianzhe Zhen** (Tilburg University)
Computing the Maximum Volume Inscribed Ellipsoid of a Polytopic Projection
Discussant: Monique Laurent

Session D (Room 13)

- 14.30 – 15.00 **Evelot Duijzer** (Erasmus University Rotterdam)
Optimal Vaccine Allocation over multiple populations in the SIR model
Discussant: Theresia van Essen
- 15.00 – 15.30 **Thije van Barneveld** (CWI)
A Heuristic Method for Relevant Performance Measures in a Dynamic Ambulance Management Model
Discussant: Bernd Heidergott
- 15.30 – 16.00 **Harwin de Vries** (Erasmus University Rotterdam)
The roadside Healthcare Facility Location Problem
Discussant: Marjan van den Akker

Wednesday, January 14, 14.15 – 15.45

Session A (Africa Room)

- 14.15 – 14.45 **Gianmarco Bet** (Eindhoven University of Technology)
Heavy-traffic analysis of transitory queues with diminishing populations
Discussant: Sem Borst
- 14.45 – 15.15 **Joost Berkhout** (VU University Amsterdam)
Series Expansion Approximation for Multi-Chain Markov Chains
Discussant: Sindo Núñez Queija
- 15.15 – 15.45 **Jaron Sanders** (Eindhoven University of Technology)
Optimal Admission Control for Many-Server Systems with QED-Driven Revenues
Discussant: Sandjai Bhulai

Session B (Room 1)

- 14.15 – 14.45 **Arjan Dijkstra** (University of Groningen)
Optimal storage assignment in a manual-picking warehouse
Discussant: Jan Kees van Ommeren
- 14.45 – 15.15 **Qianru Ge** (Eindhoven University of Technology)
Reliability Optimization for Critical Components with Uncertain Component Reliability in the Design
Discussant: Ruud Teunter
- 15.15 – 15.45 **Bram de Jonge** (University of Groningen)
On the Benefits of Condition-Based Maintenance over Time-Based Maintenance
Discussant: Ad Ridder

Session C (Room 2)

- 14.15 – 14.45 **Marleen Balvert** (Tilburg University)
Robust treatment plan optimization for prostate HDR brachytherapy incorporating delineation uncertainties
Discussant: Johann Hurink
- 14.45 – 15.15 **Krzysztof Postek** (Tilburg University)
Multi-stage adjustable robust mixed-integer optimization via iterative splitting of the uncertainty set
Discussant: Leen Stougie
- 15.15 – 15.45 **Frans de Ruiter** (Tilburg University)
Robust optimization of uncertain multistage inventory systems with inexact data in decision rules
Discussant: Marco Boon

Session D (Room 13a)

- 14.15 – 14.45 **Thijs van der Klauw** (University of Twente)
Local device scheduling for demand side management using two types of steering signals
Discussant: André Berger
- 14.45 – 15.15 **Bart Kamphorst** (CWI)
Achievable Performance of Blind Scheduling Policies in Heavy Traffic
Discussant: Tjark Vredeveld
- 15.15 – 15.45 **Vincent Kreuzen** (Maastricht University)
Basic Properties for High Multiplicity Scheduling with Switching Costs
Discussant: Willem van Jaarsveld