

Thank you sponsors!













	Monday 10 July	Tuesday 11 July	Wednesday 12 July	Thursday 13 July	Friday 14 July
	Welcome and Intro to Constraint Programming [Tias Guns]	Getting the Best out of Constraint Solvers: Portfolios and Automated Tuning [Lars Kotthoff]	Deep Learning & Combinatorial Optimization [Wouter Kool]	Learning a Value-Selection Heuristic Inside a Constraint Programming Solver [Quentin Cappart]	Constraint Acquisition: Learning Constraint Models from Data [Dimos Tsouros]
	Coffee break Introduction to Machine Learning [Hendrik Blockeel]	Coffee break Lab: Algorithm Portfolios and Automated Tuning [Lars Kotthoff]	Coffee break Lab: Learning to Improve a Hybrid Genetic Search Algorithm [Wouter Kool]	Coffee break Lab: Solving combinatorial problems with SeaPearl [Quentin Cappart]	Coffee break Hackathon continuation
12:30	Lunch break at Alma2	Lunch break at Alma2	Lunch break at Alma2	Lunch break at Alma2	Lunch break at Alma2
14:00	Lab: Perception-based solving with CPMpy [Tias Guns]	Predict-then-optimize: A tour of the state-of-the-art using PyEPO [Elias Khalil]	Rambling Away from Decision- Focused Learning [Michele Lombardi]	Deep Reinforcement Learning For Industrial Optimization Problems [Yingqian Zhang]	Hackathon: wrapping up and student presentations
16:00	Coffee break End-to-end Constrained Optimization Learning [Ferdinando Fioretto] Optional: guided tour of	Coffee break Lab: Predict-then-optimize: a tour using PyEPO [Elias Khalil]	Coffee break Poster spotlight session Group picture	Coffee break Intro Hackathon, group formation and start	Coffee break
18:30	Leuven (short or long)	Optional: sports at sports	Poster session with walking dinner		
19:00 21:00		center	Optional: grabbing a drink at Oude Markt	Optional culture night: Museum M or Brewery/pub visit	Opt. Beleuvenissen festival (Oude markt: NL Rock, Vismarkt: Electro)

The speakers



Hendrik Blockeel



Quentin Cappart
Polytechnique Montreal



Ferdinando Fioretto Syracuse University



Tias Guns



Elias Khalil University of Toronto



Wouter Kool



Lars Kotthoff
University of Wyoming



Michele Lombardi

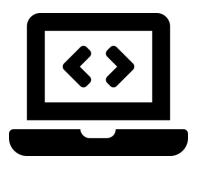
Università di Bologna



Dimos Tsouros



Yingqian Zhang



Lab sessions

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Monday Lab: Perception-based solving with CPMpy [Tias Guns]

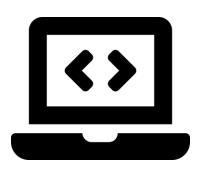
Tuesday Lab: Algorithm Portfolios and Automated Tuning [Lars Kotthoff]

Lab: Predict-then-optimize: a tour using PyEPO [Elias Khalil]

Wednesday Lab: Learning to Improve a Hybrid Genetic Search [Wouter Kool]

• Thursday Lab: Solving combinatorial problems with SeaPearl [Quentin Cappart]

Installation prepartion: see 'Show Details' on website



Hackathon



Your opportunity to more deeply explore techniques in a small group, e.g. things most relevant to your research

- Speakers provide open-ended topics for inspiration
- You make small groups per topic (ideally 3-5 people)
- Challenge yourself and brainstorm/experiment...
- Speakers can provide some guidance
- Share your insights in a presentation on Friday



Wednesday evening

- 16:00, 2-min poster spotlights
- 17:30, group picture +
 Start poster session
- 18:30, with walking dinner/reception
- 20:00, catering closes

Just across the street!



