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## Curriculum vitæ of Raf Cluckers

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### Positions

- 2015– Senior researcher of the CNRS (DR2, Directeur de recherche de 2e classe du CNRS) with affiliation at Université de Lille, France.
- 2009–2015 Research Associate of premier class of the CNRS (CR1, Chargé de recherche de première classe du CNRS) with affiliation at Université de Lille.
- 2026– Part time full Professor at KU Leuven (20% position).
- 2009–2026 Part time associate Professor at KU Leuven (20% position).
- 2003–2009 Postdoctoral researcher at KU Leuven, Ecole Normale Supérieure de Paris, and Queen Mary University of London (partially funded by F.W.O. Belgium and Marie Curie Fellowship).
- 1999–2003 PhD student at KU Leuven, under supervision of Jan Denef (funded by F.W.O. Belgium).

### Studies and diplomas

- 2014 Habilitation à Diriger des Recherches at the University of Lille.
- 2002 PhD at KU Leuven, under supervision of Jan Denef.
- 1999 Graduate studies in mathematics at KU Leuven: 24/09/1997 - 26/06/1999. I finished my graduate studies with the highest degree given at KU Leuven (Felicitates van de jury).
- 2008 Diploma of Actuarial Sciences at the V.U. Brussels.

### Contact information and personalia

**Office address:**

Université de Lille, CNRS  
UMR 8524, Laboratoire Painlevé  
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F-59000 Lille (France)

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Celestijnenlaan 200B  
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**Scientific homepage:** <http://rcluckers.perso.math.cnrs.fr/>

**Email address:** [raf.cluckers@univ-lille.fr](mailto:raf.cluckers@univ-lille.fr)

**Date and country of birth:** 02/02/1976, Belgium

**Nationality and civil status:** Belgium, married, three children

### Honors

- 2027 I am a plenary speaker at the 2027 ASL Winter meeting, Chicago, US.
- 2026 I am an invited speaker at ICM 2026, International Conference of Mathematicians, in the Logic session, Philadelphia, US.
- '19&'24 Together with F. Loeser, we obtained a Bernoulli Brainstorm project at EPFL for a week in the fall of 2019 and again for a week in the fall of 2024 (also with F. Vermeulen and K. H. Nguyen), to finish our project on Mellin transforms.
- 2019 J. Gordon (UBC, Canada) has won the 2019 Krieger-Nelson Prize for her joint work with I. Halupczok and myself.
- 2014 I obtained an ERC Consolidator Grant with ERC Grant Agreement nr. 615722 and acronym MOTMELSUM, CNRS, University of Lille, 2014 – 2019.
- 2014 The Nachdiplom Lectures at the ETH in Zürich were given by me in the spring term of 2014.
- 2014 I was a research member of the MSRI, with semester program *Model Theory, Arithmetic Geometry and Number Theory*.
- 2011 "Prime d'Excellence Scientifique" of the CNRS of France.
- 2003 I was a Marie Curie Fellow at the ENS of Paris for two years.

## Lectures

### Main lectures at conferences and other international meetings:

- 2027 Invited speaker at the Workshop and at the Main Conference of the special year at RIMS Kyoto (Apr 2027 - March 2028), see [https://ahgt.math.cnrs.fr/AHG-year\\_27-28/](https://ahgt.math.cnrs.fr/AHG-year_27-28/) for an overview.
- 2027 Plenary speaker at the 2027 ASL Winter meeting, Chicago, US.
- 2026 ICM 2026, International Conference of Mathematicians, Logic Session, Philadelphia, US, 23-30 July.
- 2026 Conference "Zeta functions in algebra and geometry", University of Galway, Ireland, 8-12 June.
- 2026 Model Theory Conference at ICMS Edinburgh, UK, 11-15 May.
- 2025 Workshop "Geometry meets Physics: Finiteness, Tameness, and Complexity", Harvard University, US, 12-14 November.
- 2025 Workshop "Singularities", Oberwolfach, Germany, 28 September - 3 October.
- 2025 Workshop on the endoscopic classification, The Paris center of the University of Chicago, France, 8-12 September.
- 2025 Workshop on Applications of Model Theory in Combinatorics and Valued Fields, Singapore, 23-27 June.
- 2024 Workshop "Selected topics in Arithmetic Algebraic Geometry", Hanoi, Vietnam, 4-8 November.
- 2023 Conference "Model Theory of Valued Fields", CIRM, Luminy, France, 29 May - 02 June.
- 2023 Workshop "Arithmetic and Homotopic Galois Theory 2023", ENS Paris and RIMS Kyoto, 20-24 March.
- 2023 Conference "Singularities and Algebraic Geometry", University of Khanh Hoa, Vietnam, 06-10 February.
- 2022 Recent applications of o-minimality in diophantine geometry and Hodge theory, Jerusalem, Israel, 11-16 December.
- 2022 Symposium in honour of Schock prize recipient J. Pila, 25 October.
- 2022 Fifth International Workshop on Zeta Functions in Algebra and Geometry, Nice, France, May 2-6.
- 2021 Conference Faces of Singularity Theory, CIRM, Luminy, France, 22-26 November.

