

## Parallel Sessions PhD presentations

**Tuesday, January 15, 14.30 – 16.30**

### Session A (Africa Room)

- 14.30 – 15.00 Sihan Ding (CWI)  
*Estimation of retrial probabilities in call center data with incomplete information*  
Discussant: Jan Kees van Ommeren (UT)
- 15.00 – 15.30 Mihaela Mitici (UT)  
*A Quality of Service Optimal Query Assignment Strategy for Wireless Sensor Networks*  
Discussant: Onno Boxma (TU/e)
- 15.30 – 16.00 Jan-Pieter Dorsman (TU/e)  
*Evaluation and optimisation of an extended machine-repair model*  
Discussant: Richard Boucherie (UT)
- 16.00 – 16.30 Laurens Smit (UL)  
*The Class of Quasi--Skip Free Processes: Stability and Explicit Solutions when Successively Lumpable*  
Discussant: Rob van der Mei (CWI)

### Session B (Room 1)

- 14.30 – 15.00 Ruben Hoeksma (UT)  
*Two-Dimensional Optimal Mechanism Design for a Sequencing Problem*  
Discussant: Rene Sitters (VU)
- 15.00 – 15.30 Bart de Keijzer (CWI)  
*Housing Markets with Indifferences: A Tale of Two Mechanisms*  
Discussant: Marc Uetz (UT)
- 15.30 – 16.00 Gergely Csapo (UM)  
*Optimal mechanism design for the private supply of a public good*  
Discussant: Guido Schäfer (VU/CWI)
- 16.00 – 16.30 Xian Qiu (UT)  
*Fractional programming in cooperative games*  
Discussant: Tjark Vredeveld (UM)

### Session C (Room 2)

- 14.30 – 15.00 Yuan Feng (UT)  
*A matrix approach to associated consistency of the generalized Shapley value*  
Discussant: Frank Thuijsman (UM)
- 15.00 – 15.30 Ward Romeijnders (RUG)  
*On the Performance of a Class of Convex Approximations for Integer Recourse Models*  
Discussant: Bodo Manthey (UT)
- 15.30 – 16.00 Harm Bossers (UT)  
*Integer Linear Programming approach for Selecting Tests for Outlier Detection in Testing of Integrated Circuits*  
Discussant: Marjan van den Akker (UU)
- 16.00 – 16.30 Wendy Ellens (TNO)  
*Statistical methods for anomaly detection*  
Discussant: Sandjai Bhulai (VU)

### Session D (Room 13)

- 14.30 – 15.00 Evelien van der Hurk (EUR)  
*Analyzing and forecasting passenger flow change due to major disruptions in public*

*transport*

- Discussant: Ruud Teunter (RUG)
- 15.00 – 15.30 Jelmer van der Gaast (EUR)  
*Modeling and performance analysis of sequential zone picking systems*  
Discussant: Geert-Jan van Houtum (TU/e)
- 15.30 – 16.00 Frank Karsten (TU/e)  
*Resource pooling and cost allocation among independent service providers*  
Discussant: Jasper Goseling (UT)
- 16.00 – 16.30 Daniël Reijsbergen (UT)  
*Automated Rare Event Simulation for Stochastic Petri Nets*  
Discussant: Sindo Núñez Queija (UvA,CWI)

## Wednesday January 16, 14.00 – 15.30

### Session A (Africa Room)

- 14.00 – 14.30 Kamil Cornelissen (UT)  
*Smoothed Analysis of Belief Propagation for Minimum-Cost Flow and Matching*  
Discussant: Heiko Röglin (Bonn)
- 14.30 – 15.00 Bram Gorissen (UvT)  
*A new method for deriving robust solutions of uncertain linear conic optimization problems having general convex uncertainty sets*  
Discussant: Maarten van der Vlerk (RUG)
- 15.00 – 15.30 Martijn van Brink (UM)  
*Express Package Delivery Problem*  
Discussant: Leo van Iersel (CWI)

### Session B (Room 1)

- 14.00 – 14.30 Herman Blok (UL)  
*A generalized  $\mu$ -c rule for the K-competing queues model with customer impatience*  
Discussant: Marko Boon (TU/e)
- 14.30 – 15.00 Maartje van de Vrugt (UT)  
*Blocking probabilities in Erlang loss queues with advance reservation*  
Discussant: Floske Spieksma (UL)
- 15.00 – 15.30 Aleida Braaksma (UT/AMC)  
*Integral resource capacity planning for inpatient care services*  
Discussant: Ger Koole (VU)

### Session C (Room 2)

- 14.00 – 14.30 Niek Baër (UT)  
*The PH/PH/1 multi-threshold queue*  
Discussant: Bert Zwart (CWI)
- 14.30 – 15.00 Eleni Vatamidou (TU/e)  
*Improved approximations for the M/G/1 queue*  
Discussant: Nelly Litvak (UT)
- 15.00 – 15.30 Maria Frolova (CWI)  
*Random fluid limit of an overloaded polling model*  
Discussant: Maria Vlasiou (TU/e)

### Session D (Room 13a)

- 14.00 – 14.30 Judith Mulder (EUR)  
*Designing robust liner shipping schedules: Optimizing recovery actions and buffer times*  
Discussant: Werner Scheinhardt (UT)
- 14.30 – 15.00 Qiushi Zhu (TU/e)  
*A condition-based maintenance policy for mult-component systems with optimal control limits and maintenance intervals*  
Discussant: Rommert Dekker (EUR)
- 15.00 – 15.30 Maximiliano Udenio (TU/e)  
*An analysis of the effect of response speed on the Bullwhip effect using control theory*  
Discussant: Adriana Gabor (EUR)