William P. Minicozzi II

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Education

Ph.D. in Mathematics, Stanford University, 1994.
Dissertation: *Geometric Variational Problems related to Symplectic Geometry.*
Advisor: Richard M. Schoen.
B.A. in mathematics, Princeton University, 1990.

Appointments

2018-   : Associate Head, Department of Mathematics, Massachusetts Institute of Technology.
2017-   : Singer Professor of Mathematics, Massachusetts Institute of Technology.
2012-   : Professor of Mathematics, Massachusetts Institute of Technology.
2011-12: Chair, Department of Mathematics, Johns Hopkins University.
2007-13: Krieger-Eisenhower Professor of Mathematics, Johns Hopkins University.
2002-07: J.J. Sylvester Professor of Mathematics, Johns Hopkins University.
2000-13: Professor, Johns Hopkins University.
1998-00: Associate Professor, Johns Hopkins University.
1994-98: Assistant Professor, Johns Hopkins University.
1994-95: Visiting Member, Courant Institute, New York University; advisor: Gang Tian.

Honors and grants

2018: Barrett Lectures, University of Tennessee.
2017: Ritt Lectures, Columbia University.
2015: Fellow of the American Academy of Arts and Sciences.
2012: Fellow of the AMS.
2012: Everett Pitcher Lectures, Lehigh University.
2011: Dean's award for excellence in research, Johns Hopkins University.
2010: Invited address, AMS Eastern sectional meeting.
2010: Oswald Veblen Prize in Geometry, AMS.
2010: Main speaker, Arkansas Spring Lectures.
2007: London Mathematical Society Spitalfields Lecture.
2006: Invited address, Geometry section, Madrid ICM.
2006: Professor of the Year Award, Mathematics Department teaching award.
2004: Professor of the Year Award, Mathematics Department teaching award.
2004: Finalist for School of Arts & Sciences excellence in teaching award.

2017-   : NSF Grant DMS-170270.
2012-17: NSF Grant DMS-1206827.
2009-12: NSF Grant DMS-0906233.
2009-12: NSF Focused Research Group Grant DMS-0853501, with T. Colding and D. Gabai.
2004-09: NSF Grant DMS-0405695.
2001-04: NSF Grant DMS-0104187.
1998-03: Alfred P. Sloan Foundation Research Fellow.

1998-01: NSF Grant DMS-9803144.
1995-98: NSF Postdoctoral Research Fellowship, advisor: Joel Spruck.
1990-94: NSF Graduate Research Fellowship.

Ph.D. Students

1. Sirong Zhang: 2004, *Curvature Estimates for Constant Mean Curvature Surfaces in 3-Manifolds.*
2. Brian Dean: 2004, *Some Results On Stable Compact Embedded Minimal Surfaces in 3-manifolds.*
3. Giuseppe Tinaglia: 2005, *Multi-valued graphs in embedded constant mean curvature disks.*
4. Christine Breiner: 2009, *Embedded Minimal Surface of Finite Topology and One End.*
5. Siddique Khan: 2009, *Embedded Minimal Disks with Curvature Blow-up on a Line Segment.*
6. Joel Kramer: 2009, *Embedded Minimal Spheres in 3-Manifolds.*
7. Steve Kleene: 2010, *Singular behavior of minimal surfaces and mean curvature flow.*
8. Longzhi Lin: 2011, *On the existence of closed geodesics and uniqueness of weakly harmonic maps.*
9. Caleb Hussey, 2012: *Classification and analysis of low index mean curvature flow self-shrinkers.*
10. Leili Shahriyari, 2013: *Translating graphs by mean curvature flow.*
11. Matthew McGonagle, 2014: *The Gaussian Isoperimetric Problem and the Self-Shrinkers of Mean Curvature Flow.*
12. John Ross, 2015: *Rigidity Results of Lambda-Hypersurfaces.*
13. Qiang Guang , 2016: *Self-shrinkers and translating solitons of mean curvature flow.*
14. Ryan Chang, 2016: *The 1-dimensional lambda curve and the nodal set for biharmonic Steklov problems.*
15. Jonathan Zhu, 2017: *Geometric Variational Problems for Mean Curvature.*
16. Paul Gallagher (current).
17. Ao Sun (current).

Professional Service

Scientific Advisory Panel, Fields Institute, (2014–   ).

Editor, Cambridge Journal of Mathematics (2012–   ).

Associate Editor, Annals of Mathematics (2016–   ).

Associate Editor, Journal of the American Mathematical Society (2012–   ).

Editorial Board, American Journal of Mathematics (Associate 2001–09; Full 2009–   ).

Editor, Journal of Geometric Analysis (2013–   ).

Editor, Geometriae Dedicata (2008–   ).

Editor, Analysis & PDE (2007–   ).

Editor, Journal of Topology and Analysis (2007–   ).

Editor, Bulletin of the American Mathematical Society (2017–   ).

Editor, Transactions of the American Mathematical Society (2007–15).

Editor, Memoirs of the American Mathematical Society (2007–15).

Editorial Board, University Lectures book series of the AMS (2010–   ; Chair 2011–   ).

Committee: AMS Program Committee for National Meetings (2/1/16–1/31/19).

Committee: AMS Eastern Section Program Committee (2/1/04–2/1/06).

Organized: 1998–99 JAMI conference with Professors Morava, Spruck, and Nishikawa (Sendai).
2006: Geometric Analysis and Nonlinear elliptic PDE's with Professors Caffarelli, Evans, and Guan.
2010: Graduate student and post-doc workshop on mean curvature flow and related topics with Professors Colding and Gabai, JHU.
2014: Workshop of Uniqueness in Analysis and Geometry with Professors Colding, Toro and Wickramasekera, MIT.