

CURRICULUM VITAE

Wahl, Nathalie

Date of birth: October 3rd 1976 in Brussels (Belgium).

Nationality: Belgian.

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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.
Spring 2020 – Center Leader of the *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).

Personal grants

- 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.

Prizes, awards and academy memberships

- 2016– Member of Danmarks Naturvidenskabelige Akademi
- 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)

[80 talks at conferences since 2000.]

- 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),
- Moduli and traces: a celebration of the mathematical life of Ib Madsen (Copenhagen, Denmark, 17),
- Topology of Manifolds (Michael Weiss' 60th birthday) (Lisbon, Portugal, June 16),
- Topological and homological methods in group theory (Bielefeld, Germany, Apr 16),
- Algebraic topology: manifolds unlocking higher structures (Oxford, UK, Sept 15),
- International Congress of Women Mathematicians (Hyderabad, Indian, 10),

Lecture series (recent)

- 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),
- 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, Algebraic Geometry or Differential Topology.

PhD Students:

Nanna Havn Aamand (19-), Robin Sokra (18-), David Bauer (18-), 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)
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

2019– Editor for Algebraic and Geometric Topology.
2018– 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.
2012 Member of the review panel “Mathematics” for the Excellence initiative (Germany).
2007 Editor for the proceedings of the Postnikov Memorial Conference (Poland).
2007 Member of NSF review panel (USA).

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.