





Maria Vlasiou

 Stochastic Processing Interacting Networks
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I. Earned Degrees

Sept. 2009 – Mar. 2011 Certificaat Basiskwalificatie Onderwijs, 3TU.Onderwijs
Sept. 2002 – Jan. 2005 Diploma in Mathematics of Operations Research, LNMB
Sept. 2002 – Oct. 2006 PhD in Mathematics, Eindhoven University of Technology.
Advised by Prof. Dr. I.J.B.F. Adan
Oct. 2001 – Jan. 2002 Attendance of Masters of Science programmes in i) Mathematics, ii) Financial Mathematics, iii) Mathematics Education, Universität Bielefeld
Sept. 1998 – July 2002 BSc Mathematics (summa cum laude), Aristotle University of Thessaloniki

II. Employment History

Apr. 2024 – present Hypatia Professor, University of Twente
Jan. 2024 – present Director of LNMB, the Dutch Network on the Mathematics of Operations Research
Mar. 2020 – present Full Professor, University of Twente
Jan. 2009 – present Research Fellow, EURANDOM
Aug. 2014 – Jan. 2024 Associate Professor, Eindhoven University of Technology
May 2010 – Mar. 2018 Scientific staff member, Centrum Wiskunde & Informatica (CWI)
Aug. 2008 – July 2014 Assistant Professor, Eindhoven University of Technology
July 2007 – July 2008 Postdoctoral Fellow, Georgia Institute of Technology
Nov. 2006 – July 2007 Research Engineer II, Georgia Institute of Technology
Sept. 2002 – Oct. 2006 Graduate Research Assistant, EURANDOM

III. Experience

A. Leadership Roles

- Director Dutch Network on the Mathematics of Operations Research (LNMB)
The director of LNMB is responsible with the leadership, management, and strategic direction of the network, tasked with an executive role. This national role involves:
 - * Setting up and overseeing the execution of the national graduate programme in operations research
 - * Organising the national congress in operations research
 - * Managing the operations of the network, and overseeing its financial control
 - * Coordinate all national research groups in setting up the national agenda in operations research
 - * Collaborate with other national organisations in mathematics
- International committees / boards on women in mathematics
I am very active in the broader international mathematical community, often representing the Netherlands and Europe in international bodies; see [Section VII.A3](#). The roles involve:
 - * Representation, networking, advocacy, information dissemination, collaboration, reporting, and events organisation for international agencies
 - * Advisory role and drafting policy recommendations for national and international agencies
 - * Data collection in a national context
- President of the national association of women in mathematics
I have chaired the Dutch association of women in mathematics (> 300 members), EWM-NL, for 5

years. Under my leadership, the association tripled its members and became the most recognised association of its kind globally, now serving as the de facto model to other sister associations. Some activities in this role have been:

- * Advocacy with NWO on gender-neutral funding policies
- * Advocacy with “Het Rectoren College der Nederlandse Rectores Magnifici” on gender-neutral tenure and promotion policies
- * Organisation of > 5 events per year for the community
- * Collaboration with national associations (e.g. KWG), events (e.g. NMC), and media (e.g. NAW) on the representation, networking and information dissemination on women in mathematics
- * Mentoring and Outreach; see also [Section VII.A](#)

— Steering Committee member of the IPCEI-CIS project MISD

I am a member of the Steering Committee of MISD, representing the interests of the University of Twente in the project. The total project budget is €53M, with €34M funded through IPCEI and involves 80+ researchers. The role comprises:

- * Determining the strategic direction of the project
- * Responsibility for the budget
- * Decisions on Intellectual Property
- * Arbitration between partners
- * Decision on all budget, research, personnel, and organisational mutations

B. Academic Organisation Roles

— Chair Technical Programme (Scientific) Committee of international and national conferences

I have ample experience in the organisation of major events (> 250 participants); see [Section VII.A5](#). The role involves:

- * Determined the programme committee (5–50 members)
- * Responsible for programme / keynote speakers
- * Coordinating refereeing process of > 100 submissions and issuing final determinations
- * Coordinating with organising committee

— Associate editor of international journals in Operations Research and Industrial Engineering

I have >15 years editorial experience; see [Section VII.A1](#). The role involves:

- * Coordinating refereeing process and advising Editor in Chief on final determinations
- * Co-determining priorities of the publication
- * Deciding on publication awards and invited manuscripts
- * Improving the quality of the refereeing process and the publication

— Panel member of funding agencies and institutes

I have > 10 years of combined experience as panelist or board member of international agencies; see [Section VII.A2](#). The role involves:

- * Provide expertise to assess the scientific merit and feasibility of proposed research projects.
- * Participate in panel discussions and deliberations to determine the selection of projects that align with the agency’s funding priorities and objectives.
- * Contribute to the development of consensus reports or recommendations regarding the selection and funding of research projects.
- * Maintain confidentiality and ensure the integrity of the review process by maintaining the confidentiality of proposal content and discussions.
- * Promote diversity, equity, and inclusion by considering the potential impact of proposed research on underrepresented groups and encouraging equitable access to opportunities.

C. Educational Leadership Roles

— Coordinator INFORMS UPS G. Smith prize application

I conceived and led the process of nominating and defending the application of the Industrial and

Applied Mathematics Master programme (TU/e) for this international award. The role included:

- ★ Prepare the complete application package
- ★ Liaison between INFORMS and TU/e
- ★ Prepare finalist's package, present and defend the application
- ★ Coordinate with services and committees at the university
- ★ Present the programme as a keynote speaker at international meetings
- ★ Coordinate media campaign and local ceremonies
- ★ Author research paper on the innovative aspects of the programme
- ★ Support other international graduate programmes with their application for this award

— Chair of the Didactics Committee

- ★ Advise the Programme Committee on curriculum development
- ★ Establish guidelines on assessment and evaluation
- ★ Explore topics on educational research and teaching methodologies
- ★ Ensure the alignment between the department's curriculum and broader institutional standards

— Modelling week coordinator

- ★ Establish contacts with industry
- ★ Procure new projects each year
- ★ Assure the disciplinary fit and alignment with the learning goals of the projects
- ★ Communicate with industrial partners pertaining to all logistical issues
- ★ Help co-organise the modelling week

— Student mentor and coach

Selected faculty at TU/e serve as student mentors (for the MSc programme) or coaches (for the BSc programme). The role involves:

- ★ Help students in making a coherent individualised study programme
- ★ Provide information and assistance to exchange students
- ★ Safeguard the programme's goals and quality

D. Management

— Associate chair cluster (> 150 fte). Some of the tasks in this role are:

- ★ Administrative oversight (budgeting, resource allocation, personnel)
- ★ Co-developing the strategic planning of the cluster
- ★ Advocating with the department's board regarding strategic priorities, personnel, and budget allocation
- ★ Responsible for the Awards and Prizes portfolio

— Chair departmental research evaluation

I have chaired or participated at the committee responsible for the midterm research evaluation of the department (TU/e and UT). The role involves:

- ★ Planning and organisation of the evaluation process
- ★ Committee leadership and coordination between all clusters
- ★ Data collection and analysis
- ★ Authoring the evaluation report
- ★ Communication with the evaluating committee
- ★ Follow-up, response to the evaluation, and long-term monitoring

Overview of the Appendix

- ★ Scholarly Accomplishments
- ★ Grants and Contracts
- ★ Teaching
- ★ Service
- ★ Honours and Awards
- ★ Outreach and Skills

APPENDIX

IV. Scholarly Accomplishments

A. Published Books and Parts of Books

1. M.H.M. Christianen, M. Vlasiou, and B. Zwart. Comparing power flow models in tree networks with stochastic load demands. *Invited paper*. In: *Operations Research and Enterprise Systems*. Editors: Federico Liberatore, Slawo Wesolkowski, Marc Demange, Greg H. Parlier. Book Series: *Communications in Computer and Information Science*, eISSN: 1865-0937, Springer, 2024.
<https://link.springer.com/book/9783031496615>
2. M. Vlasiou. Renewal processes with costs and rewards. *Invited paper*. *Encyclopedia of Operations Research and Management Science*, edited by James J. Cochran, 2011.
3. M. Vlasiou. Regenerative processes. *Invited paper*. *Encyclopedia of Operations Research and Management Science*, edited by James J. Cochran, 2011.
4. M. Vlasiou. Lindley-type recursions. PhD thesis, Eindhoven University of Technology, 2006.