- 2021 Oberwolfach Workshop Singularities, Oberwolfach, Germany, 26 September - 2 October.
- 2021 Conference O-minimality and foliations, virtual workshop CIRM, Luminy, France, 31 May - 4 June.
- 2020 Recent applications of o-minimality in diophantine geometry and Hodge theory, Jerusalem, Israel, May 17-22 (event postponed).
- 2019 Zeta Functions, CIRM, Luminy, France, December 2 - 6.
- 2018 Conférence internationale en l'honneur de François Loeser, Banyuls-sur-mer, May 28 - June 1.
- 2018 Model Theory of Valued Fields, IHP, France, March 5 - 9.
- 2017 Model theory and applications, Mons, Belgium, January 16 - 19.
- 2016 Oberwolfach Workshop Definability and Decidability Problems in Number Theory, Germany, October 23 - 29.
- 2016 Second joint Conference of the Belgian, Royal Spanish and Luxembourg Mathematical Societies, Logroño, La Rioja, Spain, June 6 - 8 (Plenary speaker).
- 2016 Explicit  $p$ -adic methods in number theory, Oxford, March 20 - 24.
- 2015 Real Analytic Geometry and Trajectories of Vector Fields, CIRM, Luminy, France, June 8 - 12.
- 2015 Artin Approximation and Infinite Dimensional Geometry, CIRM, Luminy, France, March 23 - 27.
- 2014 Oberwolfach Workshop "Valuation Theory and Its Applications", Germany 26 October - 1 November.
- 2014 Simons Symposium "Families of Automorphic Forms and the Trace Formula", January 26 - February 1.
- 2014 Recent Developments in the Applications of Model Theory to Algebraic, Analytic and Diophantine Geometry, ICMS, Edinburgh (UK) July 7 - 11.
- 2013 Model Theory and Applications to Geometry, Lisbon (Portugal), July 18 - 19.
- 2013 Conference on Motivic Invariants and Singularities, University of Notre Dame, US, June 3 - 7.
- 2012 Miniworkshop on o-minimality and Diophantine Geometry, University of Oxford, UK, August 24 - 25.
- 2012 Aspects of Singularities, University of Lille, France, May 30 - June 1.
- 2011 Workshop on o-minimality, Fields Institute, Toronto, Canada, August 8 - 12.
- 2011 Second International Valuation Theory Conference, Segovia, Spain, July 18 - 30.
- 2011 ASL European Annual Conference, Logic Colloquium 2011, Barcelona, Spain, July 11 - 16.
- 2011 Colloque Solstice, Paris, France, June 23 - 24.
- 2010 Exponential sums over finite fields and applications, ETH Zürich, Switzerland, November 1 - 5.
- 2010 Anglo-Belgian Workshop in Model Theory and Applications II, QMUL, London, UK, September 13 - 14.
- 2010 Oberwolfach Workshop "Model Theory: Around Valued Fields and Dependent Theories", Germany, January 3 - 9.
- 2009 Anglo-Belgian Workshop in Model Theory and Applications, Mons, Belgium, December 2 - 3.
- 2009 Real Singularities in Analysis and Geometry, Rennes, France, October 26-30.
- 2009 New Directions in the Model Theory of Fields, Durham, UK, July 20 - 30.
- 2008 Mini-conférence en théorie des modèles, Mons, Belgium, December 18 - 19.
- 2008 MODNET Barcelona conference, Barcelona, Spain, November 3 - 7.
- 2008 Conference "Motivic Integration and its Interactions with Model Theory and Non-Archimedean Geometry" ICMS, Edinburgh, UK, May 12 - 17.

