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Academic positions

- 12/2017 – present **Université Paris-Sud**, Orsay, France.
Chargé de recherche du CNRS
- 8/2017 – 11/2017 **Mathematical Institute of the University of Bonn**, Bonn, Germany.
Wissenschaftlicher Mitarbeiter
- 8/2014 – 7/2017 **Miller Institute for Basic Research in Science**, Berkeley, USA.
Miller Research Fellow

Education

- 9/2010 – 6/2014 **Massachusetts Institute of Technology**, Cambridge, USA.
PhD in Mathematics; thesis advisor: Bjorn Poonen
- 9/2007 – 6/2010 **Jacobs University**, Bremen, Germany.
BSc in Mathematics

Selected awards and honors

- Prize of the Lithuanian Mathematical Society**, 2018
- Charles W. and Jennifer C. Johnson Prize**, MIT, 2014
- Praecis Presidential Graduate Fellowship**, MIT, 2010-2011
- Gold medal**, International Mathematical Olympiad 2007, Vietnam

Research articles

- [arXiv:1810.04493](https://arxiv.org/abs/1810.04493) **Macaulayfication of Noetherian schemes**, *submitted*.
- [arXiv:1802.08203](https://arxiv.org/abs/1802.08203) **Grothendieck–Lefschetz for vector bundles**, *submitted*.
- [arXiv:1711.06456](https://arxiv.org/abs/1711.06456) **Purity for the Brauer group**, *accepted to Duke Mathematical Journal*.
- [arXiv:1710.06145](https://arxiv.org/abs/1710.06145) **The A_{inf} -cohomology in the semistable case**, with Teruhisa Koshikawa, *accepted to Compositio Mathematica*.
- [doi:10.1017/...](https://doi.org/10.1017/...) **The ℓ -parity conjecture over the constant quadratic extension**, *Math. Proc. Cambridge Philos. Soc.*, **165** (2018), no. 3, 385–409.
- [doi:10.1112/...](https://doi.org/10.1112/...) **The Manin constant in the semistable case**, *Compos. Math.*, **154** (2018), no. 9, 1889–1920.

- doi:10.2140/... **A modular description of $\mathcal{X}_0(n)$** , *Algebra & Number Theory*, **11** (2017), no. 9, 2001–2089.
- doi:10.14231/... **Coarse base change fails for some modular curves**, *Algebr. Geom.*, **4** (2017), no. 4, 444–451.
- doi:10.1112/... **p -Selmer growth in extensions of degree p** , *J. Lond. Math. Soc.*, **95** (2017), no. 3, 833–852.
- doi:10.1112/... **The remaining cases of the Kramer–Tunnell conjecture**, with Naoki Imai, *Compos. Math.*, **152** (2016), 2255–2268.
- doi:10.1515/... **The p -parity conjecture for elliptic curves with a p -isogeny**, *J. reine angew. Math.*, **719** (2016), 45–73.
- jrms:2016-031... **Selmer groups as flat cohomology groups**, *J. Ramanujan Math. Soc.*, **31** (2016), no. 1, 31–61.
- doi:10.1142/... **Local factors valued in normal domains**, *Int. J. Number Theory*, **12** (2016), no. 1, 249–272.
- doi:10.4310/... **Poitou–Tate without restrictions on the order**, *Math. Res. Lett.*, **22** (2015), no. 6, 1621–1666.
- doi:10.1017/... **Topology on cohomology of local fields**, *Forum Math. Sigma*, **3** (2015), e16, 55 pp.
- doi:10.1112/... **Selmer groups and class groups**, *Compos. Math.*, **151** (2015), no. 3, 416–434.

