Ronald van Luijk

Curriculum Vitae
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Mathematisch Instituut
PO Box 9512
2300 RA Leiden
the Netherlands

Phone : +31 71 5277044
rvl@math.leidenuniv.nl
http://www.math.leidenuniv.nl/~rvl
link: Publications on Google Scholar

Affilliations

2019–	**Universiteit Leiden**, the Netherlands (full professor)
2014–2019	**Universiteit Leiden**, the Netherlands (associate professor)
2008–2014	**Universiteit Leiden**, the Netherlands (assistant professor)
2012 (Fall)	**École Polytechnique Fédérale de Lausanne (EPFL)**, Switzerland
2012 (Sum.)	**Centre Interfacultaire Bernoulli (CIB), EPFL**, Lausanne, Switzerland (visiting professor)
2008	**Warwick University**, Coventry, United Kingdom
2006–2008	**Pacific Institute for the Mathematical Sciences (PIMS), SFU/UBC**, Vancouver, Canada
2007 (Sum.)	**Jacobs University Bremen, International Center for Transdisciplinary Studies**, Germany
2006 (Fall)	**Universidad de los Andes**, Bogotá, Colombia (visiting professor)
2006 (Spr.)	**Mathematical Sciences Research Institute (MSRI)**, Berkeley, USA
2005 (Fall)	**Centre de Recherches Mathématiques (CRM)**, Montréal, Canada
2004 (Fall)	**Institut Henri Poincaré (IHP)**, Paris, France

Education

2005.05	**University of California at Berkeley**, USA Ph.D. in Mathematics (advisor : H.W. Lenstra, Jr.) Thesis title: *Rational points on K3 surfaces*
2000.06	**Universiteit Utrecht**, the Netherlands Doctoraalexamen in Mathematics (cum laude) Thesis title: *On perfect cuboids* (advisors: F. Beukers and B. Moonen)
1996	**Universiteit Utrecht**, the Netherlands Propedeuse in Mathematics (cum laude) Propedeuse in Computer Science (cum laude)

Grants

2008–	Various supporting grants for organized conferences
2023-2028	NWO-XL (3,000,000€), as one of six PI's (two from Leiden, Utrecht and Groningen) Consortium *Rational Points: new dimensions*
2012–2018	NWO Vidi grant (800,000€), Innovational Research Incentives Scheme *Counting points on surfaces*
2017	NWO Visitor grant (for Nils Bruin)
2012–2016	International Research Training Group, Berlin–Amsterdam–Leiden, NWO/DFG *Moduli and Automorphic Forms: Arithmetic and Geometric Aspects*
2012–2013	DIAMANT funding for two-year postdoc position (for Rachel Newton)
2007	Marie-Curie fellowship, University of Warwick
2006	PIMS postdoctoral fellowship, UBC/SFU, Vancouver
2006	Three year fellowship from Deutsche Forschungsgemeinschaft (DFG) (declined)
2000–2001	Talentenprogramma fellowship (NUFFIC)

Awards

2019	Nominated by Mathematical Institute for Faculty "Teacher of the year" award
2007	G. de B. Robinson Award for best paper in the Canadian Mathematical Bulletin
2003	Outstanding Graduate Student Instructor Teaching Award, UC Berkeley
1997–2000	First place in "Universitaire Wiskundecompetitie" (University Mathematical Competition for undergraduates in The Netherlands and Flanders)
1998	Timman prize for exceptional solution to the "Universitaire Wiskundecompetitie" (see above)
1996	Fourth place in "Universitaire Wiskundecompetitie" (see above)
1994, 1995	Bronze medal at International Mathematical Olympiad (IMO)