- 2007 International Workshop on Zeta Functions in Algebra and Geometry, Segovia, Spain, June 25 – 29.
- 2006 Workshop "Model theory of fields", Freiburg, Germany, November 25-27.
- 2006 Representation Theory and Prehomogeneous Vector Spaces Conference, Strasbourg, France, September 11 - 14.
- 2005 An introduction to recent applications of model theory, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, March.
- 2005 Thematic semester on model theory and applications, Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, March.
- 2005 Association for Symbolic Logic 2005 Annual Meeting, Stanford, US, March.
- 2004 Model Theory and Complex Analytic Geometry, Mathematisches Forschungsinstitut Oberwolfach, Germany, July.
- 2004 Journées Arithmétiques, Caen, France, June.
- 2004 Interactions between model theory and geometry, Banff, Canada, March.
- 2004 The fifth annual colloquiumfest on valuation theory, Paris, France, April.
- 2001 The second annual colloquiumfest on valuation theory, Saskatoon, Canada, March.

**Special sessions at the conferences:**

- 2023 Journées Arithmétiques, l'Université de Lorraine, Nancy, France, 3 - 7 July.
- 2012 Conference Inaugurale du LABEX CEMPI, Université de Lille, France, September 24 - 28.
- 2006 Logic Colloquium 2006, Nijmegen, the Netherlands, July 27 - August 2.
- 2005 Joint BeNeLuxFra conference in mathematics, Gent, Belgium, May.
- 2004 Logic Colloquium 2004, Torino, Italy, July.
- 2003 Joint meeting RSME-AMS, Sevilla, Spain, June.
- 2002 Euro-Conference on Model Theory and Applications, Ravello, Italy.

**Colloquium and seminar talks:**

- 2026 Seminar talk in Gothenburg, Sweden, October 22.
- 2026 Seminar talk in Chambéry, France, July 9.
- 2026 Seminar talk in Lille, France, July 2.
- 2026 Colloquium talk in Passau, Germany, May 26.
- 2021 Séminaire singularités Marseille, France, April 1.
- 2021 Algebraic geometry and number theory seminar, IST Austria, March 11.
- 2021 Logic Seminar, Oxford, UK, March 4.
- 2021 Séminaire de géométrie, Chambéry, France, February 11.
- 2020 Séminaire GTM, ENS de Paris, France, Mars 6.
- 2018 Logic Seminar, University of Oxford, UK, June 12.
- 2017 Algebraic Geometry and Representation Theory Seminar, Weizmann Institute, Israel, November 21.
- 2016 Algebra, Combinatorics, and Geometry Seminar, Pittsburgh, US, September 20.
- 2016 Séminaire Structures Algébriques Ordonnées, Paris 7, January 19.
- 2015 Logic Seminar, Oxford, November 19.
- 2015 Colloquium talk, Pisa, March 13.
- 2015 Geometry Seminar at EPFL, Lausanne, February 24.
- 2015 Séminaire de Géométrie, Bordeaux, January 16.
- 2014 Séminaires de Géométrie Arithmétique et Motivative, Paris 13, November 21.
- 2014 Séminaire de géométrie algébrique, Rennes, November 13.
- 2013 Séminaire GTM "Géométrie et Théorie des Modèles", ENS Paris, December 13.
- 2012 Colloquium talk, UCL, Louvain-la-Neuve, November 15.
- 2012 Logic Advanced Class, Oxford, October 25.
- 2012 Heilbronn Seminar, Bristol, October 24.
- 2012 seminarium Number Theory, Leiden, March 12.

