

Tobias Holck Colding: Curriculum Vitae

Education: Ph.D., University of Pennsylvania, August 1992.

Dissertation: Alexandrov spaces in Riemannian Geometry.

Advisor: Christopher B. Croke.

Research Interests: Differential Geometry, Geometric Analysis, PDE, low-dimensional Topology, Classical Analysis, General Relativity, Probability.

Positions held:

Spring 2020: Eilenberg Visiting Professor, Columbia University.

2017-21: Member of board of governors of Technical University of Denmark.

Spring 2016: Eisenbud Visiting Professor, MSRI.

2013-: Cecil and Ida Green Distinguished Professor, MIT.

Fall 2011: Eisenbud Visiting Professor, MSRI.

2010-13: Norman Levinson Professor, MIT.

2006- : Honorary Professor, University of Copenhagen.

2005- : Professor, MIT.

2001-02: Visiting Professor, Princeton University.

2000-01: Visiting Professor, MIT.

1999-08: Professor, New York University.

1996-99: Associate Professor, New York University.

1995-96: Assistant Professor, New York University.

1994-95: Courant Instructor, New York University.

1993-94: MSRI Postdoctoral Fellow, MSRI.

1992-93: Courant Instructor, New York University.

Academy Memberships:

American Academy of Arts and Science (elected 2008).

Royal Danish Academy of Science and Letters (elected 2006).

Prizes:

2010 Oswald Veblen Prize.

2016 Carlsberg Foundation Research Prize.

Major Lectures:

2024 Forward from the Fields Medal: A celebration of 100 years of math excellence in Canada.

2023 D'Atri Lectures, Rutgers University.

2022 Plenary lecture ICM.

2020 Eilenberg lectures, Columbia University.

2017 Coxeter lectures, Fields Institute, Toronto.

2017 Invited Hour Address, National AMS meeting, Georgia.

2016 Plenary lect. 27th Nordic Congress of Math. (100th anniversary of Inst. Mittag-Leffler), Stockholm.

2012 Roeber Lectures, Washington University.

2012 Kempf Lectures, Johns Hopkins University.

2010 Yamabe Memorial Lectures, University of Minnesota.

2010 Cantrell Lectures, University of Georgia.

2008 Mordell lecture, University of Cambridge.

2003 Invited Address at the German Mathematics meeting,

2000 John H. Barrett Lectures, University of Tennessee.

2000 Invited address AMS-Scandinavian International Meeting.

1998 Invited Lecture at the ICM Berlin.
1998 AMS Invited address in Philadelphia .

Grants and Awards:

2024- : NSF Grant DMS 2405393.
2021-2024: NSF Grant DMS 2104349.
2018-2021: NSF Grant DMS 1812142.
2017-2018: Simons Fellow.
2015-2016: Clay Senior Scholar.
2014-2019: NSF Grant DMS 1404540.
2013-2017: MIT-University of Pisa, Italy, seed grant.
2011-2012: Clay Senior Scholar.
2011-2015: NSF Grant DMS 11040934.
2009-2014: NSF FRG grant DMS 0854774.
2008-2009: MIT-France seed grant.
2006-2011: NSF grant DMS 0606629.
2001-2006: NSF grant DMS 0104453.
1998-2001: NSF grant DMS 9803253.
1996 Alfred P. Sloan Research fellowship.
1995-1998: NSF grant DMS 9504994.
1993-1995: NSF grant DMS 9303999.
1991-1992: Alfred P. Sloan Doctoral Dissertation Fellowship.
1990-1991: Deans' Dissertation Fellowship, U. of Penn.
Thanks to Scandinavia.

Editorial Boards: Acta Mathematica, Annals of Mathematics (ended), IMRN, Geom. Ded. (ended), Int. Math. Jour., Elec. Res. Ann AMS (ended), Elec. Res. Ann. in Math. Sci., TAMS (ended), Mem. of the AMS (ended), Math. Zeit. (ended), Comm. Math. Helv., Jour. of Modern Math. (ended), Geom. and Top., Adv. in Calc. of Var. (ended), Crelle, Duke Math. Journal, Bulletin of the AMS book reviews.

PhD students: Xavier Menguy, PhD 2000 NYU, Maria Calle, PhD 2007 NYU, Darren Lee, PhD 2008 NYU, Jacob Bernstein, PhD 2009 MIT, Lu Wang, PhD 2011 MIT, Wenxuan Lu, PhD 2011 MIT (secondary advisor), Niels Martin Moeller, PhD. 2012 MIT, Hoeskuldur Halldorsson, PhD 2013 MIT, Daniel Ketover, PhD 2014 MIT, Zihan Hans Liu, PhD 2016 MIT, Nick Strehlke, PhD 2019 MIT, Jiewon Park, PhD 2020 MIT, Jackson Hance, PhD 2023 MIT, Xinrui Zhao (current), Yiqi Huang (current), Shrey Aryan (current), Benjy Firester (current), Cosmin Manea (current).

Post-docs: NYU: Ailana Fraser, Natasa Sesum, MIT: Brett Kotschwar, Michael Eichmair, Craig Van Coevering, Gabriel Hernandez, Aaron Naber, Christine Breiner, Steve Kleene, Joe Lauer, Shouhei Honda, Xin Zhou, Martin Li, Haozhao Li, Heather Macbeth, Nick Edelen, Luca Spolaor, Christos Mantoulidis, Kyeongsu Choi, Tristan Ozuch-Meersseman, Keaton Naff, Qin Deng, Giada Franz, Jingze Zhu, Wenkui Du, Ruojiang Wang, Max Lipton.

Assistant professors: Aaron Naber, Tristan Collins, Tristan Ozuch-Meersseman.