B. Refereed Publications

5. A. Janicka, F. Sloothaak, and M. Vlasiou. Scale-free cascading failures: Generalized approach for all simple, connected graphs. Submitted.
6. Y. Yeager, W. Geelen, and M. Vlasiou. Approximations for the ASIP tandem queue. Submitted.
7. D. Schol, M. Vlasiou, and B. Zwart. Extreme values for the waiting time in large fork-join queues. Submitted. DOI: [10.48550/arXiv.2309.08373](https://doi.org/10.48550/arXiv.2309.08373)
8. D. Schol, M. Vlasiou, and B. Zwart. Maximum waiting time in heavy-tailed fork-join queues. Submitted.
<https://arxiv.org/abs/2211.02313>
9. M. Vlasiou, J. Zhang, and B. Zwart. Insensitivity of proportional fairness in critically loaded bandwidth sharing networks. Submitted.
<https://arxiv.org/abs/1411.4841>
10. M.H.M. Christianen, S.F.M. van Kempen, M. Vlasiou, and B. Zwart. Polyhedral restrictions of feasibility regions in optimal power flow for distribution networks. Accepted in *The IEEE Transactions on Control of Network Systems*.
DOI: [10.1109/TCNS.2025.3526718](https://doi.org/10.1109/TCNS.2025.3526718)
11. F. Verdaasdonk, M. Vlasiou, G. Hoogsteen, and J. Hurink. Relation between electrical grid congestion and bus characteristics. In the proceedings of the *IEEE PES Innovative Smart Grid Technologies (ISGT Europe 2024)*, October 2024, Dubrovnik, Croatia.
12. B.D. Sherlock, M.A.A. Boon, M. Vlasiou, and A. Coster. The distance between: An algorithmic approach to comparing stochastic models to time-series data. *Bulletin of Mathematical Biology*, **86**, article 111, 2024. **ANZIAM MBSIG Best Student Paper Prize 2024**.
DOI: [10.1007/s11538-024-01331-y](https://doi.org/10.1007/s11538-024-01331-y)
13. M. Christianen, H. Lam, M. Vlasiou, and B. Zwart. Importance sampling of rare events for distribution networks with stochastic loads. Accepted as invited paper at *2024 Winter Simulation Conference*.
14. A. Di Bucchianico, F. Spieksma, and M. Vlasiou. Learning by doing: The Industrial and Applied Mathematics program at the Eindhoven University of Technology. Accepted in *INFORMS Journal on Applied Analytics*.
DOI: [10.1287/inte.2023.0046](https://doi.org/10.1287/inte.2023.0046)
15. M. Buist, R. Vaisman, M. Vlasiou. Improved likelihood estimation for noisy Gamma degradation processes via sequential Monte Carlo. *Communications in Statistics – Simulation and Computation*, June 2024, pp 1–25.
DOI: [10.1080/03610918.2024.2358128](https://doi.org/10.1080/03610918.2024.2358128)
16. M. Meijer, D. Schol, W.V. Jaarsveld, M. Vlasiou, and B. Zwart. Optimization of inventory and capacity in large-scale assembly systems using extreme-value theory. *Stochastic Systems*, **14**(2) : 131–166, 2024.
DOI: [10.1287/stsy.2022.0014](https://doi.org/10.1287/stsy.2022.0014)

17. Y. Yegeer, O.J. Boxma, J. Resing, and M. Vlasiou. ASIP tandem queues with consumption. *IFIP Performance 2023*. Extended abstract: *SIGMETRICS Performance Evaluation Review*, **51**(4) : 14–15, 2024.
DOI: [10.1145/3649477.3649486](https://doi.org/10.1145/3649477.3649486)
18. Y. Yegeer, O.J. Boxma, J. Resing, and M. Vlasiou. ASIP tandem queues with consumption. *Performance Evaluation*, **163**, 102380, 2024.
DOI: [10.1016/j.peva.2023.102380](https://doi.org/10.1016/j.peva.2023.102380)
19. D. Schol, M. Vlasiou, and B. Zwart. Tail asymptotics for the delay in a Brownian fork-join queue. *Stochastic Processes and their Applications*, **164** : 99–138, 2023.
DOI: [10.1016/j.spa.2023.06.013](https://doi.org/10.1016/j.spa.2023.06.013)
20. V. Engbers, R. Gündlach, M. Regis, and M. Vlasiou. Measuring effects of mini-lectures on improving student engagement and outcomes. *51st SEFI Annual Conference of the European Society for Engineering Education*, September 2023. **Finalist best practice paper**.
DOI: [10.21427/MPG1-QC26](https://doi.org/10.21427/MPG1-QC26)
21. M.H.M. Christianen, J. Cruise, A.J.E.M. Janssen, S. Shneer, M. Vlasiou, and B. Zwart. Comparison of stability regions for a line distribution network with stochastic load demands. *Queueing Systems*, **103**, 187–239, 2023.
DOI: [10.1007/s11134-023-09873-z](https://doi.org/10.1007/s11134-023-09873-z)
22. M.H.M. Christianen, M. Vlasiou, and B. Zwart. Simulation study for the comparison of power flow models for a line distribution network with stochastic load demands. In *Proceedings of the 12th International Conference on Operations Research and Enterprise Systems*, ISBN 978-989-758-627-9; ISSN 2184-4372, pages 167–174, 2023.
DOI: [10.5220/0000170500003396](https://doi.org/10.5220/0000170500003396)
23. M.H.M. Christianen, A.J.E.M. Janssen, M. Vlasiou, and B. Zwart. Asymptotic analysis of Emden–Fowler type equation with an application to power flow models. *Indagationes Mathematicae*, **34**(5) : 1146–1180, 2023.
DOI: [10.1016/j.indag.2022.12.001](https://doi.org/10.1016/j.indag.2022.12.001)
24. J.S. Giraldo, N. Bañol Arias, P.P. Vergara, M. Vlasiou, G. Hoogsteen, and J.L. Hurink. Estimating risk-aware flexibility areas for electric vehicle charging pools via AC stochastic optimal power flow. *Journal of Modern Power Systems and Clean Energy*, **11**(4) : 1247–1256, 2023.
DOI: [10.35833/MPCE.2022.000452](https://doi.org/10.35833/MPCE.2022.000452)
25. A. Aveklouris, M. Vlasiou, and B. Zwart. A fluid model of an electric vehicle charging network. *Stochastic Systems*, **12**(2) : 133–225, 2022.
DOI: [10.1287/stsy.2021.0084](https://doi.org/10.1287/stsy.2021.0084)
26. D. Schol, M. Vlasiou, and B. Zwart. Large fork-join queues with nearly deterministic arrival and service times. *Mathematics of Operations Research*, **47**(2) : 1335–1364, 2022.
DOI: [10.1287/moor.2021.1171](https://doi.org/10.1287/moor.2021.1171)
27. M. Vlasiou. Queues on interacting networks. *Queueing Systems* **100** : 553–555, 2022.
DOI: [10.1007/s11134-022-09771-w](https://doi.org/10.1007/s11134-022-09771-w)
28. F. Sloothaak, J. R. Cruise, S. Shneer, M. Vlasiou, and B. Zwart. Complete resource pooling of a load balancing policy for a network of battery swapping stations. *Queueing Systems*, **99** : 65–120, 2021.
DOI: [10.1007/s11134-021-09707-w](https://doi.org/10.1007/s11134-021-09707-w)
29. Z. Palmowski and M. Vlasiou. Speed of convergence to the quasi-stationary distribution for Lévy input fluid queues. *Queueing Systems*, **96** : 153–167, 2020.
DOI: [10.1007/s11134-020-09664-w](https://doi.org/10.1007/s11134-020-09664-w)
30. A. Aveklouris, M. Vlasiou, and B. Zwart. A stochastic resource-sharing network for electric vehicle charging. *The IEEE Transactions on Control of Network Systems*, **6**(3) : 1050–1061, 2019.
DOI: [10.1109/TCNS.2019.2915651](https://doi.org/10.1109/TCNS.2019.2915651)
31. A. Aveklouris, M. Vlasiou, and B. Zwart. Bounds and limit theorems for a layered queueing model in electric vehicle charging. *Queueing Systems*, **93**(1) : 83–137, 2019.
DOI: [10.1007/s11134-019-09616-z](https://doi.org/10.1007/s11134-019-09616-z)
32. A. Aveklouris, M. Vlasiou, J. Zhang, and B. Zwart. Heavy-traffic approximations for a layered network with limited resources. *Probability and Mathematical Statistics*, **37**(2) : 497–532, 2017.

