NICOLAUS HEUER

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PERSONAL DATA

Place and date of birth	Frankfurt am Main, 06. June 1991	
Nationality	German	
Languages	German, English	
EDUCATION		
University of Oxford , Oxford, United Kingdom, PhD in Mathe · Supervisor: Martin Bridson	ematics 10/2015 - 09/2019	
• Thesis: Construction in Bounded Cohomology and Stable Commutator Length		
Isaac Newton Institute , Cambridge, United Kingdom, Researce • Research Semester "Non-positive curvature and group actions"	ch Semester $01/2017 - 06/2017$	
ETH Zurich , <i>Zurich</i> , <i>Switzerland</i> , Master Studies · Graduated with MSc Mathematics, ETH "with distinction".	01/2017 - 06/2017	
University of Toronto, Toronto, Canada, Semester of Exchange	ge 09/2012 - 01/2013	
ETH Zurich , <i>Zurich</i> , <i>Switzerland</i> , Bachelor Studies · Graduated with BSc Mathematics, ETH "with distinction".	01/2017 - 06/2017	
AWARDS AND SCHOLARSHIPS		
Herchel Smith Fellowship, University of Cambridge	10/2019 - 09/2022	
Post Doctoral Research Associative, Queens' College, Ca	mbridge 10/2019 - 10/2020	
Isaac Newton Prize for Early Career Researchers, INI, Cambridge02/2018• Received for the paper "Gaps in scl for Amalgamated Free Products and RAAGs"02/2018		
Willi Studer Award · For the top MSc Mathematics graduate 2015 at ETH Zurich	06/2015	
Pólya Prize · For the top BSc Mathematics graduate 2014 at ETH Zurich	01/2015	
Master Scholarship, ETH Zurich	09/2013 - 09/2015	

PUBLICATIONS

N. Heuer, C. Löh, Simplicial volume of one-relator groups and stable commutator length, arXiv, 2019

N. Heuer, L. Chen, Spectral gaps of scl in graphs of groups and 3-manifolds, arXiv, 2019

N. Heuer, The full spectrum of stable commutator length, arXiv, 2019

N. Heuer, C. Löh, The spectrum of simplicial volume, arXiv, 2019

N. Heuer, Constructions in Stable Commutator Length and Bounded Cohomology, PhD Thesis, University of Oxford, 2019

N. Heuer, Gaps in scl for Amalgamated Free Products and RAAGs, Geom. Funct. Anal., 2019

N. Heuer, Low-dimensional bounded cohomology and extensions of groups, Math. Scand. (to appear), 2018

N. Heuer, Cup product in bounded cohomology of free groups, Ann. Scuola Norm. Sup. Pisa Cl. Sci. (to appear), 2019

INVITED TALKS

Simplicial Volume Workshop "Bounded Cohomologh", Heidelberg University	31/07/2019
The Spectrum of Simplicial Volume "Cohomological Methods", Conference, IMPAN Warsaw	11/04/2019
Simplicial Volume of One-Relator Groups Sminaire "Groupes et Gomtrie", University of Geneva	12/03/2019
RAAGs and stable commutator length Groups and Geometry in the South East, Warwick University	01/03/2019
Constructions in Stable Commutator Length Oberseminar Groups and Geometry, University of Bielefeld	19/12/2018
Stable Commutator Length Junior Geometry Seminar, University of Cambridge	16/11/2018
RAAGs and Letter-Quasimorphisms Geometry and Topology Seminar, Technion - Israel Institute of Technology	31/05/2018
Introduction to Stable Commutator Length Geometry Graduate Colloquium, ETH Zurich	31/05/2018
RAAGs and Stable Commutator Length Geometry Seminar, ETH Zurich	30/05/2018
RAAGs and Stable Commutator Length Seminar Globale Analysis, University of Regensburg	20/12/2017
(Bounded) Cohomology of Groups Junior Geometry and Topology Seminar, University of Warwick	02/05/2017
TEACHING EXPERIENCE	
Supervisions, Queens' College, University of Oxford · Group Theory	2019/2020
Stipendiary Lectureship, Trinity College, University of Oxford · Algebra I, Rings and Modules, Group Theory, Topology	2018/2019
Non-Stipendiary Lectureship, St. Hugh's College, University of Oxford · Algebra I, Topology, Rings and Modules, Number Theory, Group Theory	2017/2018
Teaching Assistant, University of Oxford · Topology and Groups	2015/2016
Class Tutor, ETH Zurich	2011-2015

Class Tutor, ETH Zurich • Linear Algebra I & II, Algebra I & II