

Curriculum Vitae

Name:	Daniel Schäppi	Address:	Fakultät für Mathematik, M206
Citizenship:	Swiss		Universität Regensburg
Place of origin:	Oberrieden ZH and Zürich ZH		Universitätsstraße 31
E-mail:	daniel.schaepi@ur.de		93053 Regensburg

Current Position

2015– Postdoctoral Fellow
Fakultät für Mathematik
Universität Regensburg

Previous Positions

2014–2015 SNF Early Postdoc Mobility Fellowship
The University of Sheffield, Sheffield, UK

2013–2014 Postdoctoral Fellow
Department of Mathematics
The University of Western Ontario

Educational Information

2008–2013 **University of Chicago**, Chicago, IL, USA
PhD in Mathematics
15. 6. 2013
Thesis: Generalized Tannaka Duality
Advisor: J. P. May

2012 **Macquarie University**, Sydney, NSW, Australia
Endeavour Research Fellowship
5. 1. 2012 – 4. 7. 2012

2006–2008 **Eidgenössische Technische Hochschule Zürich**, Zürich, Switzerland
MSc ETH Mathematics
17. 3. 2008
Thesis: Tannaka duality for coalgebras over commutative rings
Advisor: R. Pink

2003–2006 **Eidgenössische Technische Hochschule Zürich**, Zürich, Switzerland
BSc ETH Mathematics
11. 12. 2006

Teaching Experience

Universität Regensburg

- 2022 Seminar zu Kryptographie und elliptischen Kurven
- 2021/22 Examenskurs Algebra und Zahlentheorie
- 2021 Monads and their applications II
- 2021 Seminar: Mathematik und Zaubern
- 2020/21 Zentralübung und Übung: Lineare Algebra
- 2019/20 Monads and their applications
- 2019 Zentralübung zur Einführung in Wahrscheinlichkeitstheorie und Statistik
- 2018/19 Analysis für Physiker III
- 2018/19 Seminar: Infinity categories for the working mathematician
- 2015/2016 Tannaka Duality

University of Western Ontario

- 2014 Introduction to Algebraic Curves (Math 3154B)
- 2013 Introductory Calculus (Math 0110A)

University of Chicago

- Lecturer in the College*
2012/2013 Calculus I–III (Math 15100–15300)
- 2011/2012 Calculus II (Math 15200)
- Summer 2011 Mentor and Course Assistant for Mathematics REU at the University of Chicago
- 2010/2011 Elementary functions and calculus I–III (Math 13100–13300)
- College Fellow* (teaching assistant)
2009/2010 Honors Basic Algebra I–III

Eidgenössische Technische Hochschule Zürich

- Spring 2008 Main Assistant for Algebra II (D-MATH)
responsibilities include stand-ins for the lecturer
- Fall 2007 Tutor for Algebra I (D-MATH)
- Spring 2006 Tutor for Linear Algebra II (D-MATH)
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Papers and Preprints

Daniel Schäppi, Formal Laurent series rings and the Hermite ring conjecture, preprint, arXiv: 2204.06303 [math.AC]

Daniel Schäppi, Flat replacements of homology theories, preprint, arXiv: 2011.12106 [math.AT]

Daniel Schäppi, Constructing colimits by gluing vector bundles, *Adv. Math.* 375 (2020), 107394, 85 pp., arXiv: 1505.04596 [math.AG]

Daniel Schäppi, Graded-Tannakian categories of motives, preprint, arXiv: 2001.08567 [math.AG]

Daniel Schäppi, Uniqueness of fiber functors and universal Tannakian categories, preprint, arXiv: 1805.03485 [math.AG]

Daniel Schäppi, Descent via Tannaka duality, preprint, arXiv: 1505.05681 [math.AG]

Richard Garner and Daniel Schäppi, When coproducts are biproducts, *Math. Proc. Cambridge Philos. Soc.*, 161 (2016), 47-51. arXiv: 1505.01669 [math.CT]

Daniel Schäppi, Which abelian tensor categories are geometric?, *J. Reine Angew. Math.*, 734 (2018), 145–186. arXiv: 1312.6358 [math.AG]

Daniel Schäppi, Ind-abelian categories and quasi-coherent sheaves, *Math. Proc. Cambridge Philos. Soc.*, 157 (2014), 391-423. arXiv: 1211.3678 [math.AG]

Daniel Schäppi, A characterization of categories of coherent sheaves of certain algebraic stacks, preprint (accepted for publication in *Journal of Pure and Applied Algebra*), arXiv: 1206.2764 [math.AG]

Daniel Schäppi, The formal theory of Tannaka duality, *Astérisque* No. 357 (2013), viii+140 pp. ISBN: 978-2-85629-773-5, arXiv: 1112.5213 [math.CT]

Awards and Fellowships

- 19. 06. 2013 Early Postdoc Mobility Fellowship
Swiss National Foundation

 - 8. 11. 2011 2012 Endeavour Research Fellowship
Australian Government
Department of Education, Employment and Workplace Relations

 - 21. 11. 2009 Willi-Studer Award for highest GPA among 2008 mathematics graduates
(Awarded jointly with Claude Gittelsohn)
Eidgenössische Technische Hochschule Zürich

 - 22. 11. 2008 ETH Medal for outstanding master's thesis
Eidgenössische Technische Hochschule Zürich
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Talks given

- 7. 2. 2021 From homology theories to Hopf algebroids - and back!
Advances in Hopf Algebroids
Online Conference
 - 3. 2. 2021 Flat replacements of homology theories
Topology Seminar
Western University
 - 20. 3. 2018 Invertible categories and étale cohomology
First Antipode Workshop 2018
ULB Brussels
 - 6. 12. 2016 Higher distributive laws
Category Theory Seminar
The University of Sheffield
 - 12. 10. 2016 Geometric tensor categories and Adams stacks
Junior Trimester Program Topology
Hausdorff Institute for Mathematics, Bonn
 - 9. 7. 2015 Tannaka duality and Adams Hopf algebroids
Young Topologists' Meeting 2015
Ecole Polytechnique Fédérale de Lausanne
 - 30. 3. 2015 Descent via Tannaka duality
Topology Seminar
University of Copenhagen
 - 13. 3. 2015 Geometric tensor categories and applications to descent problems
Séminaire Itinérant de Catégories
Université du Littoral à Calais
 - 10. 3. 2015 Universal weakly Tannakian categories
Quantum Algebras Seminar
Queen Mary University of London
 - 9. 3. 2015 Tannaka duality for stacks
Algebra Seminar
Queen Mary University of London
 - 1. 2. 2015 Universal geometric tensor categories
Peripatetic Seminar on Sheaves and Logic 97
Université catholique de Louvain
 - 27. 1. 2015 Universal geometric tensor categories
Category Theory Seminar
University of Cambridge
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- 18. 12. 2014 Tensor categories arising in algebraic geometry
Yorkshire and Midlands Category Theory Seminar meeting
University of Leicester

 - 2. 7. 2014 Geometric tensor categories
CT 2014 (International Conference on Category Theory)
Cambridge University

 - 24. 4. 2014 Geometric tensor categories
Topology Seminar
University of Chicago

 - 25. 11. 2013 A Tannakian characterization of categories of coherent sheaves
Topology Seminar
University of Minnesota

 - 17. 7. 2013 Fontaine-Laffaille filtered modules as coherent sheaves
Algebra/Geometry/Topology Seminar
University of Melbourne

 - 12. 7. 2013 Weakly Tannakian categories
CT 2013 (International Conference on Category Theory)
Macquarie University
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