

Anssi Lahtinen – Curriculum Vitae

- BORN** October 3, 1979
- EMPLOYMENT** ◇ **University of Copenhagen**, Denmark
Marie Skłodowska-Curie fellow, 3/2018–2/2020;
assistant professor, 1/2018–10/2020;
postdoc, 11/2020–7/2021.
- ◇ **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) and spring 2021 (with Lukas Woike). In 2021, the course was taught online.
 - 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 2-dimensional cobordism category, 4–12/2018
- ◇ **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

- ◇ *An introduction to string topology*
Pure Maths Colloquium, University of Sheffield, UK, March 2021 (online).
- ◇ *String topology of finite groups of Lie type*
Topology Seminar, UBC, Vancouver, January 2020.
- ◇ *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.

CONFERENCES
AND SEMINARS
ORGANIZED

- ◇ Co-organizer of workshop “Classifying spaces of finite groups of Lie type,”
University of Copenhagen, July 8–12, 2019.
<http://math.ku.dk/english/research/conferences/2019/finite-groups-of-lie-type/>
- ◇ Co-organizer of workshop on “String topology and related topics,”
University of Copenhagen, April 15–19, 2013.
<http://math.ku.dk/english/research/conferences/2013/stringtop/>
- ◇ Main organizer of the Young Topologists Meeting 2012, a week-long conference
with about 120 participants, University of Copenhagen, July 2–6, 2012.
<http://math.ku.dk/english/research/conferences/2012/ytm2012/>
- ◇ 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 and October 2019
- 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.