Peer-reviewed articles

1. On the Galois-invariant part of the Weyl group of the Picard lattice of a K3 surface (with W. Nijgh)
   To appear in *Indagationes Mathematica* (2024), arXiv:2304.14686
2. Concurrent lines on del Pezzo surfaces of degree one (with R. Winter)
   Mathematics of Computation, Volume 92 (2023), pp. 451–481
3. The action of the Weyl group on the E8 root system (with R. Winter)
   Graphs and Combinatorics, Volume 37 (2021), no. 6, 1965–2064
4. Finiteness theorems for K3 surfaces over arbitrary fields (with M. Bright and A. Logan)
   European Journal of Mathematics, Volume 6 (2020), 336–366
5. Unirationality of del Pezzo surfaces of degree two over finite fields (with D. Festi)
   Bulletin of the London Mathematical Society, Volume 48 (2016), 135–140
6. Computing Néron–Severi groups and cycle class groups (with B. Poonen and D. Testa)
   Compositio Mathematica, Volume 151 (2015), no. 4, 713–734
7. Density of rational points on Del Pezzo surfaces of degree one (with C. Salgado)
   Advances in Mathematics, Volume 261 (2014), 154–199
8. Explicit Selmer groups for cyclic covers of $\mathbb{P}^1$ (with M. Stoll)
   Acta Arithmetica, Volume 159 (2013), 133–148
9. The Cayley–Oguiso automorphism of positive entropy on a K3 surface
   (with D. Festi, A. Garbagnati, and B. van Geemen)
   Journal of Modern Dynamics, Volume 7, No. 1 (2013), 75–97
10. Density of rational points on elliptic surfaces
    Acta Arithmetica, Volume 156, no. 2 (2012), 189–199
11. Squares from blocks of consecutive integers: a problem of Erdős and Graham (with M.A. Bennett)
    Indagationes Mathematicae, Volume 23 (2012), 123–127
12. Two-coverings of Jacobians of curves of genus two (with D. Testa and V. Flynn)
    Proceedings of the London Mathematical Society, Volume 104, no. 2 (2012), 387–429
13. Cubics points on cubic curves and the Brauer-Manin obstruction for K3 surfaces
    Acta Arithmetica, Volume 146, no. 2 (2011), 153–172
14. On character varieties of two-bridge knot groups (with M. Macasieb and K. Petersen)
    Proceedings of the London Mathematical Society, Volume 103, no. 2 (2011), 473–507
15. Wehler K3 surfaces with Picard number 3 and 4
    Appendix to: Orbits of points on certain K3 surfaces, by Arthur Baragar
    Journal of Number Theory, Volume 131, Issue 3 (2011), 600–603
16. Lines on Fermat surfaces (with M. Schütt and T. Shioda)
    Journal of Number Theory, Volume 130 (2010), 1939–1963
17. Density of rational points on diagonal quartic surfaces (with A. Logan and D. McKinnon)
    Algebra and Number Theory, Volume 4, No. 1 (2010), 1–20
18. Nontrivial elements of Sha explained through K3 surfaces (with A. Logan)
    Mathematics of Computation, Volume 78 (2009), 441–483

19. Non-Euclidean Pythagorean triples, a problem of Euler, and rational points on K3 surfaces
Mathematical Intelligencer, Volume 30, No. 4 (2008), 4–10 (with R. Hartshorne)
20. The diameter of the circumcircle of a Heron triangle
Elemente der Mathematik, Volume 63, Issue 3 (2008), 118–121
21. K3 surfaces with Picard number one and infinitely many rational points
Algebra and Number Theory, Volume 1, No. 1 (2007), 1–15
22. K3 surfaces with Picard number three and canonical vector heights (with A. Baragar)
Mathematics of Computation, Volume 76 (2007), 1493–1498
23. An elliptic K3 surface associated to Heron triangles
Journal of Number Theory, Volume 123 (2007), 92–119
24. A K3 surface associated with certain integral matrices with integral eigenvalues
Canadian Mathematical Bulletin, Volume 49, No. 4 (2006), 560–577
25. Quartic K3 surfaces without nontrivial automorphisms
Mathematical Research Letters, Volume 13, No. 3 (2006), 423–439

