

CONTACT INFORMATION Tilburg School of Economics and Management
Econometrics and Operations Research
Warandelaan 2, 5037 AB Tilburg, office K421
Tel: +31134664559

Homepage: <https://www.tilburguniversity.edu/staff/w-j-e-c-vaneekelen>
ORCID: <https://orcid.org/0000-0003-2598-2330>
✉ E-mail: w.j.e.c.vaneekelen@tilburguniversity.edu

RESEARCH INTERESTS **Stochastic processes:** Markov processes, queueing theory, heavy-traffic scaling regimes, inverting generating functions and laplace transforms
Decision making under uncertainty: stochastic programming, robust optimization, distributionally robust optimization
Convex optimization: linear programming, semidefinite programming, semi-infinite programming, generalized moment problems

EDUCATION **Tilburg University**, Tilburg, Netherlands 2019–present

- Ph.D. in Operations Research, Department of Econometrics and Operations Research
- First supervisor: Prof. dr. Johan S.H. van Leeuwen, Tilburg University and (part-time affiliation) Eindhoven University of Technology
- Second supervisor: Prof. dr. ir. Dick den Hertog, University of Amsterdam

Eindhoven University of Technology, Eindhoven, Netherlands 2016–2019

- M.Sc., Dual Degree: Industrial & Applied Mathematics and Operations Management & Logistics
- GPA: 9/10 (cum laude)
- 247 ECTS (170 credits required)
- Thesis: “Transient Optimization of Capacitated Supply Chain Operations Planning with Lost Sales” (9.5/10)

Eindhoven University of Technology, Eindhoven, Netherlands 2013–2016

- B.Sc., Industrial Engineering & Management Sciences
- GPA: 9/10 (cum laude)
- 200 ECTS (180 credits required)
- Thesis: “A Large Neighborhood Search Approach for the Vehicle Routing Problem with Back-hauling” (9.0/10)

PUBLICATIONS **Publications in peer-reviewed journals:**

- van Eekelen, W., den Hertog, D., and van Leeuwen, J.S.H. (2022). MAD dispersion measure makes extremal queue analysis simple. *INFORMS Journal on Computing*. ePub ahead of print January 12, <https://doi.org/10.1287/ijoc.2021.1130>.
- Roos, E., Brekelmans, R., van Eekelen, W., den Hertog, D., and van Leeuwen, J.S.H. (2022). Tight tail probability bounds for distribution-free decision making. *European Journal of Operational Research*, 299(3):931–944.
- van Eekelen, W. and van Leeuwen, J.S.H. (2022). Distributionally robust views on queues. *Queueing Systems*. Forthcoming.

Working papers:

- “Robust knapsack ordering for a partially-informed newsvendor with budget constraint,” with Guus Boonstra and Johan S.H. van Leeuwen

Work in progress:

- “Distributionally robust analysis of appointment systems with independent service times,” with Dick den Hertog and Johan S.H. van Leeuwaarden
- “Semi-infinite programming techniques to obtain tight bounds for conditional expectations,” single authored

TEACHING
EXPERIENCE

Tilburg University:

- **Decision Making under Uncertainty** 2019–present
- **Data Analytics for Non-Life Insurance** 2020–present
- **Supply Chain Analytics** 2020–present
- **Thesis supervision:**
 - Guus Boonstra, M.Sc. Business Analytics and Operations Research, “The Distribution-Free Newsvendor Model: A Mean-MAD approach,” 2021

RELEVANT
SKILLS
(PROFICIENCY)

Software skills:

- **Programming languages:** Java (intermediate), Julia (advanced), Python (advanced), R (intermediate)
- **Scientific computing:** Mathematica (advanced), MATLAB (advanced)
- **Software tools:** AIMMS (intermediate), L^AT_EX (advanced), Microsoft Excel (advanced)

Languages: Dutch (native), English (fluent), German (basic), French (basic)

REFERENCES

Prof. dr. ir. **Dick den Hertog**
University of Amsterdam
E-mail: d.denhertog@uva.nl

Prof. dr. **Johan S.H. van Leeuwaarden**
Tilburg University
E-mail: j.s.h.vanleeuwaarden@tilburguniversity.edu