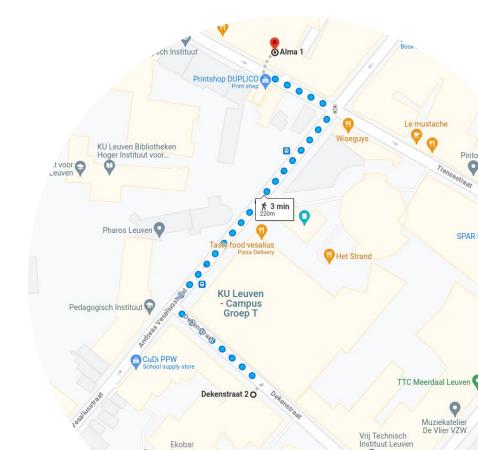
Lunch

Included, with voucher

Student restaurant just around the corner





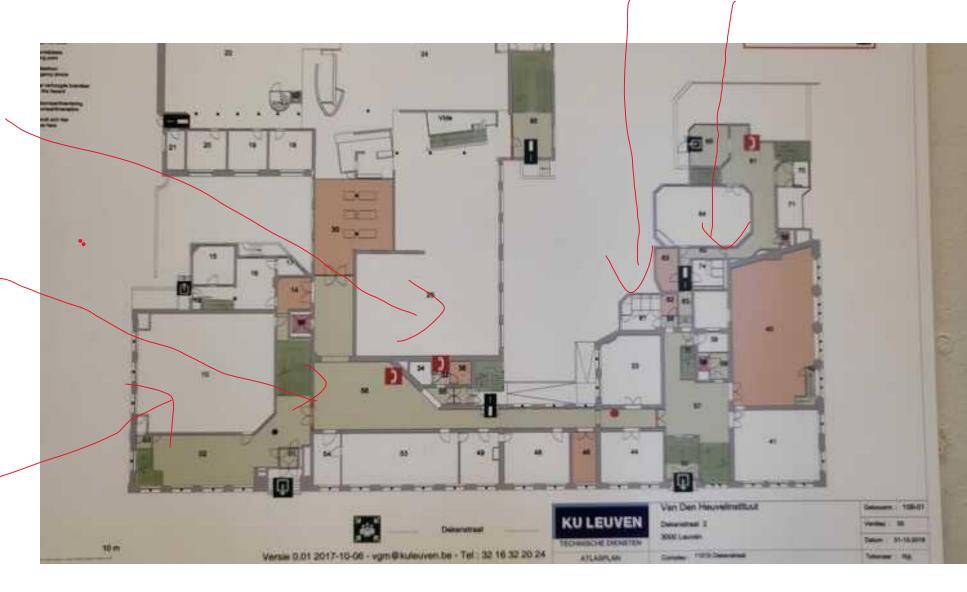


Hidden toilets

Outside

Coffee

You





Optional social activities

9.00 Welcome and turn to Constraint Programming Inscring 19 June 20 June 19 June 20 June 19 June 20 Ju

Monday Guided tour of Leuven (depart from here)

• Tuesday Sports* at the sports centre (meet at sports centre, 18:30)

Wednesday Drinks at oude markt (depart from poster session)

• Thursday Culture night*: Museum M or Pool/Table Football (TBA, 19:30)

• Friday Beleuvenissen Free Music Festival (TBA, 19:30)

All optional and laid-back (tickets/drinks not included)

^{*}write your name on registration desk sheet so we get a feeling for the amount of interest.

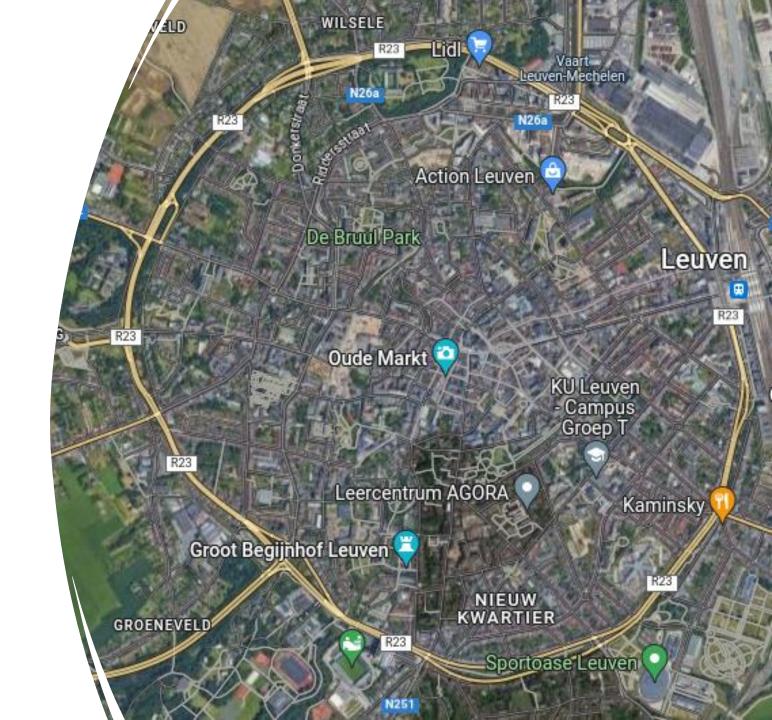
^{*}when in doubt, use whatsapp group

What else to do in Leuven?
Where to have dinner?

Let us show you Leuven!

Guided tour by PhD students Marco and Bastian, right after the talks.

(2 groups, optional longer tour afterwards)



Local advice: Belgian chocolates!

Chocolate:

- Delicious chocolate bars
- Any supermarket...
 - Cote d'or
 - Callebaut



Chocolates:

- 'pralines', mixed flavor delicacies
- Internationalised shops: Leonidas, Neuhaus
- Local shops: bittersweet, tartufo, think chocolate







We hope you learn a lot, and have a lot of fun!