Non-peer-reviewed publications

1. NMC Nieuwe stijl
Nieuw Archief voor Wiskunde (5), Volume 16, No. 2 (2015), 130–132
2. Two-coverings of Jacobians
Oberwolfach Reports (OWR), Explicit Methods in Number Theory (2009)
3. The Manin conjecture for K3 surfaces
Oberwolfach Reports (OWR), EMNT (2007)
4. Explicit computations on the Manin conjectures
Oberwolfach Reports (OWR), EMNT (2005)
5. A linear algebra exercise (with F. Beukers and R. Vidunas)
Nieuw Archief voor Wiskunde (5), Volume 3, No. 2 (2002), 139–140
6. Hex, dots and boxes (with S. van Rijnswou, book report)
Nieuw Archief voor Wiskunde (5), Volume 2, No. 4 (2001), 358–361
7. Wiskunde Olympiade (with J. van de Craats and T. Notenboom)
Nieuw Archief voor Wiskunde (5), Volume 1, No. 4 (2000), 448–450

Books and papers in preparation

1. Rational points on a family of del Pezzo surfaces of degree one (with W. Nijgh, in preparation)
2. Rational points on del Pezzo surfaces of degree one (with J. Bulthuis, in preparation)
3. Extending isomorphisms of subgraphs to automorphisms (in preparation)
4. Juggling functions (with J. Veenman, in preparation)
5. Geometry and arithmetic of surfaces (with M. Bright and D. Testa, book in preparation)
6. Linear Algebra 1 (with M. Stoll, book in preparation)
7. Linear Algebra 2 (with M. Stoll, book in preparation)

Students and postdocs

Bachelor students

2024 (exp.) Joep Veenman, *The mathematics of juggling*, Leiden
2022 Hugo Zock, *Twists*, Leiden
2022 Patrick Stok, *Computing the dimension of a variety with Gröbner bases*, Leiden
2021 Patrick Berkhoff, *Graphical Calculation of the Pfaffian*, Leiden, co-advisor Owen Biesel
2020 Nada Sisan, *Gröbner bases en Euclidische meetkunde*, Leiden
2018 Anneloes Viergever, *Two cases of Fermat's Last Theorem using descent on elliptic curves*, Leiden
2016 Tim Brouwer, *Solving an arbitrary permutation puzzle*, Leiden
2016 Ingela Mennema, *Roosters*, Leiden, co-advisor Erik Visse
2014 Arthur Bik, *Elliptic curves with high rank*, Delft
2012 Ellen Schlebusch, *Het Hasse-principe*, Leiden
2012 Erik Massop, *Hilbert's tenth problem*, Leiden, co-advisor Hendrik Jan Hoogeman (Computer Science)
2011 Remy van Dobben de Bruyn, *The modularity theorem*, Leiden, co-advisor Cecília Salgado
2010 Wouter Zomervrucht, *De complexiteit van Buchbergers algoritme*, Leiden, co-advisor Jeannette de Graaf (Computer Science)
2009 Youssef Achnine, *Rationale tetraëders*, Leiden

Master students

2024 (exp.) Tim Karl, Leiden
2024 (exp.) Erik Massop, Leiden
2023 Line van Nifterik, *Edwards curves*, Leiden
2022 Wim Nijgh, *Rational points on a family of del Pezzo surfaces of degree one*, Leiden
2018 Jelle Bulthuis, *Rational points on del Pezzo surfaces of degree one*, Leiden
2016 Arthur Bik, *The varieties of e-th powers*, Leiden
2015 Mauro Mantegazza, *Compactness in Toposes*, Leiden, co-advisor Sandra Mantovani, Jaap van Oosten
2014 Rosa Winter, *Concurrent exceptional curves on del Pezzo surfaces of degree one*, Leiden
2014 Erik Visse, *Local computations on the Cassels–Tate pairing on an elliptic curve*, Leiden
2012 Dino Festi, *Density of rational points on a family of diagonal quartic surfaces*, Leiden
2011 Davide Calliari, *Reconstruction of cubic surfaces*, Leiden, co-advisor Robin de Jong
2006 Enrique Acosta, *Rational tetrahedra*, Bogotá