DOI: [10.19195/0208-4147.37.2.15](https://doi.org/10.19195/0208-4147.37.2.15)

33. A. Aveklouris, Y. Nakahira, M. Vlasidou, and B. Zwart. Electric vehicle charging: a queueing approach. *ACM SIGMETRICS Performance Evaluation Review*, **45**(2) : 33–35.
DOI: [10.1145/3152042.3152054](https://doi.org/10.1145/3152042.3152054)
34. E. Vatamidou, I.J.B.F. Adan, M. Vlasidou, and B. Zwart. Asymptotic error bounds for truncated buffer approximations of a 2-node tandem queue. Proceedings of the *Ninth International Conference on Matrix-Analytic Methods in Stochastic Models*, 2016.
35. J.L. Dorsman, N. Perel, and M. Vlasidou. Server waiting times in infinite supply polling systems with preparation times. *Probability in the Engineering and Informational Sciences*, **30**(2) : 153–184, 2016. DOI: [10.1017/S0269964815000339](https://doi.org/10.1017/S0269964815000339)
36. J.L. Dorsman, S.C. Borst, O.J. Boxma, and M. Vlasidou. Markovian polling systems with an application to wireless random-access networks. *Performance Evaluation*, **85–86** : 33–51, 2015.
DOI: [10.1016/j.peva.2015.01.008](https://doi.org/10.1016/j.peva.2015.01.008)
37. J.L. Dorsman, M. Vlasidou, and B. Zwart. Heavy-traffic asymptotics for networks of parallel queues with Markov-modulated service speeds. *Queueing Systems*, **79**(3) : 293–319, 2015.
DOI: [10.1007/s11134-014-9422-x](https://doi.org/10.1007/s11134-014-9422-x)
38. J.L. Dorsman, S. Bhulai, and M. Vlasidou. Dynamic server assignment in an extended machine-repair model. *IIE Transactions*, **47**(4) : 392–413, 2015.
DOI: [10.1080/0740817X.2014.928962](https://doi.org/10.1080/0740817X.2014.928962)
39. E. Vatamidou, I.J.B.F. Adan, M. Vlasidou, and B. Zwart. On the accuracy of phase-type approximations of heavy-tailed risk models. *Scandinavian Actuarial Journal*, **2014**(6) : 510–534, 2014.
DOI: [10.1080/03461238.2012.729154](https://doi.org/10.1080/03461238.2012.729154)
40. Z. Palmowski, M. Vlasidou, and B. Zwart. A Lévy input fluid queue with input and workload regulation. *Queueing Systems*, **76**(1) : 21–36, 2014.
DOI: [10.1007/s11134-013-9358-6](https://doi.org/10.1007/s11134-013-9358-6)
41. E. Vatamidou, I.J.B.F. Adan, M. Vlasidou, and B. Zwart. Corrected phase-type approximations of heavy-tailed queueing models in a Markovian environment. Proceedings of the *Eighth International Conference on Matrix-Analytic Methods in Stochastic Models*. *Stochastic Models*, **30**(4) : 598–638, 2014. **Received the Marcel Neuts Student Paper Award.**
DOI: [10.1080/15326349.2014.956227](https://doi.org/10.1080/15326349.2014.956227)
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43. E. Vatamidou, I.J.B.F. Adan, M. Vlasidou, and B. Zwart. Corrected phase-type approximations for the workload of the MAP/G/1 queue with heavy-tailed service times. *ACM SIGMETRICS Performance Evaluation Review – Special issue on the 31st international symposium on computer performance, modeling, measurements and evaluation (IFIPWG 7.3 Performance 2013)*, **41**(2) : 53–55, 2013.
DOI: [10.1145/2518025.2518036](https://doi.org/10.1145/2518025.2518036)
44. J.L. Dorsman, M. Vlasidou, and B. Zwart. Parallel queueing networks with Markov-modulated service speeds in heavy traffic. *ACM SIGMETRICS Performance Evaluation Review – Special issue on the 31st international symposium on computer performance, modeling, measurements and evaluation (IFIPWG 7.3 Performance 2013)*, **41**(2) : 47–49, 2013.
DOI: [10.1145/2518025.2518034](https://doi.org/10.1145/2518025.2518034)
45. J.L. Dorsman, O.J. Boxma, and M. Vlasidou. Marginal queue length approximations for a two-layered network with correlated queues. *Queueing Systems*, **75**(1) : 29–63, 2013.
DOI: [10.1007/s11134-012-9338-2](https://doi.org/10.1007/s11134-012-9338-2)
46. E. Vatamidou, I.J.B.F. Adan, M. Vlasidou, and B. Zwart. Corrected phase-type approximations of heavy-tailed risk models using perturbation analysis. *Insurance Mathematics and Economics*, **53**(2) : 366–378, September 2013. **Received the 3rd prize at the 8th conference in Actuarial Science, Samos, 2014.**
DOI: [10.1016/j.insmatheco.2013.07.002](https://doi.org/10.1016/j.insmatheco.2013.07.002)
47. N. Perel, J.L. Dorsman, and M. Vlasidou. Cyclic-type polling models with preparation times. *2nd International Conference on Operations Research and Enterprise Systems*, pp. 14–23, February 2013.

Received the Best Paper Award. DOI: [10.5220/0004206500140023](https://doi.org/10.5220/0004206500140023)

48. R. Bossier, M. Vlasiou, and I.J.B.F. Adan. Analytic properties of two-carousel systems. *Probability in the Engineering and Informational Sciences*, **27**(1) : 57–84, 2013.
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51. N. Litvak and M. Vlasiou. A survey on performance analysis of warehouse carousel systems. *Invited paper. Statistica Neerlandica*, **64**(4) : 401–447, 2010.
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52. M. Vlasiou, Z. Palmowski. Tail asymptotics for a random sign Lindley recursion. *Journal of Applied Probability*, **47**(1) : 72–83, 2010.
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DOI: [10.1016/j.ejor.2008.01.027](https://doi.org/10.1016/j.ejor.2008.01.027)
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DOI: [10.1198/jasa.2008.s220](https://doi.org/10.1198/jasa.2008.s220)
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DOI: [10.1017/S0269964808000065](https://doi.org/10.1017/S0269964808000065)
56. O.J. Boxma, M. Vlasiou. On queues with service and interarrival times depending on waiting times. *Queueing Systems*, **56**(3–4) : 121–132, 2007.
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DOI: [10.1007/s11134-007-9029-6](https://doi.org/10.1007/s11134-007-9029-6)
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DOI: [10.1016/j.orl.2005.12.004](https://doi.org/10.1016/j.orl.2005.12.004)
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C. Posters

62. A. Janicka, F. Sloothaak, and M. Vlasiou. Scale-free cascading failures: Generalized approach for all simple, connected graphs. 59th Dutch National Mathematical Congress, Utrecht, April 2–3, 2024.
63. M.H.M. Christianen, M. Vlasiou, and B. Zwart. Comparison of power flow models in a queueing framework. 23rd Conference of the International Federation of Operational Research Societies.
64. D. Schol, M. Vlasiou, and B. Zwart. Extreme Values of Large Fork-Join Queues. Stochastic Networks Conference, Ithaca, June 20–24, 2022.
65. A. Aveklouris, M. Vlasiou, and B. Zwart. Stochastic networks for electric vehicle charging. Stochastic Networks Conference, Edinburgh, June 18–22, 2018.

