

CURRICULUM VITAE

Wahl, Nathalie
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Photo:Lars Svankjær

Education

- 1998–2001 PhD in Mathematics from Oxford University (awarded August 10, 2001).
(Thesis: “Ribbon braid and related operads”. Advisor: Prof. U. Tillmann.)
- 1994–1998 Licence in Mathematics from Université Libre de Bruxelles.
(Dissertation: “Extension au cas infini de la théorie des familles bien graduées et des géométries convexes”. Advisor: Prof. J.-P. Doignon.)

Current position

- Apr 2010– Professor at the Department of Mathematical Sciences, University of Copenhagen.
Apr 2020 – Center Leader of the DNRF *Copenhagen Center for Geometry and Topology*.

Previous positions

- Jul 2006–Apr 2010 Associate Professor at the University of Copenhagen, Denmark.
Jan 2005–Jun 2006 L. E. Dickson Instructor at the University of Chicago, USA.
Jan 2003–Dec 2004 Assistant Professor at Aarhus University, Denmark.
Sept 2001–Dec 2002 Visiting Assistant Professor at Northwestern University, USA.

Visiting positions

- July 2018–Dec 2018 Heilbronn Distinguished Visitor, Cambridge University and Newton Institute
Apr 2015–Jun 2015 Guest researcher at Max Planck/Hausdorff Institute (Bonn, Germany).
Jan 2014–May 2014 Research Professor at Mathematical Sciences Research Institute (Berkeley, USA).
Sept 2012–Nov 2012 Visitor at Institut des Hautes Etudes Scientifiques (Bures-sur-Yvette, France).
Apr 2006–Jun 2006 Visitor at the Mittag-Leffler Institut (Djursholm, Sweden).

Grants

- 2020– Danish National Research Foundation Center of Excellence
(Center leader for the *Center for Geometry and Topology*)
- 2018–2023 ERC Consolidator Grant
- 2009–2014 ERC Starting Grant
- 2006–2009 Steno fellowship of the Danish Natural Science Research Council
- 2006 (spring) Mittag-Leffler visiting fellowship
- 2005–2008 NSF Research Grant DMS-0504932
- 2003–2004 Marie Curie European Fellowship (2 years)
- 1998–2001 Full graduate scholarship from Wiener-Anspach Foundation

Honors, awards and academy memberships

2022	Invited speaker at the International Congress of Mathematicians
2020–	Member of the Royal Danish Academy of Sciences and Letters
2016–2022	Member of Danmarks Naturvidenskabelige Akademi
2010	Invited speaker at the International Congress of Women Mathematicians (Hyderabad)
2009–2013	Female Research Leader Award of the Danish Council of Independent Research
2008	Young Danish Elite Researcher Prize
2005	Francqui Fellow of the Belgian American Educational Foundation
1998	Diplôme d'honneur et Médaille de l'Université Libre de Bruxelles

Conference talks (recent talks, selected)

[~90 talks at conferences since 2000.]

Ib's fest (Copenhagen, Oct 22),
Topology meeting (Oberwolfach, Germany, July 22),
Twinned Conference on Homotopy Theory with Applications to Arithmetic and Geometry (MPI Bonn, Germany, June 22),
Geometric Structures in Groups (Oberwolfach, Germany, Feb/March 22),
Manifolds and K-theory (Ranicki memorial, Edinburgh, UK, June 21),
British Math Colloquium (Glasgow, UK, April 21),
Manifolds and groups (Oberwolfach, Germany, 20),
International workshop on Algebraic Topology 2019 (Shanghai, China, Aug 19),
Mathematics Münster: Dynamics - Geometry - Structure, Opening Colloquium (Münster, Germany, June 19),
Modern Trends in Non-commutative Geometry (Boris Tsygan 60th birthday) (Northwestern, USA, May 19),
Geometry at infinity (Münster, Germany, April 19),
Higher structures (CIRM, Luminy, France, Jan 19),
Topology of arrangements and representation stability (Oberwolfach, Germany, 18),
Braids in algebra, geometry and topology (Edinburgh, UK, 17).

Lecture series (recent)

Topological field theories (Connections for Women, MSRI, USA, 20).
Algebraic and geometric approach to string topology (Geneva, March 19).
LMS-CMI Research School: Algebraic Topology of Manifolds (Oxford, Sept 2017),
Young topologists meeting (Copenhagen, Denmark, July 16),
Women and Math (IAS, USA, May 16),
Homological stability (Nantes, April 16),
Connections for Women (MSRI, USA, 14 and 20),
Young women in Topology (Bonn, Germany, 11),
PCMI graduate summer school (Park City, USA, 11).

Teaching

I have taught courses at Northwestern University, the University of Chicago and the University of Copenhagen, ranging from first year courses such as Calculus and Linear Algebra, to advanced courses such as Homotopy Theory or Differential Topology.

PhD Students:

Oscar Harr (22-), Pierre Elis (21-), Nanna Havn Aamand (19-), Robin Sokra (18-21), Espen Nielsen (15-18), Manuel Krannich (15-18), Massimiliano Ungheretti (13-16), Daniela Egas (11-14), Angela Klamt (10-13), Tarje Bargheer (08-11).

Organization of scientific meetings

- 2022 Floer Homotopy theory (MSRI, USA)
- 2022 Geometry and Topology, ICM sectional workshop (Copenhagen, Denmark)
- 2019 Higher structures (CIRM, France)
- 2018 Mentor, with Alexandru Oancea, for European Talbot “Free loop spaces” (Fischbach, Germany).
- 2010–2016 Oberwolfach topology meeting (4 meetings organized)
- 2014 Loop spaces in geometry and topology (Nantes, France)
- 2010 Summer school on the homotopy theory of moduli spaces (Oregon, USA).
- 2009 Allen Hatcher’s 65th Birthday Conference (Bannf, Canada).
- 2009 Loop, Strings and Moduli Spaces (Tianjin, China)
- 2006– Many conferences and workshops in Copenhagen, Denmark.

Institutional responsibilities

- 2018– Member of the diversity committee, Dept of Mathematics, Univ. of Copenhagen.
- 2014–2018 Member of the department council, Dept of Mathematics, Univ. of Copenhagen.

Commissions of trust

- 2021– Editor for Geometric and Topology.
- 2019– Editor for Algebraic and Geometric Topology.
- 2018–2022 Editor of Research in the Mathematical Sciences.
- 2017– Member of the Scientific Advisory Board, Max Planck Institute in Bonn (Germany).
- 2016– Editor for the Bulletin of the Belgian Mathematical Society.
- 2014–2019 Editor for Homology, homotopy and applications.

Career breaks (parental leaves for three children born in 2009, 2011 and 2014):

Dec 2008–July 2009, Dec 2010–July 2011, Dec 2014–April 2015 and July 2015–Aug 2015.