Ph.D. students for whom I am main advisor

2027 (exp.) Victor de Vries, Leiden
2026 (exp.) Wim Nijgh, Leiden
2021 Rosa Winter, *Geometry and arithmetic of del Pezzo surfaces of degree 1*, Leiden, co-advisor Martin Bright
(Top five for KWG prize for best PhD student in Mathematics in the Netherlands, 2020)
2018 Erik Visse, *Counting points on K3 surfaces and other arithmetic-geometric objects*, Leiden
(Top five for KWG prize for best PhD student in Mathematics in the Netherlands, 2017)
2016 Dino Festi, *Topics in the arithmetic of del Pezzo and K3 surfaces*, Algant Leiden/Milano, co-advisor Bert van Geemen
2013 René Pannekoek, *Topological aspects of rational points on K3 surfaces*, Leiden
(Philips prize for best PhD student in Mathematics in the Netherlands, 2013)

Ph.D. students for whom I am second advisor

2025 (exp.) Francesca Leonardi, Leiden, main advisor Marton Hablicsek
2025 (exp.) Storm Wolters, Leiden, main advisor Robin de Jong
2025 (exp.) Jesse Vogel, Leiden, main advisor Marton Hablicsek
2025 (exp.) Nikolas Adaloglou, Leiden, main advisor Federica Pasquotto
2025 (exp.) Georgios Politopoulos, Leiden, main advisors David Holmes and Adrien Sauvaget
2025 (exp.) Xiao Yang, Leiden, main advisor Martin Bright
2024 (exp.) Pim Spelier, Leiden, main advisor David Holmes
2024 (exp.) Margherita Pagano, Leiden, main advisor Martin Bright
2024 (exp.) Daan van Gent, Leiden, main advisor Hendrik Lenstra
2023 Rosa Schwarz, *Logarithmic approach to the double ramification cycle* Leiden, main advisor David Holmes

2022 Ruihua Wang, *Explicit Computation of the Height of a Gross-Schoen Cycle*
Leiden, main advisors David Holmes and Robin de Jong
2022 Stefan van der Lugt, *Tautological differential forms on moduli spaces of curves*
Leiden, main advisor Robin de Jong
2021 Jan Bouw, *On the computation of norm residue symbols*,
Leiden, main advisor Hendrik Lenstra
2017 Niels Lindner, *Hypersurfaces with defect and their densities over finite fields*,
Berlin/Leiden, main advisor Remke Kloosterman
2016 Yan Zhao, *Deformations of nodal surfaces*,
Algant Leiden/Milano, main advisor Bert van Geemen

Postdocs

2022–2026 Emma Brakkee, Leiden
2023–2025 Haowen Zhang, Leiden
2023–2025 David Lilienfeldt, Leiden
2019–2021 Adelina Mânzățeanu, Leiden
2015–2017 Efthymios Sofos, Leiden
2012–2014 David Holmes, Leiden
2012–2014 Rachel Newton, Leiden
2009–2011 Cecília Salgado, Leiden

Ph.D. defense committees

2023 Alessandro Danelon (Eindhoven), Marc Houben (Leuven), Wessel van Woerden (Leiden)
2022 Elizaveta Arzhakova, Jared Asuncion, Sebastiano Tronto, Koen de Boer, Mia Jukic (Leiden)
2021 Abtien Javan Peykar, Pavel Solomatin, Guido Lido (Leiden)
2020 Sjabbo Schaveling, Thibault Poiret, Steven Berghout (Leiden)
2019 Anna Somoza Henares, Peter Koymans, Julian Lyczak, Niels Langeveld, Garnet Akeyr, Gabriele Dalla Torre (Leiden)
2018 Eduardo Ruiz Duarte (Groningen), Raymond van Bommel (Leiden)
2017 Jinbi Jin, Mima Stanojkovski, Martin Djukanović (Leiden)
2016 Florian Bouyer (Warwick)
2015 Athanasios Angelakis, Weidong Zhuang (Leiden)
2014 Michiel Kosters (Leiden)
2013 Andrea Siviero, Samuele Anni, Chao Zhang (Leiden)
2011 Arjen Stolk (Leiden), Bas Heijne (Groningen)
2010 Marco Streng (Leiden)
2009 Jos Brakenhoff (Leiden)