66. A. Aveklouris, M. Vlasίου, and B. Zwart. Queueing Networks for Electric Vehicle Charging. 54-th Dutch National Mathematical Congress, Veldhoven, April 3–4, 2018.
67. E. Vatamidou, I.J.B.F. Adan, M. Vlasίου, and B. Zwart. Corrected phase-type approximations for heavy-tailed queueing models in a Markovian environment. The 2014 Stochastic Networks Conference, Amsterdam, June 23–27, 2014.
68. E. Vatamidou, I.J.B.F. Adan, M. Vlasίου, and B. Zwart. Corrected phase-type approximations for the workload of the MAP/G/1 queue with heavy-tailed service times. YEQT VII Workshop, Scheduling and Priorities in Queueing Systems, EURANDOM, November 4–6, 2013.
69. E. Vatamidou, I.J.B.F. Adan, M. Vlasίου, and B. Zwart. Corrected phase-type approximations for the workload of the MAP/G/1 queue with heavy-tailed service times. 7th International Conference on Lévy Processes: Theory and Applications, Wrocław, July 15–19, 2013.

D. Other Publications

70. M. Vlasίου and H. Breman. Wiskunde voor het grootste en het kleinste en voor de toekomst. Pythagoras **65**(4), 2025.
71. H. Breman and M. Vlasίου. Ontdekkingsreiziger in de Wiskunde. Pythagoras **64**(2) : 14–17, 2024.
72. H. Breman and M. Vlasίου. Van golven naar wavelets. Pythagoras **64**(1) : 10–13, 2024.
<https://pyth.eu/van-golven-naar-wavelets>
73. P. Barford, M. Vlasίου, L. Ying. Editorial: Special issue on IFIP performance 2023. Performance Evaluation, **163**, 102393, 2024.
DOI: [10.1016/j.peva.2023.102393](https://doi.org/10.1016/j.peva.2023.102393)
74. P. Barford, M. Vlasίου, L. Ying. Message from the Technical Program Committee Chairs. SIGMETRICS Performance Evaluation Review, **51**(4) : 3, 2024.
DOI: [10.1145/3649477.3649480](https://doi.org/10.1145/3649477.3649480)
75. M. Vlasίου. Being a graduate of IAM is a source of pride. Supremum **50**(1) : 5–7, 2023. ([link](#))
76. A. Di Bucchianico and M. Vlasίου. Prestigious INFORMS UPS George D. Smith Prize for the Industrial and Applied Mathematics Master programme of TU/e. European Consortium for Mathematics in Industry Blog. ([link](#))
77. S. Hendriks, H. Melkonian, and M. Vlasίου. Women in Mathematics. (Poster printed at several journals and exhibitions, available [here](#).)
78. M. Vlasίου. Looking back: the past five years of EWM-NL – Nieuw Archief voor Wiskunde 5/23 nr. 2 juni 2022.
79. M. Vlasίου, and A. Kruseman. Thematic poster on women in mathematics in the Netherlands. World Meeting for Women in Mathematics, Rio de Janeiro, July 31, 2018.

E. Presentations in the past 5 years

E1. Keynote Addresses and Plenary Lectures

- | | |
|-----------|--|
| Oct. 2022 | Learning by Doing at the Eindhoven University of Technology. INFORMS Annual meeting 2022 |
| Feb. 2022 | Setting up a national network. Red de Mujeres Matemáticas, Ecuador |
| Feb. 2022 | The value of networking. 2nd Austrian Day of Women in Mathematics |

E2. Invited Conference and Workshop Presentations

- | | |
|-----------|--|
| Aug. 2024 | Stochastic reflection workshop. Isaac Newton Institute |
| Aug. 2024 | Large Fork-Join Stochastic Networks. 11th World Congress in Probability and Statistics 2024, Bochum |
| Dec. 2022 | Using Videos To Increase Motivation And Improve Learning Outcomes Of Students. 4TU.CEE TU/e Innovation Fund conference |
| Jul. 2022 | Fork-Join Queues. EURO 2022, Espoo |
| Jul. 2022 | Queues on interacting networks. First Workshop of Greek Women in Mathematics |

- Apr. 2022 UPS George D. Smith Prize Winner Reprise, INFORMS Business Analytics Conference 2022, Houston
- Apr. 2022 UPS George D. Smith Prize Competition, INFORMS Business Analytics Conference 2022, Houston
- Jul. 2021 Large Fork-join Networks With Nearly Deterministic Arrival And Service Times. EURO 2021, Athens
- Nov. 2020 Large Fork-join Networks With Nearly Deterministic Arrival And Service Times. INFORMS annual meeting, National Harbor, USA

E3. Invited Seminar Presentations

- *Oct. 2024 Scale-free cascading failures: Generalized approach for all simple, connected graphs, INFORMS Annual Meeting, Seattle
- Nov. 2022 Power Systems and Applied Probability. DAMUT-colloquium, *University of Twente*.
- Apr. 2022 Power Systems and Applied Probability: Electric Vehicles, AI for Energy and Sustainability Think Tank seminar series, *TU Delft AI Energy Lab and the PowerWeb Institute*.

E4. Other Presentations

- Oct. 2024 Educating in the Age of AI: Future-proofing OR Practitioners. Invited panelist, INFORMS Annual Meeting, Seattle
- May 2024 Finding Joy in Grant Writing: Turning Setbacks into Stepping Stones. Strategic Business Development, University of Twente
- Feb. 2023 Women in Academia: challenges and best practices. Women in Nonlinear Dispersive PDEs workshop, Banff International Research Station
- Dec. 2022 Activities in the Netherlands by the Dutch association of women in mathematics. EWM coordinators meeting
- Jun. 2022 Fitting in: working across cultures. Female Faculty Network Twente
- June 2022 Mathematics in Diaspora. 1st Women Mathematicians in Cyprus Networking Event, Cyprus
- Apr. 2022 Innovative aspects of the Master programme in Industrial and Applied Mathematics. Department Dialogue, TU/e
- Apr. 2022 Addressing the gender imbalance in mathematics: Practical steps that have been successful in the Netherlands. African Women in Mathematics (AWiM) Conferences and Seminars, *Stellenbosch University*
- Apr. 2022 EWM-NL annual report presentation. National Mathematics Congress
- Mar. 2022 Study+ Studying with extra support. Department Dialogue, TU/e
- Mar. 2022 Greek Women in Mathematics inaugural podcast
- Feb. 2022 General Assembly of the Committee for Women in Mathematics. International Mathematical Union
- Oct. 2021 Using Videos To Increase Motivation And Improve Learning Outcomes Of Students. INFORMS annual meeting
- Jun. 2021 Panelist Insight Out. NWO
- Feb. 2021 "What's cooking". National Mathematics Congress
- Nov. 2020 Researcher researched. Interview with Abacus, University of Twente
- Oct. 2020 EWM-NL annual report presentation. EWM coordinators meeting
- Apr. 2019 EWM-NL annual report presentation. National Mathematics Congress

