

Curriculum Vitae of Nicholas Sheridan (last updated: 12/5/2016)

CONTACT INFORMATION	Department of Mathematics Princeton University Fine Hall, Washington Road Princeton, NJ 08544-1000, USA	<i>E-mail:</i> nsher@math.princeton.edu <i>Webpage:</i> www.math.princeton.edu/~nsher
PERSONAL INFORMATION	Date of birth: 4/28/1984 Citizenship: Australian and British (currently on H1B visa in USA)	
RESEARCH INTERESTS	Homological mirror symmetry and symplectic topology.	
EDUCATION	Massachusetts Institute of Technology	2007–2012
	Ph.D. in Mathematics, June 2012	
	<ul style="list-style-type: none">• Dissertation Topic: “Homological Mirror Symmetry for Calabi–Yau hypersurfaces in projective space”• Advisor: Paul Seidel	
	University of Melbourne	2003–2006
	Bachelor of Science (Honours)	
	<ul style="list-style-type: none">• Major: Pure Mathematics• Honours thesis title: “Hamilton’s Ricci Flow”• Advisor: Craig Hodgson	
EMPLOYMENT	Assistant Professor of Mathematics, Princeton University Veblen Research Instructor, Princeton University/IAS	2015– 2012–2015
AWARDS	NSF grant DMS-1310604 (PI), \$158 215, 2013–2016. Junior Faculty Teaching Award, Princeton University Mathematics Department, 2016.	
PUBLICATIONS	<i>On the Fukaya category of a Fano hypersurface in projective space</i> , Publications Mathématiques de l’IHÉS, 124 (2016), no. 1, 165–317, doi 10.1007/s10240-016-0082-8. <i>Homological mirror symmetry for Calabi–Yau hypersurfaces in projective space</i> , Inventiones Mathematicae, 199 (2015), no. 1, 1–186, doi 10.1007/s00222-014-0507-2. <i>On the homological mirror symmetry conjecture for pairs of pants</i> , Journal of Differential Geometry, 89 (2011), no. 2, 271–367.	
PREPRINTS	<i>Formulae in noncommutative Hodge theory</i> , arXiv:1510.03795 (54 pages). (With Sheel Ganatra and Timothy Perutz) <i>Mirror symmetry: from categories to curve counts</i> , arXiv:1510.03839 (37 pages). (With Timothy Perutz) <i>Automatic split-generation for the Fukaya category</i> , arXiv:1510.03848	

(24 pages).

COLLOQUIUM
TALKS

December 2016, University of Michigan.
October 2016, IAS members seminar.
April 2015, Northeastern University.
March 2015, Yale University.
February 2013, IAS members seminar.

LECTURE SERIES

June 2015, Hebrew University of Jerusalem, designed a fifteen-lecture series about my thesis, of which I delivered six (the rest were delivered by workshop participants).
August 2011, University of Vienna, three-lecture series about my thesis.

CONFERENCE
TALKS

November 2016, Annual meeting of the Simons collaboration on homological mirror symmetry, Simons Foundation.
November 2016, Workshop on homological mirror symmetry, IAS.
November 2015, Inaugural conference of Simons collaboration on homological mirror symmetry, University of Pennsylvania.
August 2015, Conference on Topology, Geometry and Dynamics in Honour of François Lalonde, Centre de Recherches Mathématiques.
August 2015, FRG workshop at Harvard University.
June 2015, Workshop on moduli spaces in symplectic topology and in gauge theory, Luminy.
December 2014, keynote speaker for Algebraic Geometry Session, Meeting of the Australian and New Zealand Mathematics Societies.
October 2014, Clay Research Conference, Clay Institute.
June 2014, Workshop on moduli spaces of pseudo-holomorphic curves, Simons Center.
April 2014, Graduate student topology and geometry conference, University of Texas at Austin.
May 2013, Conference on J-holomorphic Curves in Symplectic Geometry, Topology and Dynamics, CRM.
September 2012, Special Session on Contact and Symplectic Geometry in AMS Sectional Meeting, Rochester Institute of Technology.
July 2012, String Math Conference, Bonn.
June 2012, Workshop on the Geometry and Physics of the Landau-Ginzburg Model, IPMU, Tokyo.
July 2011, Conference on Homological Mirror Symmetry and Category Theory, Split, Croatia.
July 2011, Conference on Homological Mirror Symmetry and Tropical Geometry, Cetraro, Italy.
January 2011, Workshop on Mirror Symmetry and Related Topics, University of Miami.