Organized extradepartmental meetings

2024.11 *Workshop Rational Points: new dimensions*, Groningen
2023.05 *An Expedition into Arithmetic Geometry* (memorial Bas Edixhoven), Leiden
2023.04 *Density Problems in Arithmetic*, CIRM, Luminy (scientific committee)
2012–2019 *Intercity Number Theory Seminar*, national seminar, the Netherlands
2018.04 *Nederlands Mathematisch Congres* (NMC), Veldhoven (program committee)
2015.04 *Nederlands Mathematisch Congres* (NMC), Leiden (chair of organising committee)
2011.11 *Criptografía*, Universidad de los Andes, Colombia (Master student workshop)
2010.10 *Arithmetic of surfaces*, Lorentz center, Leiden (conference)
2009.04 *Hendrik Lenstra's 60th birthday*, Leiden
2009.04 *Counting points on varieties*, Lorentz center, Leiden (conference)
2009.04 *Counting points on varieties*, Lorentz center, Leiden (Ph.D. student workshop)
2009.02 *Norm residue symbols*, Leiden (workshop)
2008.12 *Arithmetic of K3 surfaces*, Banff International Research Station, Canada (conference)
2008.10 *The Hasse principle*, Universidad de los Andes, Colombia (Master student workshop)
2008.04 *Surfaces: geometry and arithmetic*, University of Warwick (Ph.D. student workshop)
2006.10 *Number theory in cryptography*, Universidad de los Andes, Colombia (Master student workshop)

Lecture Series

2016.04 *The geometry of del Pezzo surfaces*, Higher School of Economics (HSE), Moscow (3 lectures)
2011.11 *Criptografía*, Universidad de los Andes, Colombia (4 lectures)
2009.04 *Batyrev–Manin conjecture*, Lorentz center, Leiden (4 lectures)
2008.10 *The Hasse principle*, Universidad de los Andes, Colombia (4 lectures)
2008.04 *Arithmetic and geometry of surfaces: Brauer–Manin obstructions*, University of Warwick, United Kingdom (5 lectures)
2006.10 *Cryptography in number theory*, Universidad de los Andes, Colombia (5 lectures)
2004, 2005 *Freshmen Preparation Bootcamp* (Summer), UC Berkeley's Multicultural Engineering Program

