

# EURO Meets NeurIPS 2022

## Vehicle Routing Competition



Presented by Wouter Kool

**ORTEC**

**EAISI** EINDHOVEN  
AI SYSTEMS  
INSTITUTE

**TU/e**

**EURO**  
THE ASSOCIATION OF  
EUROPEAN OPERATIONAL  
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**EWG**  
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DATA SCIENCE  
MEETS OPTIMIZATION

**EWG**  
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VEHICLE ROUTING  
AND LOGISTICS

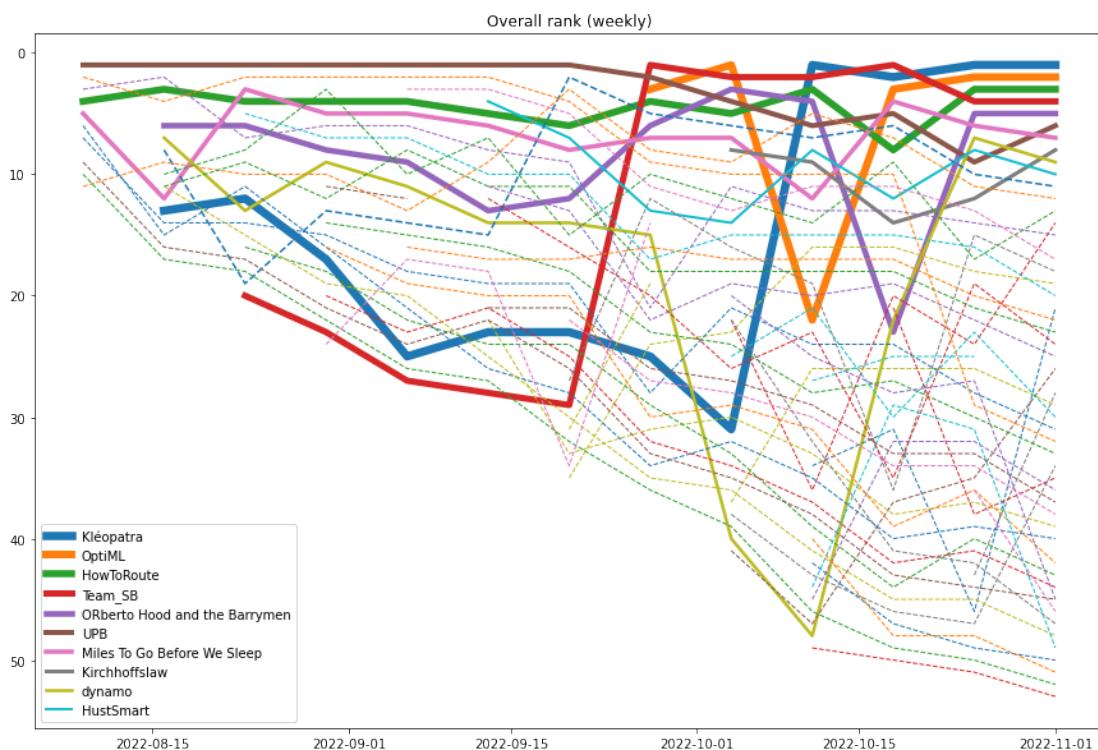
 NEURAL INFORMATION  
PROCESSING SYSTEMS

The logo consists of a circular arrangement of purple, branching, tree-like shapes of varying sizes.

# Leaderboard prizes

Weekly:

- 1st: 50 euros
- 2nd: 30 euros
- 3rd: 20 euros



	1	2	3	leaderboard_prize
UPB	7	1	0	380
Kléopatra	3	1	0	180
Team_SB	2	2	0	160
4pd_vrp	0	5	0	150
OptiML	1	2	2	150
HowToRoute	0	0	4	80
The Symbolic Routers	0	1	1	50
play_vrp	0	0	2	40
UBD	0	1	0	30
Quickest Route	0	0	1	20
Miles To Go Before We Sleep	0	0	1	20
ORberto Hood and the Barnymen	0	0	1	20
DMR_AJ	0	0	1	20



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<b>OptiML</b>	1	2	2	150

# Final ranking

rank	team	dynamic	static	static_rank	dynamic_rank	avg_cost	avg_rank
1	Kleopatra	348831.6	157200.6	2	1	253016.1	1.5
2	OptiML	359270.1	157188.7	1	3	258229.4	2
3	Team_sb	358161.4	157214.3	3	2	257687.8	2.5
4	HustSmart	361803.6	157227.2	5	4	259515.4	4.5
5	MTGBWS	369098.1	157224.1	4	7	263161.1	5.5
6	OrbertoHood	362481.1	157301.2	9	5	259891.2	7
7	HowToRoute	369797.0	157251.1	7	8	263524.0	7.5
8	Kirchhoffslaw	370670.5	157249.3	6	9	263959.9	7.5
9	UPB	367007.5	157322.4	10	6	262164.9	8
10	dynamo	90341073.0	157287.5	8	10	45249180.0	9
	greedy	399725.0	157265.0				



## Prizes

- 1. Kleopatra: 2022 euros
- 2. OptiML: 750 euros
- 3. Team\_sb: 500 euros



## Young Talent Award (250 euros)

- Awarded to best team with only PhD students
- The Young Talent Award goes to

*Kleopatra*



## Jury Prize (250 euros)

- Awarded to team that:
  - Offers a novel solution approach
  - Uses machine learning
  - Achieves good performance
  - Does not win first place
- The Jury Prize goes to

*Team\_sb*



## Prizes

- 1. Kleopatra: 2022 euros
- 2. OptiML: 750 euros
- 3. Team\_sb: 500 euros
- Young Talent: Kleopatra, 250 euros
- Jury Prize: Team\_sb, 250 euros
- + leaderboard prizes

## Final remarks

- Thank you all! The work was of excellent quality!
- Nice to see ML based approaches
  - Winning rank 1 and 2 for dynamic variant
- Great to see further improvements to HGS
- Results, papers, slides & recording will be available on website
- Looking forward to future work!
- Thibaut will discuss calls for papers!

# Thanks to organizers!

- Wouter Kool (ORTEC)
- Laurens Bliek (Eindhoven University of Technology)
- Danilo Numeroso (Università di Pisa)
- Robbert Reijnen (Eindhoven University of Technology)
- Reza Refaei Afshar (Eindhoven University of Technology)
- Yingqian Zhang (Eindhoven University of Technology)
- Tom Catshoek (Delft University of Technology)
- Kevin Tierney (Bielefeld University)
- Eduardo Uchoa (Universidade Federal Fluminense)
- Thibaut Vidal (Polytechnique Montréal)
- Joaquim Gromicho (ORTEC)

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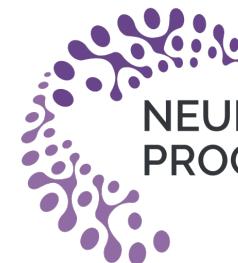
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