
Curriculum vitæ of Raf Cluckers

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.
- 2009– Part time Professor at KU Leuven (20% position).
- 2003–2009 Various postdoc positions, at KU Leuven, the ENS of Paris, Queen Mary University of London.
- 1999–2003 PhD student at KULeuven, under supervision of Jan Denef.

Studies and diplomas

- 2014 Habilitation à Diriger des Recherches at the University of Lille.
- 2002 PhD at KU Leuven, under supervision of Jan Denef.

Honors and grants

- 2019 Together with F. Loeser, we obtained a Bernoulli Brainstorm project at EPFL for the fall of 2019.
- 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.

Recent lectures at conferences

- 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.

Recent Stays at foreign Universities

- 2020 Weizmann Institute, Israel, 20 - 23 January.
- 2019 EPFL, 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.

Editorial work and organization

- 2023 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– Since 2018, 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 on, Z. Chatzidakis and I organize the monthly days GTM 'Geometry and model theory' at the ENS in Paris.
- 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.

Recent Courses at the doctoral and master level

- With G. Bhowmik: a course on p-adic numbers and zeta functions, for PhD students and master students in Lille (spring 2021) 30 lecture hours.
- Research course on motivic integration at the University of Lille (autumn term 2015) 15 lecture hours.
- Nachdiplom Lectures, ETH, Zürich, Switzerland, (spring term 2014) 24 lecture hours.
- Oberwolfach Seminar: Motivic Integration, Germany, (13 - 19 October 2013) 3 lecture hours.
- A course on p-adic numbers and zeta functions at the KU Leuven, for PhD students and master students (autumn 2020) 30 lecture hours.
- From 2012 on, every other year, I teach a one semester course on mathematical logic to graduate students.

Supervision

Postdocs:

- Yotam Hendel, 2022-2023.
- Blaise Boissonneau, 2022-2023.
- Pierre Touchard, 2022-2023.
- Victoria Cantoral Farfan, 2019-2021.
- Kien Huu Nguyen, 2018-2022.
- Philip Dittmann, 2018-2019.
- Eva Leenknegt, 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:

- Mathias Stout, co-supervised by W. Veys (2021 –).
- Floris Vermeulen, co-supervised by W. Veys (2019 –).
- 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.

University committees

- Member of the Conseil scientifique et d'administration du Labex CIMI (Toulouse).
- 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 PhD Thesis of Florian Severin (Düsseldorf, 2021).
- Referee and member of the jury of the Habilitation of Andre-Ricardo Belotto Da Silva (Marseille, 2020).
- Referee and member of the jury of the Habilitation of Luck Darnière (Angers, 2020).
- Member of the jury of the PhD Thesis of François Motte (Lille, 2019).
- Member of the jury of the PhD Thesis of Esther Elbaz (Paris, 2018).
- Referee and member of the jury of the PhD Thesis of Gabriel Lehericy (Paris, 2018).
- Referee and member of the jury of the PhD Thesis of Benjamin Druart (Grenoble, 2015).
- Member of the jury of the PhD Thesis of Pablo Cubides (Paris 7, 2013).
- Member of the jury of the PhD Thesis of Florent Martin (Paris 6, 2013).

Recruitment Committees

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