Invited Conference Talks

2022.08 Curves over finite fields and arithmetic of K3 surfaces, **Groningen**
2019.07 Rational Points 2019, **Schney**
2018.07 Recent progress in the arithmetic and geometry of K3 surfaces, **Trento**
2018.05 Rational and Integral Points via Analytic and Geometric Methods, **Oaxaca**
2015.11 Moduli Spaces and Arithmetic Geometry (Frans Oort 80), **Leiden**
2015.07 Rational Points 2015, **Schney**
2015.05 Pontos Racionais, **Rio de Janeiro**
2014.12 Foundations of Computational Mathematics, **Montevideo**
2014.05 Theoretical and Practical Aspects of the Discrete Logarithm Problem, **Ascona**
2013.05 Rational Points–Geometric, Analytic and Explicit Approaches, **Warwick**
2013.02 Brauer groups and obstruction problems: moduli spaces and arithmetic, **Palo Alto**
2013.02 Nationale Wiskunde Dagen, **Noordwijkerhout**
2012.02 Workshop on algebraic surfaces, **Hannover**
2012.01 Joint Mathematics Meetings, AMS Special Session on Rational Points on Varieties, **Boston**
2010.05 Rational Points – Theory & Experiment, **Zürich**
2010.03 Arithmetic aspects of elliptic surfaces, HIM, **Bonn**
2010.02 Algebraic Geometry in Characteristic p and Related Topics, Hosei Univ., **Tokyo**
2009.09 Arithmetic and algebraic geometry of higher-dimensional varieties, **Bristol**
2009.09 3rd Annual Meeting – GTEM (Galois Theory and Explicit Methods), **Warwick**
2009.07 Explicit Methods in Number Theory, **Oberwolfach**
2008.10 Arithmetic of K3 surfaces, BIRS, **Banff**
2008.07 Canadian Number Theory Association meeting (CNTA X), **Waterloo**
2008.06 Dynamique et surfaces K3, **Rennes**
2008.06 Rational Points on Curves and Higher Dimensional Varieties, **Warwick**
2008.06 Foundations of Computational Mathematics (FoCM 6), **Hong Kong**
2007.07 Rational Points on Curves and Higher-Dimensional Varieties: Theory and Explicit Methods, **Bremen**
2007.07 Explicit Methods in Number Theory, **Oberwolfach**
2007.02 Explicit Methods for Rational Points on Curves, BIRS, **Banff**
2007.02 10th International Workshop on Differential Equations, Number Theory, Data Analysis Methods and Geometry, **Havana**
2006.07 Canadian Number Theory Association meeting (CNTA IX), **Vancouver**
2006.05 Analytic Methods for Diophantine Equations, BIRS, **Banff**
2006.01 Joint Mathematics Meetings, AMS Special Session on Field Extensions and Algorithms, **San Antonio**
2005.10 Arithmetic and Geometry of Higher Dimensional Varieties with Special Emphasis on Calabi-Yau Varieties and Mirror Symmetry, Fields Institute, **Toronto**
2005.07 Explicit Methods in Number Theory, **Oberwolfach**
2005.04 The Pacific North West Number Theory Conference 9, **Vancouver**
2004.11 Explicit Methods in Number Theory, BIRS, **Banff**
2004.10 Arithmetic Geometry, IHP, **Paris**

Seminar and colloquium talks

2021.11 Algebraic Geometry Seminar, **HSE University, Moscow**
2016.06 Department colloquium, **VU Amsterdam**
2016.03 Intercity Number Theory Seminar, **UvA Amsterdam**

2013.10 Oberseminar für algebraische Geometrie und Arithmetik, **Essen**
2013.05 Séminaire "Variétés rationnelles", ENS, **Paris**
2013.02 Department colloquium, **Utrecht**
2013.02 Algebraic geometry seminar, **Cambridge**
2012.12 Algebraic geometry seminar, **Zürich**
2012.10 Rational Points and Algebraic Cycles seminar, **Lausanne**
2012.05 Intercity seminar number theory, **Leiden**
2011.11 Algebra seminar, **Bogotá**
2011.05 Séminaire "Variétés rationnelles", ENS, **Paris**
2011.03 Intercity seminar number theory, **Amsterdam**
2010.11 Number theory seminar, **Cambridge**
2010.04 Intercity seminar number theory, **Leiden**
2009.09 Intercity seminar number theory, **Eindhoven**
2009.06 Forschungsseminar "Arithmetische Geometrie", **Berlin**
2009.05 Department colloquium, **Leiden**
2008.11 Algebra seminar, **Leiden**
2008.10 Department colloquium, Universidad de los Andes, **Bogotá**
2008.09 Intercity seminar number theory, **Leiden**
2008.05 Heilbronn number theory seminar, **Bristol**
2008.05 Number theory seminar, **Oxford**
2008.05 Number theory seminar, **Berkeley**
2008.04 Number theory seminar, **Warwick**
2008.02 SFU/UBC Number theory Seminar, **Vancouver**
2008.02 Algebraic geometry seminar, UBC, **Vancouver**
2007.10 Intercity seminar number theory, CWI, **Amsterdam**
2007.09 SFU/UBC Number theory seminar, **Vancouver**
2007.06 Number theory seminar, **Bristol**
2007.05 Intercity seminar number theory, **Leiden**
2007.01 Number theory seminar, **Berkeley**
2007.01 SFU/UBC Number theory seminar, **Vancouver**
2006.09 Department colloquium, Universidad de los Andes, **Bogotá**
2006.05 Number theory seminar, **San Diego**
2006.03 MSRI, **Berkeley**
2006.02 Number theory seminar, **Austin**
2005.10 Number theory seminar, Boston University, **Boston**
2005.10 Québec–Vermont seminar series, **Montréal**
2005.10 Department colloquium, Queen's University, **Kingston**
2005.10 Number theory seminar, Queen's University, **Kingston**
2005.03 Intercity seminar number theory, **Groningen**
2005.02 Number theory seminar, **Harvard**