F. Other Professional Activities

F1. Visiting Professorships and Long-term Visits

- ★ *Stochastic systems for anomalous diffusion* programme, Newton Institute, Cambridge, Aug.–Oct. 2024
- ★ 2017 AMSI-ANZIAM Lecturer. Australian Mathematical Sciences Institute, February 2017

- ★ *Algorithms and Uncertainty* programme, Simons Institute for the Theory of Computing, Berkeley, November–December 2016
- ★ Hong Kong University of Science and Technology, February 2012 and March 2013
- ★ California Institute of Technology, March 2011
- ★ Tel Aviv University, May 2010
- ★ *Stochastic Processes in Communication Sciences* programme, Newton Institute, Cambridge, March and May 2010
- ★ Columbia University, July 2009
- ★ Georgia Institute of Technology, February 2009
- ★ Wrocław University, May and June 2008, April and May 2009, April 2010, July 2013
- ★ Duke University, February 2007
- ★ Twente University, October 2006
- ★ Indian Statistical Institute, May 2006

F2. Development

Attendance of the training courses:

- ★ “Qualifier workshop for PhD supervisors”, developed by Jan Jacob de Groot, University of Twente, 2024
- ★ “Mindlab”, developed by Ellen Giebels, University of Twente, 2024
- ★ “Active Bystander Training”, developed by Su Nandy and Scott Solder, Facilitator: Mo Forgan, 8 June 2023
- ★ “Hoe geef ik een goede Dit Doe Ik Gastles?”, by Tess Schoneveld - project manager VHTO, 2022
- ★ “Inclusief werkgeverschap: je persoonlijke invloed op het diversiteitsbeleid in de organisatie”, by Rahel de Vriend (senior project manager VHTO), 2022
- ★ “Publishing Ethics-case studies workshop” - Taylor and Francis, 2020
- ★ “Research & Publishing Ethics – Ethics and Integrity in Scholarly Publishing”, Taylor and Francis, 2020
- ★ “Optimizing Peer Review”, Taylor and Francis, 2020
- ★ “Post-publication Amplification”, Taylor and Francis, 2020
- ★ “Open Science workshop”, Taylor and Francis, 2020
- ★ “Inclusive Selection and Assessment”, by Sandra Doelman, Talent naar de Top, 2020
- ★ “Academic Leadership for Associate Professors”, by GITP, 2019
- ★ “Awareness in Selection processes and inclusive evaluation”, by Sandra Doelman, Talent naar de Top, 2018
- ★ “Dealing with Work Pressure”, by ElroyCOM, 2017
- ★ “Performance Skills: Master Class”, by Greep, 2017
- ★ “Conflict Management”, by Brigitte Hertz, 2017
- ★ “Gender Bias in the reviewing process”, National Science Foundation (NSF-USA), 2013 and 2015
- ★ “Academic Leadership for Assistant Professors”, by Eva Wiltingh BV, 2011
- ★ Obtained the University Teaching Qualification (BKO) diploma, 2010
- ★ “(IS) Information Security – What Every Business Manager Faculty & Researcher Should Know”, Georgia Tech, 2007

V. Grants and Contracts

A. As Principal and Co-Principal Investigator

1. “Sequential decision making”. 4TU.AMI Strategic Research Initiative, 2025-2026. €20.000
2. NWO Scientific Meetings and Consultations Domain Science, 2024. €11.700
3. “Modular and Integrated Sustainable Datacenter”. Important Projects of Common European Interest (IPCEI), 2024 – 2028. €34.075.448
4. Hypatia Professorship. University of Twente, 2024 – 2028. €203.558
5. Stimulation Project Application Funds. EEMCS Faculty, University of Twente, 2023. €10.000

6. "The mathematics of stochastic transport and signalling in cells". Australian Research Council, 2020 – 2025. AUD 879.655
7. "MEMI: Measurable effects of mini-lectures on improving student engagement and outcomes". 4TU.CEE Innovation Funds, 2020. €10.000
8. M&CS internal proposal for teaching innovation, 2020. €3600
9. "Stochastic processes driven by non-convex resource allocation problems". TOP-Grant research scheme, Dutch Research Council (NWO), 2019 – 2023. €249.038
10. Visitor grant. Dutch Stochastics cluster (STAR), 2018. €1500
11. "Complexity in high-tech manufacturing". Complexity in Transport and Logistics research scheme, Dutch Research Council (NWO), 2017 – 2021. €866.090
12. "Limited resources in layered networks". TOP-Grant research scheme, Dutch Research Council (NWO), 2014 – 2018. €216.600
13. Visitor grant. Dutch Stochastics cluster (STAR), 2012. €2000
14. "Layered queuing networks". Individual grant in the MEERVOUD programme, Dutch Research Council (NWO), 2012 – 2018. €207.000
15. "Analysis of limited resource sharing models". Samenwerking Hong Kong – Joint Research Scheme (JRS). Dutch Research Council (NWO), 2011 – 2013. €6000 + HKD 60.000
16. "Error Bounds for Structured Markov chains". Free Competition. Dutch Research Council (NWO), 2010 – 2013. €215.013
17. "Multilayered queuing systems". Dutch Stochastics cluster (STAR) through a grant by the Dutch Research Council (NWO), 2010 – 2011. €100.000
18. Conference support. Dutch Research Council (NWO), 2010. €2250
19. Travel and visitor grant. Eindhoven University of Technology, Logistics Operations and Information Systems, 2010. €700
20. Conference support guarantee. Centre for Telematics and Information Technology, University of Twente, 2010. €1000
21. Conference support guarantee. Eindhoven University of Technology, 2010. €2000
22. Travel grant. Applied Probability Society, Ithaca, 2009. €700
23. Travel grant. Eindhoven University of Technology, Logistics Operations and Information Systems, 2009. €700
24. Personal grant in the Women in Science framework, Eindhoven University of Technology, 2008 – 2014. €250.000
25. Full scholarship for post-graduate studies from the legacy of L. Athanasoula, Aristotle University of Thessaloniki, 2003 – 2007. €45.000
26. Erasmus grant for attendance of the Masters programme at the university of Bielefeld. European Union, Education, Audiovisual and Culture Agency Executive Agency , 2001 – 2002. €2500
27. Travel grant for attending a summer course on Management, in Eindhoven, The Netherlands. Board of European Students of Technology, 2001. €500
28. Greek State Scholarships Foundation: Excellence in undergraduate studies. 2000, 2001
29. Greek State Scholarships Foundation: 1st place in admittance exams. 1998

B. As Coordinator or Investigator

30. ICAI lab "AI for Energy Grids" in the LTP ROBUST programme, NWO, 2023 – 2032
31. LLP bilateral agreement (Erasmus programme) and follow ups of this programme. Agreements with 5 universities. European Union, Education, Audiovisual and Culture Agency Executive Agency, 2009 – 2017

VI. Teaching

A. Individual Student Guidance

A1. PhD Students

- 2024 – Denise Graafsma. "Energy-efficient data-center scheduling"