- 2010 Séminaire GTM "Géométrie et Théorie des Modèles", ENS Paris, January 29.
- 2009 KU Leuven Algebra Seminar, Leuven, May 13.
- 2009 Séminaire GTM "Géométrie et Théorie des Modèles", Paris, January 9.
- 2008 Séminaire de géométrie algébrique et Séminaire de géométrie algébrique réelle, Université de Rennes, France, March 13 (2 talks).
- 2008 Séminaire interuniversitaire de logique mathématique, U.M.H. Mons, Belgium, February 28.
- 2007 Seminar at the Queen Mary University of London, UK, September 12.
- 2007 Séminaire SAGA (Séminaire d'Arithmétique et de Géométrie Algébrique), Orsay, France, May 29.
- 2007 Séminaire à l'Université de Nice Sophia-Antipolis February 21.
- 2006 Séminaire GTM "Géométrie et Théorie des Modèles", Paris, November 24.
- 2006 Logic seminar, Hebrew University of Israel, April 26.
- 2006 Séminaire de Logique, Jussieu, Paris March 6.
- 2006 Séminaire de Théorie des Nombres, Bordeaux, France March 2.
- 2006 Séminaire de Logique, Lyon, France, April 6.
- 2005 Number theory and algebraic geometry seminar, KU Leuven May 4 and 11.
- 2005 UIC Model Theory Seminar, Chicago, US, March.
- 2005 Model theory seminar, UIUC, US March.
- 2005 Departemental colloquium talk, KU Leuven, Belgium, February.
- 2004 Number Theory/Representation Theory Seminar, Toronto University, Canada, November.
- 2004 Algebra Geometry and Combinatorics Seminar, University of Pittsburgh, US, October.
- 2004 Logic seminar, Fields Institute, Canada, March.
- 2004 Logic Colloquium/Model Theory Seminar, McMaster University, Canada, March.
- 2004 Séminaire de Géométrie, Université de Bordeaux, France, February.
- 2003 Logic Seminar, University of Oxford, UK, March.
- 2002 Séminaire d'Algèbre et de Géométrie, Ecole Normale Supérieure, Paris, France, March.
- 2001 Logic seminar, Fields Institute, Canada, March.
- 2001 Séminaire interuniversitaire de logique mathématique, U.L.B. - U.M.H., Belgium, February .
- 2001 Séminaire de Logique Paris VII, France, January.
- 2000 Number theory and algebraic geometry seminar, KU Leuven (several talks in 2000),

### **Stays at foreign Universities**

Almost all of the listed visits were research visits during which I worked together with experts at the place of visit; during many of the visits I gave seminar talks (see list of lectures).

- 2025 Harvard University, US, 12-14 November.
- 2024 EPFL, Bernoulli Center, Lausanne, Switzerland, 16–21 September.
- 2020 Weizmann Institute, Israel, 20 - 23 January.
- 2019 EPFL, Bernoulli Center, Lausanne, Switzerland, 17 - 23 November.
- 2018 University of Oxford, UK, 11 - 13 June.
- 2018 IHP, France, 5 - 9 March.
- 2017 Weizmann Institute, Israel, 20 - 24 November.
- 2016 MIT, University of Pittsburgh, and UBC, Vancouver, 12 - 26 September.

2015 University of Oxford, regular research visits in 2015 - 2016.  
 2014 MSRI, Berkely, US, 8 - 16 May.  
 2014 ETH, Zürich, spring semester 2014: 17/02/2014 - 30/05/2014.  
 2013 IHÉS, France, 21/10/2013 - 21/01/2014.  
 2013 IHÉS, France, 08/06/2013 - 01/07/2013.  
 2013 University of Oxford, UK, 13/05/2013 - 16/05/2013.  
 2010 University of Notre Dame, Indiana, US, 10/10/2010 - 16/10/2010.  
 2007 Purdue University, Indiana, US, 10/10/2007 - 14/10/2007.  
 2007 Queen Mary University of London, UK, 01/03/2007 - 30/09/2007.  
 2007 Purdue University, Indiana, US, 23/02/2007 - 28/02/2007.  
 2006 The Hebrew University of Jerusalem, Israel, 24/04/2006-28/04/2006.  
 2006 Université de Bordeaux, France, 28/02/2006 - 6/03/2006 and 24/05/2005 - 27/05/2005.  
 2006 École Normale Supérieure, Paris, France, 01/03/2005 - 28/02/2007.  
 2005 University of Illinois at Chicago, US, 14/03/2005 - 18/03/2005.  
 2005 Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, 01/03/2005 - 30/04/2005 with interruption for visit to Chicago.  
 2005 Université de Bourgogne, France, one week, February.  
 2004 Purdue University, US, 04/11/2004 - 12/11/2004.  
 2004 Toronto University, Canada, 26/10/2004 - 04/11/2004.  
 2004 École Normale Supérieure, Paris, France, 01/10/2003 - 28/02/2005.  
 2004 McMaster University, Canada, two weeks, 3/2004.  
 2003 University of Oxford, UK, 4/03/2003 - 7/03/2003.  
 2002 École Normale Supérieure, Paris, France, 4/3/2002 - 8/3/2002.  
 2002 University of Illinois, Purdue University, and Ohio State University, US, in total from 28/03/2002 till 10/05/2002.  
 2001 Paris 7, Paris, one week, France, March.  
 2001 McMaster University, Ontario, Canada, 28/2/2001 - 7/4/2001.