Teaching

Universiteit Leiden

2017, 2022, 2024	Algebra 3 (Galois theory)
2014–2023	Linear algebra 2
2023	Linear algebra for Computer Science 2 ($\sim$ 250 students)
2022	Linear algebra for Computer Science 1 ($\sim$ 300 students)
2011, 2013, 2018–2020	Algebra 1 (group theory)
2008–2011, 2013–2015	Linear algebra 1
2014	Calculus for Bio-Pharmaceutical Sciences ($\sim$ 180 students)
2009–2013	Bachelor seminar
2011	Local fields

National mastermath courses (Netherlands)

2020, 2023	Advanced Algebraic Geometry: Rational Points
2009, 2011, 2020	Elliptic curves
2013	Rational points on varieties

École Polytechnique Fédérale de Lausanne (EPFL)

2012, Fall	Algebra (tutorial)

Universidad de los Andes

2006, Fall	Elliptic curves
2006, Fall	Calculus

University of California at Berkeley

2001, 2003, 2005	Calculus (Professional Development Program)
2004, Summer	Calculus (Lecturer)
2002, Fall	Linear algebra (Graduate Student Instructor)
2002, Summer	Discrete mathematics (Lecturer)
2001, Spring	Calculus (Graduate Student Instructor)

Committees Leiden University (selection)

2022–	Advisory board for Management Team Mathematical Institute of Leiden University
2022–	C.J. Kok committee, annually awarding multiple faculty-wide prizes
2018–	Various hiring committees for Mathematical Institute of Leiden University
2013–2023	Member Board of Examiners, Leiden (chair since 2014)
2011–2013	Faculty council

Committees outside Leiden University (selection)

2024–	Treasurer Foundation Compositio
2017–	Board member Foundation Computer Algebra Nederland (CAN)
2017–2018	NWO (Dutch Science Foundation): Veni grant selection committee (chair in 2018)

Professionalism courses (selection)

2023	Diversity and Inclusion Training for hiring committees
2023	Conversational Intelligence
2022	Academic Leadership
2022	Diversity and Inclusion Strategy
2010	University Teaching Qualification
2010	Intercultural Competencies

Broader impact and outreach (selection)

2023	Co-organiser annual meeting Ars et Mathesis about mathematics and art
2023	Panel member on fixing the leaky pipeline: keeping women in academics
2023	Pre-university: lecturing high school students about mathematics behind juggling
2018, 2023	Speaker at Science Family Day: "Is your birthday a juggling pattern?"
2022	Co-organiser and guide for the exhibition "Imaginary" in Leiden
2019	Pre-university: project advisor of high school students Rafaël Houkes and Rik van der Linde, who won the Jan Kijne prize for their project on elliptic curves
2019	Pre-university: lecturing high school students about crypto system RSA
2017	Guide for the exhibition "Imaginary" in Leiden
2004–2013	Editor of problem section of "Nieuw Archief voor Wiskunde"
2011	Chief Coordinator (grading) International Mathematical Olympiad (IMO) 2011
2011	Member of the Problem Selection Committee for IMO 2011
2010	Chief Coordinator Benelux Mathematical Olympiad
1996–2001	Trainer of Dutch team for International Mathematical Olympiad (Deputy leader at IMO 1999–2001)
1996–2000	Editor of problem section in Dutch mathematical magazine "Pythagoras" for high school students
1996	Leader of a mathematics summer camp for high school students for Stichting Vierkant