- ★ Member of the IPCEI EU project “Modular Integrated Sustainable Datacenters”
 - ★ Co-advised with A. Antoniadis (UT) and R. Hoeksma (UT)
- 2023 – Flin Verdaasdonk. “Decentralised control of electricity flows”
 - ★ Member of the ICAI ROBUST lab “AI for Energy Grids”
 - ★ Co-advised with J.L. Hurink (UT) and G. Hoogsteen (UT)
- 2022 – Agnieszka Janicka. “The emergence of heavy tails in stochastic networks”
 - ★ Recipient 2024 Silver KWG Poster Competition prize
 - ★ Recipient 2023 Gold KWG Poster Competition prize
 - ★ Co-advised with F. Sloothaak (TU/e)
- 2022 – Brock Sherlock. “The mathematics of stochastic transport and signalling in cells”
 - ★ Recipient ANZIAM MBSIG Best Student Paper Prize 2024, ANZIAM Mathematical Biology Group
 - ★ Recipient Best Thesis Pitch Presentation, University of New South Wales Science Postgraduate Research Showcase 2024
 - ★ Recipient Landahl Travel Grant 2023, Society of Mathematical Biology
 - ★ Co-advised with A. Coster (UNSW) and M. Boon (TU/e)
- 2019 – 2024 Mark Christianen. “Performance of power flow models in stochastic distribution networks” ([link](#))
 - ★ First position: **D-Data**
 - ★ Co-advised with B. Zwart (CWI)
- 2018 – 2023 Dennis Schol. “Extreme-value theory for large fork-join queues” ([link](#))
 - ★ Co-advised with B. Zwart (CWI)
- 2015 – 2020 Angelos Aveklouris. “Layered stochastic networks with limited resources” ([link](#))
 - ★ First position: Booth School of Business, The University of Chicago
 - ★ Co-advised with B. Zwart (CWI)
- 2010 – 2015 Eleni Vatamidou. “Error analysis of structured Markov chains”. ([link](#))
 - ★ First position: INRIA, Sophia Antipolis
 - ★ *Seal of Excellence* for a Horizon 2020 Marie Skłodowska-Curie proposal, European Commission
 - ★ Winner of Marcel Neuts Student Paper Award
 - ★ 3rd prize at the 8th Conference in Actuarial Science
 - ★ Finalist Beta PhD Award 2017
 - ★ Co-advised with I.J.B.F. Adan (TU/e) and B. Zwart (CWI)
- 2010 – 2015 Jan-Pieter Dorsman. “Layered queueing networks : performance modelling, analysis and optimisation”. ([link](#))
 - ★ First position: Mathematical Institute, Leiden University
 - ★ Runner-up Willem R. van Zwet Award 2015
 - ★ Finalist Stieltjes prize 2015
 - ★ **Winner** of ICORES 2013 Best Paper Award
 - ★ Co-advised with R. van der Mei (CWI) and O.J. Boxma (TU/e)
- 2010 – 2014 Nir Perel. “The Israeli queue, and polling systems with preparation times”
 - ★ First position: Shenkar College of Engineering and Design, Ramat Gan
 - ★ **Winner** of The Abraham Mehrez Prize for Excellent Work of a Graduate Student in Operations Research
 - ★ **Winner** of ICORES 2013 Best Paper Award
 - ★ Co-advised with U. Yechiali (Tel Aviv University)

A2. MSc Students

- Fall 2024 Cintha Kooistra — in progress
- Spring 2023 Wesley Geelen. “Applying the PSA algorithm to ASIP queuing networks”
- Spring 2022 Merel Buist. “The estimation performance of several particle filtering algorithms on the likelihood estimator of parameters of the gamma process under noisy data”
- Spring 2022 Jop Zwienenberg. “A Markovian approach to mobile user classification with semantic location data in mobility chains” ([link](#))
- Spring 2022 Hanneke Valkenburg. “Exploratory research on the effects of strategic behaviour in long-term defence planning. a game-theoretic approach” ([link](#))
- Fall 2016 Aukje Boef. “Analyzing the dock performance in a Jumbo distribution center” ([link](#))
- Fall 2016 Simon Voorberg. “Using demand to prevent ageing and depreciation” ([link](#))
- Spring 2014 Eleni Sergidou. “Comparison of ruin probability approximations in case of real data”. ([link](#))
- Spring 2009 Hsin-Ning Yeh. “Optimization Scheduling in Health Care Facilities. Case Studies of Rijndam Revalidation Center & Erasmus Medical Center”. ([link](#))

A3. Independent Study with Graduate Students

- 2020 Agnieszka Janicka. Internship with LIME
- Fall 2020 Leander van der Bijl. Internship with PCA
- Fall 2020 Ilona Hoenderop. Internship with Sioux Technologies
- Fall 2016 Myrte de Junker. Internship with LIME
- Spring 2016 Simon Voorberg. Internship with FloraHolland
- Fall 2009 Tong Sun. Studies in Epidemiology
- Spring 2009 Hanne Deckers. Internship with the Port of Singapore Authority
- Spring 2009 Koen Staats (PDEng). Sponsored research with the Port of Singapore Authority

A4. Undergraduate Students

- 2022 Margriet Eijken. “Energy-efficient data-center scheduling ” ([link](#))
Received the best thesis presentation award of the department.
- 2022 Vincent Engbers. “Effects of extracurricular videos on the grades of students and their engagement” ([link](#))
- 2021 Vivianne Dijkstra. “Simulation study of a newsvendor game in a two-server fork-join queue” ([link](#))
- 2021 Trudy Vos. “Insulin-induced GLUT4 translocation” ([link](#))
- 2020 Vivianne Dijkstra. “Simulation study of a newsvendor game in a two-server fork-join queue”
- 2020 Agnieszka Janicka. “A two-class terror queue model” ([link](#))
Received the Thesis Award 2021 as the best BSc thesis of the Bachelor Program Applied Mathematics completed in 2020.
- 2020 Erik de Wit. “Modeling congestion at waterways entrances” ([link](#))
- 2018 Floris Tulner. “Stochastic models for battery swapping schemes” ([link](#))
- 2018 Luuk de Vlugt. “Disruption risk management” ([link](#))
- 2016 Sander Kerstens. “Maritime transportation: evaluating sojourn times in narrow water passages under disruptions”

A5. Mentorship of Postdoctoral Fellows

- ★ Yaron Yeager, 2022–2023

A6. Service on Thesis or Dissertation Committees

- ★ Sezen Ece Kayacik, “Optimization Under Uncertainty Approaches for Green Hydrogen Adoption”, PhD thesis, University of Groningen, 2025

- ★ Zhuldyzay Baki, “Comprehensive monitoring and prediction of seismicity within the Groningen gas field using large-scale field observation”, PhD thesis, University of Twente, 2025
- ★ Jesse van Rhijn, “Rigorous Analysis of Local Search”, PhD thesis, University of Twente, 2025
- ★ Femke Wienk, “Preventing Machine Crashes in a Single- and Multi-Unit System using Markov Decision Processes”, MSc thesis, University of Twente, 2024
- ★ Linpeng Zhang, “Turán problems for hypergraphs: avoiding path or star forests”, PhD thesis, University of Twente, 2024
- ★ Anouk Beursgens, “Optimal aftercare flows”, MSc thesis, University of Twente, 2024
- ★ Marieke Kootte, “Integrated electrical steady-state power flow simulations on transmission and distribution networks”, PhD thesis Delft Technical University, 2024
- ★ Diego Goldszajn, “Fluid limits and optimal task assignment policies for locally pooled service systems”, PhD thesis, Eindhoven University of Technology, 2023
- ★ Daan Velthuis, “Accelerating iterative methods for the anisotropic radiative transfer equation using Anderson acceleration”, BSc thesis University of Twente, July 2023
- ★ Wendy Olsder, “Optimization models for faster and affordable access to rare disease treatments public”, PhD thesis, Eindhoven University of Technology, 2023
- ★ Daan Roordink, “Machine learning, more than mean-learning: On multivariate distributional regression techniques and evaluation metrics”, MSc thesis, Eindhoven University of Technology, 2023
- ★ Mark van der Boor, “Hyper-scalable load balancing”, PhD thesis Eindhoven University of Technology, 2021
- ★ Ioannis Linardos, “Effects of behaviour adaptation on the spread of infectious disease on networks with community structures”, MSc thesis University of Twente, 2021
- ★ Jori van Falier, “Towards proving a Marchenko-Pastur law for dependent random matrices with decaying covariances”, MSc thesis, Eindhoven University of Technology, 2021
- ★ Tommaso Nesti, “Stochastic analysis of energy networks”, PhD thesis, Eindhoven University of Technology, 2020
- ★ Fiona Sloothaak, “Criticality in power networks – a probabilistic approach”, PhD thesis, Eindhoven University of Technology, 2020
- ★ Abby Berkers, “Local search for a waste collection problem with a multi-day horizon and deterministic time-dependent demands”, MSc thesis, Eindhoven University of Technology, 2020
- ★ Emil Johannesson, “Incorporating performance indicators in the decision-making process for predictive maintenance”, MSc thesis, Eindhoven University of Technology, 2020
- ★ Bo Chen, “Heavy tails: asymptotics, algorithms, applications”, PhD thesis, Eindhoven University of Technology, 2019
- ★ Bart Kamphorst, “Heavy-traffic behaviour of scheduling policies in queues”, PhD thesis, Eindhoven University of Technology, 2018
- ★ Femke van der Schoot, “Price directed control of bike sharing systems”, BSc thesis, Eindhoven University of Technology, 2017
- ★ Rosa Maria Siervo, “Short-term planning model for ASML field factory DUV/YS upgrades”, MSc thesis, Eindhoven University of Technology, 2016
- ★ Shida Xu, “Effects of timing variations on confidence of the aberration simulator”, MSc thesis, Eindhoven University of Technology, 2011
- ★ Paul Krijger, “De grootste wachtrij in Nederland”, BSc thesis, Eindhoven University of Technology, 2010
- ★ Mattijn Schutte, “Queuing systems with state-dependent service times”, BSc thesis, Eindhoven University of Technology, 2008

