Anssi Lahtinen – Curriculum Vitae

BORN	October 3, 1979

EMPLOYMENT

⋄ **University of Copenhagen**, Denmark
visiting assistant professor, 1/2018–present;
Marie Skłodowska-Curie fellow, 3/2018–present.

⋄ **Universität Hamburg**, Germany
wissenschaftlicher Mitarbeiter (postdoc), 11/2015–10/2017;
visiting scholar, 11–12/2017.

⋄ **KTH Royal Institute of Technology**, Sweden
postdoc, 9/2013–8/2015; visiting scholar, 9–10/2015.

⋄ **University of Copenhagen**, Denmark
postdoc, 9/2010–8/2013.

EDUCATION

⋄ **Stanford University**, California, USA
PhD in mathematics, 9/2010 (started 9/2005)
Advisor: Ralph Cohen.

⋄ **University of Helsinki**, Finland
Licentiate of Philosophy in mathematics, 12/2003 (started 9/2002).
Advisor: Sören Illman.
BSc and MSc in mathematics, 4/2002 (started 1/1999).

RESEARCH INTERESTS

Algebraic topology, especially string topology; applications to group homology and cohomology.

TEACHING EXPERIENCE

⋄ **Lecturer**, Universität Hamburg
· Introduction to topological K-theory, summer semester 2016
A master-level course designed and lectured by myself.
· Prep course for mathematical master programs, winter semester 2016/17
An intensive one-week course for incoming master's students.

⋄ **Lecturer**, University of Copenhagen
· Algebraic Topology 1.5, spring 2018 (with Nathalie Wahl)
· Algebraic Topology 2, spring 2013 (with Nathalie Wahl)
· Optimization and Convexity, fall 2010 (with Leonel Robert)

⋄ **Teaching Assistant**, Universität Hamburg
· Homotopical algebra and higher categories, winter semester 2016/17.
· Mathematics II for students of Physics, summer semester 2017.

⋄ **Teaching Assistant**, KTH Royal Institute of Technology
· Algebra and Geometry (linear algebra), fall 2015

⋄ **Teaching Assistant**, University of Copenhagen
· Stable homotopy theory, fall 2012
· Optimization and Convexity, fall 2011

- · Geometry 2 (smooth manifolds), fall 2011
- · Algebraic Topology 2, spring 2011
- · Topology (point-set topology), fall 2010

◇ **Teaching Assistant**, Stanford University

- · Math 53 (ODEs with linear algebra), spring 2010
- · Math 51 (Linear algebra and multivariable calculus), winter 2008 and 2009

◇ **Course Assistant**, Stanford University

- · Math 20 (single-variable calculus), winter 2010
- · Math 120 (undergraduate abstract algebra), fall 2008
- · Math 215B (graduate algebraic topology), winter 2007
- · Math 103 (undergraduate linear algebra), winter 2006 and summer 2008
- · Math 171 (undergraduate abstract analysis), fall 2005

◇ **Supervisor**, University of Copenhagen

- · Master's thesis project on the classifying space of the 2-dimensional cobordism category, 4/2018–

◇ **Supervisor**, Universität Hamburg

- · Reading course in analysis for master's students in computer science, summer semester 2016.

SELECTED
CONFERENCE
TALKS

◇ *String topology of finite groups of Lie type*
Mapping Spaces in Algebraic Topology,
Kyoto University, Japan, August 2018.

◇ *String topology of finite groups of Lie type*
International Conference on Manifolds, Groups and Homotopy,
Isle of Skye, Scotland, June 2018.

◇ *String topology of finite groups of Lie type*
28th NRW Topology Meeting,
Bielefeld, Germany, November 2017.

◇ *Modular characteristic classes for representations over finite fields*
Alpine Algebraic and Applied Topology Conference,
Saas-Almagell, Switzerland, August 2016.

◇ *Automorphisms of free groups and string topology*
Workshop on Automorphisms of Free Groups,
University of Copenhagen, November 2015.

◇ *String Topology and Classifying Spaces*
Lecture series (with Richard Hepworth) at Summer School on String Topology
and Rational Homotopy Theory, Universität Hamburg, September 2015.

◇ *Higher operations in string topology of classifying spaces*
Nordic Topology Meeting 2015, Stockholm, August 2015.

◇ *String topology of classifying spaces*
Manifolds, K-theory, and Related Topics,
Dubrovnik, Croatia, June 2014.

◇ *String topology of classifying spaces*
Fourth Arolla Conference on Algebraic Topology,
Arolla, Switzerland, August 2012.

	⋄ *String topology of classifying spaces* Strings and Automorphic Forms in Topology, Ruhr-Universität Bochum, Germany, August 2012.
	⋄ *String topology of classifying spaces* 26th British Topology Meeting, ICMS, Edinburgh, September 2011.
	⋄ *The Atiyah–Segal completion theorem in twisted K-theory* AMS Sectional Meeting in Riverside, California, November 2009.
SELECTED SEMINAR TALKS	⋄ *String topology of finite groups of Lie type* OAC-Manifolds meeting, Aberdeen, Scotland, October 2017.
	⋄ *Modular characteristic classes for representations over finite fields* Topology Seminar, University of Copenhagen, March 2016.
	⋄ *Higher operations in string topology of classifying spaces* SFB Seminar, Universität Regensburg, May 2015.
	⋄ *String topology of classifying spaces* Topology Seminar, UBC, Vancouver, July 2014.
	⋄ *String topology of classifying spaces* KTH Royal Institute of Technology, Stockholm, April 2013.
	⋄ *String topology and field theories* University of Göttingen, February 2013.
	⋄ *String topology of classifying spaces* Topology Seminar, University of Bonn, January 2013.
	⋄ *Twisted K-theory and string topology* Topology Seminar, University of Copenhagen, January 2010. Topology Seminar, Northwestern University, October 2009. Algebraic Topology Seminar, University of Chicago, October 2009.
SELECTED REFEREE ASSIGNMENTS	⋄ Algebraic & Geometric Topology, 2015
	⋄ Journal of Topology, 2015
	⋄ Topology and its Applications, 2013
	⋄ Transactions of the AMS, 2013 (referee) and 2015 (preliminary opinion)
CONFERENCES AND SEMINARS ORGANIZED	⋄ Main organizer of the Young Topologists Meeting 2012, a week-long conference with about 120 participants, University of Copenhagen, July 2–6, 2012. `http://www.math.ku.dk/english/research/conferences/ytm2012/`
	⋄ Co-organizer of a workshop on string topology and related topics, University of Copenhagen, April 15–19, 2013. `http://www.math.ku.dk/english/research/conferences/stringtop/`
	⋄ Initiator and co-organizer of the Parametrized Seminar, an informal reading seminar, fall 2010—spring 2011.
	⋄ Co-organizer of the Copenhagen topology seminar, fall 2012—spring 2013.
	⋄ Co-organizer of the joint KTH–Stockholm University Topological Activities seminar, fall 2014—fall 2015.
OUTREACH ACTIVITIES	⋄ Organizer of a mathematical gong show at the Copenhagen Culture Night festival, October 2018.

Grants   ◇ Marie Skłodowska-Curie Individual Fellowship, 200,000 EUR, 2018.

                   ◇ Three-year grant of the Finnish Cultural Foundation, 44,500 EUR, 2003.

Languages   Native Finnish, excellent English, some French, German and Swedish.

Citizenship   Finnish.