Curriculum Vitae of Johan S.H. van Leeuwaarden
(March, 2022)

Johan van Leeuwaarden (PhD in Mathematics, top honors 2005) is Professor of Stochastic Operations Research (SOR) at Tilburg University. SOR covers such topics as probability theory, stochastic processes, and stochastic optimization—topics relevant for OR but also for other fields. NWO Veni Grant (2006), ERC Starting Grant (2010), INFORMS Erlang Prize (2012), NWO Gravitation Grant (2014), Young Academy membership (2015), and NWO Vici grant (2021).

Employment and education

Since 2019	Full professor, chair Stochastic Operations Research, Tilburg University
2019-2021	Full professor, part-time, TU Eindhoven
2012-2019	Full professor, chair Stochastic Networks, TU Eindhoven
2011-2018	Director Graduate Program (MSc and PhD) of Mathematics, TU Eindhoven
2010-2012	Associate professor of Mathematics, TU Eindhoven
2006-2010	Assistant professor of Mathematics, TU Eindhoven
2005-2008	Adjunct/visiting professor, NYU, Columbia University, Osnabrück, Carleton University
2005-2006	Postdoc, EURANDOM
06/13/2005	PhD degree in Mathematics, TU Eindhoven
08/30/2002	PDEng degree in Mathematics, Stan Ackermans Institute, TU Eindhoven
05/25/2000	Master's degree in Econometrics and Operations Research, Tilburg University

Research interests (areas and topics)

Stochastic Operations Research; Stochastic Networks; Markov Processes
Probability Theory; Applied Probability; Queueing Theory; Random Graphs
Robust Optimization, Decision Making under Uncertainty, Mechanism Design
Statistical Physics; Randomized Algorithms; Interacting Particle Systems
Complex Analysis; Functional Analysis; Asymptotic Analysis

Editorships

Associate editor with INFORMS Mathematics of Operations Research (2016-...), Stochastic Models (2019-...), SIAM Journal on Applied Mathematics (2011-2017), Queueing Systems (2011-2015), Operations Research Letters (2009-2013), STAtOR (2009-2017)

Teaching and supervision

Supervision of many bachelor, master and PhD projects. Currently teaching bachelor course on basic Markov chains and applications, and master course on stochastic optimization. Both courses use self-written lecture notes and Python codes. Taught courses in probability theory, stochastic simulation, mathematical finance, actuarial science, credit risk, MBA statistics, stochastic networks. Served as academic director of the master and PhD programs in mathematics (2011-2018), responsible for content and quality of mathematics curriculum.

Research output

140+ peer reviewed journal and conference papers, available at Google scholar and arXiv:

- `https://scholar.google.nl/citations?user=Zrv4oQIAAAAJ&hl=nl&oi=ao`
- `https://arxiv.org/search/?query=leeuwaarden&searchtype=all&source=header`