## Research

My research is situated in several domains of mathematics: non-archimedean geometry, number theory, model theory, algebraic geometry, algebra, representation theory, motivic integration, and has applications to the Langlands program,  $p$ -adic harmonic analysis, and point counting. The theory of real,  $p$ -adic and motivic integration often plays a central role in my research. Other central themes are real,  $p$ -adic, and non-archimedean tame geometry, and exponential sums. My full publication list can be found on my homepage and on arXiv.

## Editorial work and organization

2027 Member of Scientific committee for the HSM Summer School, 2-6 August, Bonn, Germany.  
 2026 Member of Scientific committee of “Arithmetic of fields: model theory, valuations, and geometry” at CIRM (Marseille Luminy, France), 6-10 April.  
 2025 Member of Scientific committee of “Tame geometry” in the thematic month “Singularities, differential equations, transcendence” at CIRM (Marseille Luminy, France), 10-14 February.

- '24– Member of Scientific committee of the CNRS RT Thematic Network “Algebraic Geometry and Singularity Theory”.
- '23-'27 Member of Scientific committee of “Arithmetic and Homotopic Galois Theory” IRN (AHGT), a CNRS France-Japan International Research Network, 2023 – 2027.
- 2023 Member of Scientific committee of “Non-archimedean methods in arithmetic and geometry”, Les Diablerets, Switzerland, 12-17 February.
- 2021 Member of Scientific committee of Lipschitz Geometry: New Methods and Applications, CIRM (Marseille Luminy, France), 5-9 July.
- '18-'28 I'm an editor of Journal de l'École polytechnique Mathématiques (JEP).
- '17– From 2017 on, C. Michaux, F. Point, I. Halupczok, K. Tent, M. Hils and I organize the seminar days RDMTA, 'Regional Days on Model Theory and Applications'.
- 2017 Model theory and applications Mons, Belgium, January 16 - 19, Scientific Committee.
- '16– From 2016 until 2024, Z. Chatzidakis and I organized the monthly days GTM 'Geometry and model theory' at the ENS in Paris. (Chatzidakis past away in December 2024.) Since 2023 on, I co-organize the GTM further with G. Comte, and from 2024 on, also with A. Ducros and T. Servi.
- 2016 With Pablo Cubides and Kien Nguyen, we organized a Special Day on Motivic Integration and Non-Archimedean Geometry, in Lille (France), October 10.
- 2016 With David Bourqui, Johannes Nicaise and Julien Sebag, we organized a conference on arc schemes and singularities in Rennes, France, November.
- 2016 With E. Baro and F. Point we organized the special session *Model Theory and Applications* of the Second joint Conference of the Belgian, Royal Spanish and Luxembourg Mathematical Societies, Logroño, La Rioja, Spain, June 6 - 8.
- 2014 With J. Pila and T. Scanlon we organized the workshop *Model Theory in Geometry and Arithmetic*, 12 - 16 May, which concluded the MSRI Spring 2014 semester program *Model Theory, Arithmetic Geometry and Number Theory*.
- 2013 Together with A. Chambert-Loir, F. Loeser, and J. Nicaise, we organized an Oberwolfach meeting devoted to motivic integration, 13 - 19 October.
- 2011 With J. Nicaise and W. Veys we have organized the Conference in Honor of Jan Denef's 60th birthday at CIRM in Luminy, 12 - 16 September.
- 2008 With A. Macintyre, J. Nicaise, and J. Sebag, we organized the Workshop on Motivic Integration “Motivic Integration and its Interactions with Model Theory and Non-Archimedean Geometry” at the Maxwell Institute ICMS in Edinburgh, May 12 - 17.