- SEMINAR TALKS July 2016, Geometry seminar, Instituto Superior Técnico.
 June 2016, Moduli seminar, ETH Zürich.
 May 2016, Geometry/Physics seminar, Northwestern University.
 April 2016, Joint symplectic seminar, Cornell University and Penn State University.
 July 2015, Geometry seminar, Instituto Superior Técnico.
 July 2015, Moduli seminar, ETH Zürich.
 April 2015, Seminar on geometry, symmetry and physics, Rutgers University.
 November 2014, Geometry and Physics Seminar, University of Michigan.
 November 2013, Topology Seminar, Princeton University.
 July 2013, Differential Geometry and Topology Seminar, Cambridge University.
 July 2013, Geometry Seminar, Instituto Superior Técnico.
 June 2013, ETH Zürich.
 May 2013, Geometry and Topology Seminar, MIT.
 January 2013, Algebra/Geometry/Topology Seminar, Melbourne University.
 October 2012, Symplectic Geometry Seminar, IAS/Princeton University.
 June 2012, Institute of Mathematical Sciences, Chinese University of Hong Kong.
 March 2012, Geometry Seminar, University of Texas at Austin.
 December 2011, Symplectic Geometry, Gauge Theory and Categorification Seminar, Columbia University.
 December 2011, Northern California Symplectic Geometry Seminar.
 November 2011, Topology and Geometric Group Theory Seminar, Cornell University.
 November 2011, M-seminar, Kansas State University.
 November 2011, IHÉS, Paris.
 October 2011, Algebraic Geometry Seminar, Cambridge University.
 October 2011, Geometry and Topology Seminar, Massachusetts Institute of Technology.
 March 2011, Geometry Seminar, Simons Centre for Geometry and Physics.
- ORGANIZING *Workshop on homological mirror symmetry*, IAS, Fall 2016 (with Paul Seidel).
IAS/Princeton University Symplectic Geometry Seminar, 2013–2016 (with Penka Georgieva, Jo Nelson, Joel Fish, Egor Shelukhin).
Mathematical Conversations, social mathematical seminar at IAS, 2013 (team of three).
RTG graduate student workshop on microlocal sheaf theory, 2011 (team of six).
RTG graduate student workshop on symplectic field theory, 2010 (team of three).
Pure Math Graduate Student Seminar, 2010, MIT (team of three).
- REFEREE FOR: Publications Mathématiques de l’IHÉS
 Memoirs of the American Mathematical Society
 Geometric and Functional Analysis
 Selecta Mathematica
 Bulletin of the London Mathematical Society

Mémoires de la Société Mathématique de France
International Mathematics Research Notices
Journal of Symplectic Geometry
American Mathematical Monthly

REVIEWER FOR: Mathematical Reviews/MathSciNet (2012–2015)
Zentralblatt (2011–2012)

COMMITTEES Graduate admissions committee, Princeton University (2015).

OUTREACH November, 2016: Undergraduate colloquium, Princeton University
February 2011: Math Circle, Boston
April 2007: Volunteered teaching maths and supervising children at an orphanage in Huan-
cayo, Peru.
April 2004, December 2004, April 2005: Live-in staff and lecturer at two-week camps for
the Australian Mathematical Olympiad training program.

TEACHING EXPERIENCE June 2016, Institut de Mathématiques de Jussieu, three-lecture minicourse about the Fukaya
category, as part of summer school on symplectic topology, mirror symmetry and sheaf the-
ory.

Spring 2013 – Fall 2014, Institute for Advanced Studies, twelve-lecture series about homo-
logical mirror symmetry.

Undergraduate teaching at Princeton:

- Spring 2016: Taught junior seminar course MAT 982: Topology of Singularities;
- Fall 2015: Course head for course MAT 201: Multivariable Calculus, average student evaluation 4.5 out of 5;
- Spring 2014: Instructor for course MAT 202: Linear Algebra, average student evaluation 4.6 out of 5;
- Fall 2013: Instructor for course MAT 201: Multivariable Calculus, average student evaluation 4.2 out of 5;

Undergraduate teaching at MIT:

- Spring 2012: Course administrator for course 18.02: Multivariable Calculus;
- Spring 2011: Recitation instructor for course 18.06: Linear Algebra, average student evaluation 6.3 out of 7;
- Fall 2010: Head tutor of the Math Learning Center;
- Spring 2009: Recitation instructor for course 18.03: Differential Equations, average student evaluation 5.8 out of 7;
- Summer 2008: Designed and taught six-week multivariable calculus course for Project Interphase;