

### SATELLITE WORKSHOP 2

LEARNED METHODS FOR OPERATIONS RESEARCH

PROGRAMME - MONDAY 3 NOV 2025

09:30-10:00 Registration & Coffee/Tea

10:00-10:10 Welcome by Ilker Birbil

10:10-11:00 Jannis Kurtz- Deep Learning Enhanced Robust

and Bilevel Optimization

11:00-11:30 Coffee/Tea

11:30-12:00 Ward Romeijnders - Decomposition

algorithms for stochastic mixed-integer programs

12:00-12:30 Ahmadreza Marandi - Robust Spare Part Inventory

Management

12:30-13:30 Group Photo + Lunch

13:30–13:45 Christopher Hojny – Verifying Message-Passing Neural

Networks Via Topology-Based Bounds Tightening

13:45-14:00 Francesco Giliberto - Optimal Information Relaxation

Bounds for Multi-Stage Stochastic Optimization

14:00–14:15 Daan Otto – Coherent Local Explanations for Mathematical

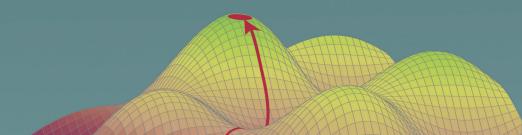
**Optimization** 

14:15-15:00 Coffee/Tea

15:00-16:00 Dimitris Bertsimas (online) - The R.O.A.D. to precision medicine

16:00-17:30 Reception at CWI Forum ('Dutch appetizers and drinks')







#### SATELLITE WORKSHOP 2

LEARNED METHODS FOR OPERATIONS RESEARCH PROGRAMME - TUESDAY 4 NOV 2025

09:50-10:00 Coffee/Tea

10:00-11:00 Andrea Lodi - The differentiable Feasibility Pump

11:00-11:30 Coffee/Tea

11:30–12:00 Joaquim Gromicho – Predicting Willingness to Vaccinate

While Optimizing Mobile Clinic Routes in Kenya

12:00–12:15 Steven Kelk - Al and proofs - things are moving quickly

12:15–12:30 Yukihiro Murakami – Open problem: Learning methods for

graph burning

12:30-13:30 Lunch

13:30–15:00 Open problems / discussion / collaboration

15:00-15:30 Coffee/Tea

15:30–16:30 Çağıl Koçyiğit – Integrating Machine Learning and

Optimization for Efficient, Fair, and Interpretable Allocation of

**Scarce Resources** 

19:00-22:30 Social dinner (De Kop van Oost)







#### SATELLITE WORKSHOP 2

LEARNED METHODS FOR OPERATIONS RESEARCH PROGRAMME - WEDNESDAY 5 NOV 2025

09:50-10:00 Coffee/Tea

10:00-11:00 Francis Bach - Denoising diffusion models without diffusions

11:00-11:30 Coffee/Tea

11:30–12:00 Leo van Iersel – Reconstructing phylogenetic networks by

combining cherry picking and machine learning

12:00–12:30 Lennart Kauther – On the Approximability of Train Routing and

the Min-Max Disjoint Paths Problem

12:30-13:30 Lunch

13:30-15:00 Open problems / discussion / collaboration

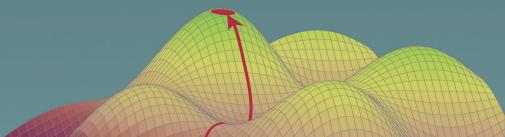
15:00-15:30 Coffee/Tea

15:30-16:30 Bart van Parys - Optimal Decisions with Messy Data and

Uncertainty









### SATELLITE WORKSHOP 2

LEARNED METHODS FOR OPERATIONS RESEARCH PROGRAMME - THURSDAY 6 NOV 2025

09:50-10:00 Coffee/Tea

10:00–11:00 Marleen Balvert – Uncovering the genetic causes of diseases

using machine learning and optimization

11:00-11:30 Coffee/Tea

11:30–12:00 Ilker Birbil – Towards Explainable Optimization: Current

Research and Open Problems

12:00-12:30 Lunch takeaway