## Teaching

### At the doctoral and research level:

- I give a mini course at the HSM Summer School (2-6 August, 2027) Bonn, Germany.
- With A. Forey we give a course on p-adic numbers and zeta functions in Lille, for PhD students and master students (spring 2027)
- With G. Bhowmik we gave a course on p-adic numbers and zeta functions in Lille, for PhD students and master students (spring 2021)
- Research course on motivic integration at the University of Lille (autumn term 2015) 15 lectures.
- Nachdiplom Lectures, ETH, Zürich, Switzerland, (spring term 2014) 20 lectures.
- Oberwolfach Seminar: Motivic Integration, Germany, 13 - 19 October (2013) mini-course consisting of 3 lectures.

- Notre Dame, three lectures on Motivic Integration and applications to the Langlands program, invited by S. Starchenko (October 2010).
- two tutorial sessions for Ph.D. students in Logic, Ghent, February 19 - 20 (2009).
- In La Roche-en-Ardenne, Belgium, I have given a mini-course consisting of four training sessions on Motivic Integration at the Modnet Training workshop, April 20 – 26 (2008) (see also above, list of lectures).
- I have taught one afternoon session in the *Asian-French Summer School in Algebraic Geometry and Number Theory 2006: Motives and related topics*, Orsay, France, July 17 - 29 (2006).
- KU Leuven, mini-course of three lectures on Motivic Integration, invited by Wim Veys and Jan Denef (May 2005).
- Toronto University, mini-course of five lectures on Motivic Integration, invited by Henry Kim (October - November 2004).

#### **At the master level:**

- Together with A. Forey, we give a course on  $p$ -adic numbers and zeta functions in Lille, for PhD students and master students (spring 2027)
- Together with G. Bhowmik, we gave a course on  $p$ -adic numbers and zeta functions in Lille, for master students and PhD students (spring 2021).
- A course on  $p$ -adic numbers and zeta functions at the KU Leuven, for PhD students and master students (autumn 2020).
- From 2012 - 2013 on, every other year, I get the opportunity to teach a one semester course on mathematical logic to graduate students (master level).

#### **At the Bachelor level:**

- Most years from 2012 until 2025, I have taught a short course on algebraic structures.

#### **Service courses:**

- From 2009 until 2011, I have taught the course "Mathematics for Economists" to economy students.

### **Supervision**

#### **Postdocs:**

- Béranger Seguin, 2026–.
- Matteo Verzobio, 2026–.
- Loïs Faisant, 2025-2026.
- Neer Bhardwaj, 2024-2025.
- Nicolas Daans, 2024-2027.
- Kien Huu Nguyen, 2018-2022 and 2024-2027.
- Yotam Hendel, 2022-2024.
- Pierre Touchard, 2022-2024.
- Blaise Boissonneau, 2022-2023.
- Victoria Cantoral Farfan, 2019-2021.
- Philip Dittmann, 2018-2019.
- Eva Leenknecht, 2014-2020.
- Wouter Castryck, (ERC team) 2016-2017.

- Pablo Cubides, (ERC team) 2014-2016.
- Jorge Cely, (ERC team) 2016-2017.
- Arne Smeets, (ERC team) 2015-2016.
- Dmitry Sustretov, (ERC team) 2016-2017.
- Florent Martin, (CEMPI team) 2013-2014.

### **PhD. Students:**

- Luca Dehennin ('26–).
- Lisa Vandebrouck ('25–).
- Xavier Pigé, co-supervised by A. Forey ('25–).
- Sidonie Ratajczak, co-supervised by A. Forey ('24–).
- Tijs Buggenhout, co-supervised by W. Veys ('24–).
- Mathias Stout ('21–'25).
- Floris Vermeulen, co-supervised by W. Veys PhD 2024.
- Siegfried Van Hille, co-supervised by W. Veys, PhD 2021.
- Kien H. Nguyen, (ERC team), PhD 2018.
- Saskia Chambille, co-supervised by W. Veys, PhD 2018.
- Alexander Lemmens, co-supervised by W. Castryck, PhD 2018.
- Tristan Kuijpers, PhD 2014.
- Eva Leenknecht, PhD 2011.