B. Courses Taught (past 5 years)

2020 – 2021	Instructor for: Modelling and Analysis of Stochastic Processes
2019 – 2024	Probability and Stochastics (MSc)
2014 – 2023	Healthcare management and modelling (Epidemiology)
2015 – 2023	Stochastic processes
2014 – 2019	Programmeren en Modelleren

C. Other Teaching Activities

2024 –	Programme director of the Dutch graduate programme in Operations Research, LNMB
2021 – 2023	Coordinator Modelling Week, TU/e
2020 – 2023	Mentor Industrial and Applied Mathematics Masters Programme
2019	Attendance of the professional development course “Formulating testable learning outcomes”, TEACH programme, Eindhoven University of Technology
2019	Attendance of the professional development course “Assessment analysis”, TEACH programme, Eindhoven University of Technology
2016 – 2018	Coach Bachelor College, Eindhoven University of Technology
Apr. 2016	Workshop on “Plagiarism Prevention”, Eindhoven University of Technology
2014 – 2017	Member of the University Teaching Qualification Assessment Committee
2014	Development of Epidemiology part in the course 1CK110 “Healthcare Management and Modelling”, Eindhoven University of Technology
2010 – 2013	Chair of the Didactics Committee of the department
2010	Obtained the University Teaching Qualification (BKO) diploma
Fall 2008	Attendance of University Teaching Qualification courses: “Supervising Masters Students”, “Supervising PhD students”, “Voice Training”, and of the “Evalueren” DPO training, Eindhoven University of Technology
Feb. 2008	Workshop on “The Assessment Process”, facilitated by Dr. Tristan Utschig and Dr. Jonathan Gordon, Georgia Institute of Technology
Fall 2001	Attendance of Master’s programme in Mathematics Education at Universität Bielefeld

VII. Service

A. Professional Contributions

A1. Editorial Board Memberships

- ★ Guest editor for *Performance Evaluation*, 2023
- ★ Associate editor for *INFOR*, 2022 – present
- ★ Associate editor for *OR Spectrum*, 2021 – present
- ★ Associate editor for *IIE Transactions*, 2017 – present
- ★ Associate editor for *Mathematical Methods of Operations Research*, 2016 – present

A2. Proposal Panels and Reviews

- ★ Slovak Research and Development Agency, 2024
- ★ Dutch Research Council (NWO): panelist 2018 – 2020, 2024
- ★ Lorentz-eScience Competition Review Board 2023
- ★ *Lorentz Center*, Scientific Advisory Board (Mathematics), Member: May 2017 – Dec. 2021
- ★ Israel Science Foundation (ISF): reviewer 2018
- ★ National Science Foundation USA (NSF): panelist 2014 – 2016

A3. Society Board Offices

- ★ LNMB, Dutch Network on the Mathematics of Operations Research, Director: 2024 – present
- ★ Member of the Advocacy Committee of the *European Women in Mathematics*: 2024 – present
- ★ Advisory board member of the Women in Science in Cyprus association: 2021 – present
- ★ Advisory board member of the *Greek Women in Mathematics* association: 2021 – present
- ★ Representative of the Netherlands on the *Committee for Women in Mathematics* of the *International Mathematical Union*: Feb. 2018 – present
- ★ Regional coordinator for the Netherlands in the *European Women in Mathematics*: 2017 – 2023
- ★ *EWM-NL*, Dutch association of women in mathematics, President: Jan. 2017 – Feb. 2022;

A4. Activities and Membership

- ★ The Royal Netherlands Society of Engineers (KIVI), Member Dec. 2021 – present
- ★ ATINER, Athens Institute for Education and Research, Member: 2016 – present
- ★ EWM-NL, Dutch association of women in mathematics, Member: 2013 – present
- ★ LNMB, Dutch Network on the Mathematics of Operations Research, Member: 2008 – present
- ★ BETA Research School for Operations Management and Logistics, Member: 2008 – present
- ★ WISE, Women in Science Eindhoven, Member: 2008 – present
- ★ INFORMS , Institute for Operations Research and Management Science. Member: 2003 – present
- ★ Representative of the students' body, Aristotle University of Thessaloniki 2001
- ★ Electoral Committee member for the students' General Elections, Aristotle University of Thessaloniki 2001

A5. Organization and Chairmanship of Technical Sessions, Workshops and Conferences

- ★ TPC member: **International Conference on Data Analytics**, 2021 – 2025
- ★ Chair technical session: INFORMS Annual Meeting 2024, Seattle
- ★ Invited session organiser & chair: 11th World Congress in Probability and Statistics, 2024
- ★ Chair TPC: **IFIP Performance 2023**
- ★ TPC member: **European Society for Engineering Education (SEFI) conference 2023**
- ★ Chair Scientific Committee & member of organisational committee: **58th Dutch National Mathematics Congress 2023**
- ★ Invited session organiser & chair: EURO 2022, Espoo
- ★ Invited session organiser & chair: 2021 INFORMS Annual Meeting, Anaheim
- ★ Programme committee member of 1st joint CWM-EWM regional meeting (Europe), 2021
- ★ TPC member: International Conference on Management Science and Engineering Management, Hangzhou, 2021
- ★ TPC member: **IV European Conference on Queueing Theory**, Madrid 2020
- ★ Invited session organiser & chair: Dutch National Mathematics Congress 2018, 2019, 2022
- ★ TPC member: 54th Dutch National Mathematics Congress 2018
- ★ Invited session organiser: 2017 INFORMS Annual Meeting, Houston
- ★ Invited session organiser: 19th INFORMS APS Conference 2017, Evanston
- ★ Plenary session chair, technical session chair, & discussant: 42nd conference on “The mathematics of operations research”, LNMB, Lunteren 2017
- ★ TPC member: **ICORES 2014 – 2025**; International Conference on Operations Research and Enterprise Systems
- ★ Chair technical session: ICORES 2013
- ★ Chair technical session & discussant: “The mathematics of operations research”, LNMB, Lunteren 2012, 2020
- ★ Organiser of the Beta Conference “Operations Management on the move”, Eindhoven, 2010
- ★ Organiser of the international workshop “Making Healthcare Processes Work”, Eindhoven, 2010
- ★ Host of Women in Science meeting, Eindhoven University of Technology 2009
- ★ Chair technical session: 14th INFORMS APS Conference 2007
- ★ Chair technical session: INFORMS Annual Meeting 2006
- ★ Local co-organiser of the EURO-NGI workshop *Rare Events in Communication Networks*, EURANDOM, February 2–5, 2005

