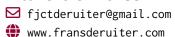
## Frans de Ruiter







Over nine years of experience in creating business value through analytics projects. I am resilient in stressful situations and eager to work with teams with complementary expertise.

# **Employment History**

2024 – Now Senior Manager Strategic Capacity Preparation ASML, Veldhoven.

- Part of the team responsible for evaluating strategic capacity levels for the long term horizon at ASML and main partners / suppliers.
- 2017 2024 **Senior Analytics Consultant** CQM, Eindhoven.
  - Project lead for analytic projects on supply chains and optimization (a.o. ASML).
  - Developer and trainer of data science courses for professional education.
- 2021 Now Senior Researcher (0.2 FTE) Wageningen University, Operations Research and Logistics.
  - Leading a university-industry consortium project on new techniques for stress testing supply chains. Funding acquired from Dinalog (500k).
  - Initiator of the Food Supply Chain Platform for university-industry collaboration.

### **Education**

2014 – 2018	Ph.D., Tilburg University Operations Research (cum laude).
	Thesis title: Primal and dual approaches to adjustable robust optimization.
2017 – 2017	Visiting Researcher, The Technion.
	Haifa Israel, Department of Industrial Engineering, hosted by Prof. Aharon Ben-Tal.
2015 – 2016	Visiting Researcher, Massachusetts Institute of Technology (MIT).
	Cambridge US, Operations Research Center, twice hosted by Prof. Dimitris Bertsimas.
2013 - 2014	M.Sc. , London School of Economics in Applicable Mathematics (cum laude).
2012 - 2013	<b>M.Sc.</b> , <b>Tilburg University</b> in Management Science & Operations Research (cum laude).

## **Miscellaneous**

### **Ancillary activities**

2022 – Now **Board member**. Dutch Operations Research Society (Nederlands Genootschap van Besliskunde).

A.o. organizing annual conference in Soesterberg for experts in industry and academia.

#### Media

Record breaking mathematics problem solved, 20.000 kilometer fietsen en je hebt ieder monument gezien, NRC, page 3, September 10, 2021.

# Miscellaneous (continued)

### **Selected Awards**

Finalist 2024 Franz Edelman Award "Optimizing mobility for elderly and disabled Dutch citizens using taxis."

Finalist EURO Common Good Prize, presented the CQM/Transvision/Geodan project.

Van Zwet Award, Honorable mention for my PhD thesis received during the annual meeting of the Dutch Society for Statistics and Operations Research.

MSc thesis, Haya Freedman prize for best thesis at the mathematics department of the London School of Economics.

**MSc thesis**, VVSOR prize for best Statistics and Operations Research thesis written in the Netherlands.

## **Skills**

Languages | Fluent in Dutch and English.

Programming Python, Julia (mathematical programming)

# **Academic publications**

- F. J. C. T. de Ruiter, J. M. van Rooij, P. Hulsen, et al., "Optimizing mobility for elderly and disabled dutch citizens using taxis.," To appear in INFORMS Journal on Applied Analytics, 2024.
- F. J. C. T. de Ruiter, J. Zhen, and D. den Hertog, "Dual approach for two-stage robust nonlinear optimization. operations research," *To appear in Operations Research*, 2022.
- J. Zhen, F. J. C. T. de Ruiter, E. Roos, and D. den Hertog, "Robust optimization for models with uncertain soc and sdp constraints," *INFORMS Journal on Computing*, vol. 34, no. 1, pp. 196–210, 2021.
- F. J. C. T. de Ruiter, A. Ben-Tal, R. C. M. Brekelmans, and D. den Hertog, "Robust optimization of uncertain multistage inventory systems with inexact data in decision rules," *Computational Management Science*, vol. 14, no. 1, pp. 45–66, 2017.
- D. Bertsimas and F. de Ruiter, "Duality in two-stage adaptive linear optimization: Faster computation and stronger bounds," *INFORMS Journal on Computing*, vol. 28, no. 3, pp. 500–511, 2016, **2017**INFORMS Optimization Society Student Prize.
- F. J. C. T. de Ruiter, R. C. M. Brekelmans, and D. den Hertog, "The impact of the existence of multiple adjustable robust solutions," *Mathematical Programming*, vol. 160, no. 1, pp. 531–545, 2016, **APMOD Best Student Paper Prize**.
- F. J. C. T. de Ruiter and N. L. Biggs, "Applications of integer programming methods to cages," *The Electronic Journal of Combinatorics*, vol. 22, no. 4, P4.35, 2015.