### **Master students:**

I was the supervisor of the following master thesis and mémoires M2:

- Luca Dehennin, 2025 - 2026, KU Leuven.
- Stev Fivez, 2025 - 2026, KU Leuven.
- Frodo Moonen, 2024 - 2025, KU Leuven.
- Leonie Dausy, 2024 - 2025, KU Leuven.
- Tijs Buggenhout, 2023 - 2024, KU Leuven.
- Tomas Reunbrouck, 2021 - 2022, KU Leuven.
- Arthur Van Beersel, 2021 - 2022, KU Leuven.
- Milko Burkard, 2021 - 2022, KU Leuven.
- Wim Moreau, 2015 - 2016, KU Leuven.
- Saskia Chambille, 2013 - 2014, Paris 7.
- Kien H. Nguyen, 2013 - 2014, Paris 6.
- Bruno Herman, 2011 - 2012, KU Leuven.
- Stijn Lemmens, 2008 - 2009, KU Leuven.

## **Expertise**

### **University committees:**

- Member of the Scientific Committee of the Thematic Network on Algebraic Geometry and Singularities RT GAS, 2024–.
- Member of the Conseil scientifique et d'administration du Labex CIMI (Toulouse) 2019–2028.
- Member of the evaluation committee ANR (revue à mi-parcours du CE 40 2015 Mathématiques Fondamentales) 2018.
- Member of the evaluation committee CES de l'ANR (l'Agence Nationale de Recherche de France) in 2014 and in 2015.

- Member of the conseil du laboratoire P. Painlevé of the University of Lille from January 2010 until January 2015.

#### **Jury for PhD and Habilitation thesis:**

- Referee and member of the jury of the Habilitation of Andre-Ricardo Belotto Da Silva (Marseille, 2020), Luck Darnière (Angers, 2020), Sylvie Anscombe (Paris, 2026).
- Referee and member of the jury of the PhD Thesis of Benjamin Druart (Grenoble, 2015), Margaret Bilu (Paris, 2017), Gabriel Lehericy (Paris, 2018), Florian Severin (Düsseldorf, 2021), Mick Vervliet (Utrecht, 2026).
- Member of the jury of the PhD Thesis of Pablo Cubides (Paris 7, 2013), Florent Martin (Paris 6, 2013), Esther Elbaz (Paris, 2018), François Motte (Lille, 2019), Lukas Rollier (Leuven, 2024), Maarten Lathouwers (Leuven, 2025), Joren Matthys (Leuven, 2026), Felipe Gambardella (Paris 2026), Téofil Adamski (Chambéry 2026).

#### **Recruitment Committees:**

- President of the Comité de Sélection for a full professor position (PR), University of Lille (2016, Anne Moreau was hired).
- President of the Comité de Sélection for a junior professor position (MCF), University of Lille (2017, Julien Hauseux was hired).
- Member of the Comité de Sélection for a full professor position (PR), University of Lille (2025, Cécile Armana was hired).
- Member of the Comité de Sélection for a junior professor position (MCF), University of Lille (2012), Université-Paris-Saclay (2022).

#### **Research contracts, grants and projects**

- With W. Veys we obtained a Research Grant KU Leuven IF C16/23/010 for the period 2023-2029 of around 500.000 euros.
  - With W. Veys: Research Grant KU Leuven IF C14/17/083 for the period 2018-2022 of around 400.000 euros.
  - I was the Principal investigator of the ERC Grant MOTMELSUM nr. 615722, 2014–2019, CNRS, University of Lille of around 1.000.000 euros.
  - With J. Nicaise: F.W.O. research grant G.0415.10 for the period 2010 - 2014 of around 300.000 euros.
  - I was a participant in the Advanced ERC Grant of F. Loeser (Paris) beginning January 2010 with ERC Grant Agreement no. 246903 "NMNAG".
  - Until its end in 2010, I was a participant of the grant ANR-06-BLAN-0183 of F. Loeser.
  - I was a participant of the GDR "Singularities and Applications" in France.
  - I was a participant of the European network Modnet.
  - In 2005 I obtained a Marie Curie Fellowship of the European Programme FP7 for two years at the Ecole Normale Supérieure of Paris.
  - In 2004 I obtained an European Eager Network Grant to stay five months at the Ecole Normale Supérieure in Paris.
-