A6. Technical Journal or Conference Referee Activities

Journals [39]: *Annals of Operations Research, Applied and Computational Mathematics, Applied Mathematical Modelling, Asia-Pacific Journal of Operational Research, Discrete Event Dynamic Systems, Encyclopedia of Operations Research and Management Science, European Journal of Operational Research, 4OR, IEEE Transactions on Automatic Control, IEEE Transactions on Automation Science and Engineering, IEEE Transactions on Control Systems Technology, Insurance: Mathematics and Economics, IISE Transactions, INFOR,*

Journal of Applied Mathematics and Computing, Journal of Applied Probability, Journal of Optimization Theory and Applications, Journal of the American Statistical Association, Journal of the Operational Research Society, Management Science, Manufacturing and Service Operations Management, Mathematical Reviews, Mathematics and Computers in Simulation, Mathematics of Operations Research, Naval Research Logistics, Operations Research, Operations Research for Health Care, Operations Research Letters, OR Spectrum, Performance Evaluation, Probability in the Engineering and Informational Sciences, Production and Operations Management, Queueing Systems, Statistica Neerlandica, Statistics and Probability Letters, Stochastic Models, The Indian Journal of Statistics, Transactions on Modeling and Computer Simulation, Transportation Research Part D: Transport and Environment

Conferences [9]: 63rd IEEE Conference on Decision and Control 2024, IFIP Performance 2023, European Society for Engineering Education (SEFI) conference 2023, Data Analytics 2021–2024, International Conference on Operations Research and Enterprise Systems (ICORES) 2014 – present, International Multi-Conference on Engineering and Technological Innovation: IMETI 2009–2014, 4th International Conference on Queueing Theory and Network Applications (QTNA) 2009, 2008 IEEE International Conference on Robotics and Automation, ValueTools 2008

A7. Other Involvement

- ★ INFORMS Resume Reviewer 2024
- ★ Book Proposal Reviewer for Discrete Mathematics Series, Elsevier, 2023
- ★ Working Group Master's curriculum, School of Applied Mathematical and Physics Science, National Technical University of Athens, 2022
- ★ Panelist Insight Out 2021, <https://www.insightoutevent.nl/>
- ★ Dutch Royal Mathematical Society PhD prize jury member 2020
- ★ Assisting the organisation of the European Girls Mathematics Olympiad 2020
- ★ Advisory Appointment Committee, Dept. Applied Mathematics, University of Twente, 2016

B. Public and Community Service

- ★ Mentor at the mentor network of the University of Twente
- ★ Mentor at the “Mentor Network” of EWM-NL
- ★ Volunteer and role model at VHTO, the Dutch national expert organisation on girls/women and science/technology, working on increasing the involvement of women in STEM education and employment.

C. Institute Committee Service

- ★ Midterm Review Committee of EEMCS, University of Twente, 2024
- ★ DEI Sounding Board EEMCS, University of Twente, April 2023 – present
- ★ Judging Panel EEMCS Graduation Award 2023, University of Twente
- ★ Assoc. chair SPOR cluster, M&CS, TU/e, January 2022 – December 2023
- ★ Faculty grants support team, University of Twente, 2022
- ★ Study+ Ambassador of M&CS, TU/e, 2021 – 2024
- ★ Diversity and Inclusion working group, University of Twente, 2021
- ★ Organiser MSc Colloquium, University of Twente, 2020 – present
- ★ Member Interdepartmental Committee (IFC) Basic Sciences, 2017 – 2024
- ★ Chair Midterm Review Committee of M&CS, TU/e, 2017
- ★ Member of the Advisory Appointment Committee of M&CS, TU/e, 2014, 2016, 2017
- ★ Member of the University Teaching Qualification Assessment (UTQ / BKO) Committee, TU/e, April 2014 – Dec. 2017
- ★ TU/e and Math & CS Ambassador, TU/e, 2012 – present
- ★ TU/e coordinator of the “Health” Research theme of the 3TU.AMI, 2012 – 2013
- ★ Chair of the Didactics Committee, M&CS, TU/e, Jan. 2010 – May 2013

VIII. Honours and Awards

A. Honours and Awards in Research

- ★ Hypatia Professorship, University of Twente, 2024
- ★ 2017 AMSI-ANZIAM Lecturer, Australian Mathematical Sciences Institute, 2017
- ★ Third prize in the 8th Conference in Actuarial Science & Finance, Samos, 2014
- ★ Marcel Neuts Student Paper Award, 8th Int'l Conference on Matrix-Analytic Methods, 2014
- ★ Best Paper Award, International Conference on Operations Research and Enterprise Systems, 2013
- ★ Finalist of the Greek Mathematical Olympiad "Archimedes" in 1996 and 1998
- ★ National Physics Competition "V. Xanthopoulos". First place: 1996 and 1997; second place: 1998

B. Honours and Awards in Education

- ★ Excellent Course Evaluation 2020/2021, TU/e
- ★ TU/e's Women Wall of Fame, 2017
- ★ Thank a Teacher certificate for excellence in teaching, Georgia Tech 2007, 2008
- ★ Summa cum laude BSc (ranked #2 in the department and degree grade 9.5/10), Aristotle University of Thessaloniki 2002
- ★ Excellence in undergraduate studies award, Greek State Scholarships Foundation, 1999 – 2001
- ★ 1st place in admittance exams award, Greek State Scholarships Foundation, 1998
- ★ Best student award, Greek Ministry of Education 1993 – 1998

IX. Outreach and Skills

A. Outreach

- ★ Press: Wachtrijen in het Wiskundelandschap, by H. Breman, in *Pythagoras* **64**(3) : 12–15, 2025
- ★ Press: **5 EEMCS mathematicians on the board of the national women's organisation**, September 2024
- ★ Interview: **Matemáticas en el mundo**, June 2022
- ★ Press: UPS Smith Prize Winner Reprise: Learning by Doing at the Eindhoven University of Technology. **ORMS**, 17 October 2022
- ★ Panellist: Solidarity in Science. WISE Network annual meeting, 10 October 2022
- ★ Interview: We are taking decisions based on bad numbers. **Cursor**, 8 April 2020
- ★ Lecture: Investment in Equality in Science. TINT & WISE Network event "Celebration of Women in Science", 11 February 2020
- ★ Video: Faces of Women in Mathematics. Participation to the IMU / CWM project. (**Video**)
- ★ Interview: Why the amount of queuing time depends on mathematics. **Medium**, 8 March 2017
- ★ Interview: Students gain most from maths-interests balance. **The Australian**, 22 February 2017
- ★ Several outreach activities in my role as the president of EWM-NL. E.g.: promoting the exhibition "Women of Mathematics Throughout Europe, a gallery of portraits" throughout Dutch universities; organising sessions at NMC on career tips for young professional mathematicians; policy suggestions at NWO, mathematics departments, and Dutch universities; supporting international activities for women in mathematics.
- ★ Interview: Een snelle knipbeurt of de schoonheid van een vergelijking. **Cursor**, 7 September 2006

B. Language skills

Dutch	fluent, Nederlands als tweede taal – Dutch Ministry of Education
English	fluent, Certificate of Proficiency in English – Cambridge University
German	very good, Mittelstufe – Goethe Institut
Greek	native speaker
Italian	very good, Diploma – Istituto Italiano di Cultura, Celi 3 – Università Perugia
Spanish	fluent, Superior – Ministro de Educación y Cultura del Reino de España