

NEBOJSA PAVIC

Curriculum Vitae

Personal Information

Email	npavic1@sheffield.ac.uk
Citizenship	Bosnia and Herzegovina
Place of Birth	Odzak, Bosnia and Herzegovina

Education

2016-	PhD in Mathematics, The University of Sheffield, United Kingdom. PhD thesis supervised by Evgeny Shinder.
2014–2016	MSc in Mathematics, ETH Zurich, Switzerland. Master thesis: <i>Intersection theory and applications to K3 surfaces</i> , supervised by Qizheng Yin and Rahul Pandharipande.
2011–2014	BSc in Mathematics, ETH Zurich, Switzerland. Bachelor thesis: <i>Applications of the Tor and Ext functors on flatness and depth</i> , supervised by Junliang Shen and Rahul Pandharipande.

Publications and Preprints

2019	<i>Obstructions to semiorthogonal decompositions for singular threefolds I: K-Theory</i> , joint with Martin Kalck and Evgeny Shinder, preprint, arXiv:1910.09531 .
2018	<i>K-theory and the singularity category of quotient singularities</i> , joint with Evgeny Shinder, preprint (submitted), arXiv:1809.10919 .
2017	<i>On O’Grady’s generalized Franchetta Conjecture</i> , joint with Junliang Shen and Qizheng Yin, <i>Int. Math. Res. Not.</i> (2017), Issue 16, 4971-4983, arXiv:1604.02939 .

Teaching Experience

University of Sheffield

Spring 2019	Teaching assistant, Course: Mathematics Core II.
Autumn 2018	Teaching assistant, Courses: Advanced Calculus and Linear Algebra and Mathematics Core I.
Spring 2018	Teaching assistant, Course: Mathematics Core II.
Autumn 2017	Teaching assistant, Courses: Advanced Calculus and Linear Algebra, and Numbers and Groups.

ETH Zurich

Autumn 2015	Teaching assistant, Course: Complex Analysis.
Autumn 2014	Teaching assistant, Course: Analysis I.
Spring 2014	Teaching assistant, Course: Analysis II.
Spring 2013	Teaching assistant, Course: Linear Algebra II.

Professional Activities

Talks

24/05/19	<i>Grothendieck groups of isolated quotient singularities</i> , Oberseminar: Algebra, Zahlentheorie und algebraische Geometrie, University of Freiburg.
05/04/19	<i>Quotient singularities and Grothendieck groups</i> , CALF Seminar, University of Birmingham.
26/02/19	<i>Grothendieck groups of isolated quotient singularities</i> , Warwick Algebraic Geometry Seminar, University of Warwick.
23/10/18	<i>Grothendieck groups and singularity categories of quotient singularities</i> , Algebraic geometry seminar, University of Sheffield.
27/04/17	<i>Relative zero cycles on the universal polarized K3 surface</i> , Algebraic geometry seminar, University of Sheffield.

Visits

04/19-05/19	Visitor at the Max-Planck Institute in Bonn for a total of 4 weeks.
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Organized seminars

Autumn 2018	<i>Toric varieties</i> , Algebraic geometry student seminar, University of Sheffield.
Spring 2018	<i>Singularity category of \mathbb{C}^2/G</i> , Algebraic geometry student seminar, University of Sheffield.

Supervision

06/18	Co-supervised a 4th year undergraduate student on a semester project on the topic: <i>Counting points on elliptic curves over finite fields</i> .
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