Curriculum Vitae

Irakli Patchkoria

Personal Data:

First Name:	Irakli
Last Name:	Patchkoria
Place of Birth:	Tbilisi, Georgia
Date of Birth:	20.08.1987
Nationality:	Georgian
Affiliation:	Department of Mathematics, University of Bonn, Endenicher Allee 60, 53115 Bonn, Germany
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Employment:

09/2016 – present:	Postdoctoral researcher at the Department of Mathematics of the University of Bonn, Germany (Funded by the German Research Foundation Schwerpunktprogramm 1786 "Homotopy Theory and Algebraic Geometry")
09/2013 – 08/2016:	Postdoctoral researcher at the Department of Mathematical Sciences of the University of Copenhagen, Denmark (within the Centre for Symmetry and Deformation)

Education:

10/2010 – 07/2013:	PhD studies at the Department of Mathematics of the University of Bonn Doctoral fellow of the German Research Foundation Graduiertenkolleg 1150 "Homotopy and Cohomology"
July 2013:	Graduation: Dr. rer. nat. Thesis Title: *Rigidity in equivariant stable homotopy theory*
10/2008 – 09/2010:	Studies in Mathematics at the University of Bonn Qualifying fellow of the German Research Foundation Graduiertenkolleg 1150 "Homotopy and Cohomology"
09/2004 – 08/2008:	Studies in Mathematics at the I. Javakhishvili Tbilisi state University (Georgia)
July 2008:	Graduation: Bachelor of Mathematics Bachelor thesis: *Cubical resolutions and derived functors*

Publications:

• *Stable finiteness properties of infinite discrete groups*, (with N. Bárcenas and D. Degrijse), Journal of Topology **10** (2017), 1169-1196.
• *On exotic equivalences and a theorem of Franke*, Bulletin of the London Mathematical Society, **49** (2017), 1085-1099.
• *The derived category of complex periodic K-theory localized at an odd prime*, Advances in Mathematics **309** (2017), 392-435
• *Topological Hochschild homology and the cyclic bar construction in symmetric spectra*, (with S. Sagave), Proceedings of the American Mathematical Society **144** (2016), 4099-4106
• *Rigidity in equivariant stable homotopy theory*, Algebraic & Geometric Topology **16** (2016), 2159-2227
• *On the algebraic classification of module spectra*, Algebraic & Geometric Topology **12** (2012), 2329-2388
• *Cubical approach to derived functors*, Homology, Homotopy and Applications, **14** (2012), No. 1, pp.133-158

Preprints:

• *Comparing cyclotomic structures on different models for topological Hochschild homology*, (with E. Dotto, C. Malkiewich, S. Sagave and C. Woo), arXiv: 1707.07862
• *Rigidity and exotic models for v_1-local G-equivariant stable homotopy theory*, (with C. Roitzheim), arXiv: 1705.03855
•*Real topological Hochschild homology* (with E. Dotto, K. Moi, and S. Reeh), arXiv:1711.10226

Conferences and workshops organized

June / July 2014:	Young Topologists Meeting 2014, University of Copenhagen, Denmark
November 2016:	Hermitian K-theory and Trace Methods, Hausdorff Research Institute for Mathematics, Bonn, Germany

Grants and funding:

2017-2019:	Shota Rustaveli Georgian National Science Foundation grant Ref. 217-614 (Key personnel)
2013-2015:	Shota Rustaveli Georgian National Science Foundation grant DI/27/5-103/12 (Key personnel)

Supervision:

Copenhagen:	2 Master theses, 2 Master project
Bonn:	4 Bachelor theses (2 ongoing), 2 Master theses (ongoing)

Teaching:

Copenhagen:	Exercises in Formal groups and cohomology theories (Topics in Topology II) (Block 3, 2016)
	Stable homotopy theory (Topics in Topology) (Block 2, 2015-16)
	Exercises Categories & Topology (Block 1, 2015)
	K-theory (Block 4, 2015)
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	K-theory (Block 4, 2014)
	Exercises Categories & Topology (Block 1, 2013)
Bonn:	GRK 1150 graduate student seminar: Unstable homotopy theory (Summer term 2012, Bonn)
	Reading course on spectral sequences (Summer term 2011) Exercises Algebraic Topology I (Winter term 2010/2011)
	Exercises Topology II (Summer term 2010)
	Exercises Topology I (Winter term 2009/2010, Bonn)

Selected talks and lecture series:

October 2017:	*Lecture series on equivariant homotopy theory* Workshop on motivic and equivariant homotopy theory, University of Osnabrück, Germany
27.08.2015:	*Geometric meaning of the virtual cohomological dimension of a group* Nordic Topology Meeting, KTH/University of Stockholm, Sweden
09.03.2015:	*Proper equivariant stable homotopy and virtual cohomological dimension* Homotopy theory conference, Mathematisches Forschungsinstitut Oberwolfach, Germany
21.11.2014:	*What is the geometric meaning of the virtual cohomological dimension of a group?* 22th NRW Topology Meeting, University of Bonn, Germany
19.04.2013:	*Rigidity in equivariant stable homotopy theory* 19th NRW Topology Meeting, University of Osnabrück, Germany
June 2011:	*Mini course on Model categories* Algebra, Topology and Fjords, Summer School, Nordfjordeid, Norway

Language Skills:

Georgian (native language), English (fluent), German (fluent), Russian (fluent), Danish (good).