Selected invited talks

- 11/5/2018 **Oberseminar: Algebraische Geometrie**, Universität Zürich, Switzerland
- 9/20/2018 **Belgian-Dutch algebraic geometry seminar**, Nijmegen, Netherlands
- 9/11/2018 **Arithmetic Geometry: ℓ -adic and p -adic aspects**, Tokyo, Japan
- 7/16/2018 **Algebraic geometry seminar**, BICMR, Beijing, China
- 6/27/2018 **London Number Theory Seminar**, London, UK
- 6/22/2018 **Séminaire Variétés Rationnelles**, Paris, France
- 6/20/2018 **Séminaire Autour des cycles algébriques**, Paris, France
- 5/22/2018 **Gropes algébriques et Géométrisation du Programme de Langlands**, Lyon, France
- 4/6/2018 (report) **Arbeitsgemeinschaft Topological Cyclic Homology**, Oberwolfach, Germany
- 3/13/2018 (video) **Hot Topics: The Homological Conjectures**, MSRI, Berkeley, USA
- 1/30/2018 **Number theory seminar**, University of Cambridge, Cambridge, UK
- 12/11/2017 **Séminaire de théorie des nombres de l’IMJ-PRG**, Paris 7, France
- 11/30/2017 **Oberseminar für Algebraische Geometrie und Arithmetik**, Universität Duisburg-Essen, Essen, Germany
- 8/25/2017 **Algebraic K-theory and arithmetic**, Będlewo, Poland
- 5/24/2017 **University of Tokyo workshop on arithmetic geometry**, Tambara, Japan
- 5/16/2017 **Number theory seminar**, University of Chicago, Chicago, USA
- 4/23/2017 **Conference in Celebration of the 90th Anniversary of the Establishment of Mathematical Disciplines at Tsinghua University**, Beijing, China
- 4/20/2017 **Quebec–Vermont number theory seminar**, Montreal, Canada

- 4/3/2017 **Number theory seminar**, UCLA, Los Angeles, USA
- 3/27/2017 **Elliptic Curves, Torsors, and L-functions**, Charlottesville, USA
- 2/20/2017 **Kyoto Top Global University Mathematics Workshop**, Kyoto, Japan
- 2/17/2017 **RTG Lectures in Arithmetic Geometry at Rice**, Houston, USA
- 10/11/2016 **MIT number theory seminar**, Cambridge, USA
- 4/9/2016 **Bay Area Algebraic Number Theory and Algebraic Geometry Day**, Berkeley, USA
- 3/5/2016 **Special Session on Elliptic Curves**, AMS Sectional Meeting, Athens, USA
- 7/4/2015 **Rational Points 2015**, Franken-Akademie Schloss Schney, Schney, Germany
- 6/16/2015 **Morningside Seminar on Number Theory**, Morningside Center of Mathematics, Chinese Academy of Sciences, Beijing, China
- 5/19/2015 **Number theory seminar**, University of Washington, Seattle, USA
- 3/31/2015 **Séminaire d'arithmétique à Lyon**, Lyon, France
- 3/5/2015 **Number theory seminar**, Caltech, Pasadena, USA
- 2/11/2015 **Number theory and arithmetic geometry seminar**, University of Georgia, Athens, USA
- 1/12/2015 **Special Session on Selmer Groups**, AMS Joint Mathematics Meetings, San Antonio, USA
- 11/12–14/2014 **Invited lecture series**, Kaunas University of Technology, Kaunas, Lithuania
- 5/4/2014 **Atkin memorial workshop**, University of Illinois at Chicago, Chicago, USA
- 7/25/2013 **Rational Points 2013**, Schloss Thurnau, Germany
- 7/19/2013 **Explicit Methods in Number Theory**, Oberwolfach, Germany
- 12/5/2012 **Heilbronn seminar**, University of Bristol, Bristol, United Kingdom

PhD students

2018 – present **Ning Guo**, Université Paris-Sud.

Other professional experiences

- 6/2011 – 7/2011 **Mentor for the Research Science Institute**, MIT, Cambridge, USA.
Designed and supervised two mathematics research projects for high-school students
- 2008 – 2011 **Lecturer at the IMO training camps**, Lithuania.
- 7/2008 **Author of the problem No. 3**, IMO 2008, Spain.