CV for Micah Warren

Email: micahw@uoregon.edu
October 28, 2022

Education

• Pacific Lutheran University, Mathematics. B.S. June, 2000.

Appointments

• Associate Professor of Mathematics, University of Oregon, Sept 2019 - Present
• Assistant Professor of Mathematics, University of Oregon, Sept 2013 - Sept 2019.
• Assistant Professor of Mathematics, Princeton University, July 2011-Aug 2013.
• Predoctoral Teaching Assistant, University of Washington Mathematics Department. Autumn 2000 - Spring 2008.

Grant Support

• NSF Grant DMS-0901644 Hessian and Special Lagrangian Equations, 2009-2012.
• Liftoff Fellow, Clay Institute Liftoff Program. Summer 2008.
Preprints/In preparation


Accepted Papers


Published Papers


**Book**

*Bitcoin: A Game-theoretic analysis.* de Gruyter. Planned Publication: March 7, 2023

ISBN: 9783110772838

**Minicourses**

July 2014 - “Lower Ricci Curvature Bounds on Metric Measure spaces.” Xi’an Jiaotong University, Xi’an, China.
Invited Talks

- November 2022. University of Oregon Geometric Analysis Seminar
- July 2021. Universität Konstanz differential geometry seminar, delivered remotely
- November 2019. Fall Western Sectional Meeting, Riverside CA.
- October 2018. University of Oregon Geometric Analysis Seminar
- April 2018. Spring Western Sectional Meeting, Portland, OR.
- October 2017. University of Oregon Geometric Analysis Seminar
- June 2017. Dynamical Geometric Analysis in Orsay, Orsay, France.
- March 2016. TODA Seminar, The Ohio State University.
- February 2016. UBC Differential Geometry /Geometric Analysis seminar, Vancouver, BC.
- September 2015. PDE/Applied Math Seminar, Indiana University.


• October 2012. Modern Math Workshop, Seattle, WA.

• April 2012. Manifolds with Special Holonomy and their Calibrated Submanifolds and Connections. Banff International Research Station.

• July 2011. Workshop on Partial Differential Equations, Oberwolfach, Germany.

• November 2010. Workshop on Geometric Probability and Optimal Transportation, Fields Institute, Toronto.


• April 2010. Optimal transportation and applications, Banff International Research Station, Banff, Canada.

• March 2010. CUNY Differential Geometry Seminar.

• December 2009. PDE Seminar - Brown University.

• October 2009. Geometry/Topology Seminar - Stony Brook University.


• November 2008. Institute for Advanced Study.


• December 2007. Minimal submanifolds and related problems, Banff International Research Station, Banff, Canada


Referee Service

• American Journal of Mathematics

• Differential Geometry and Applications

• Journal of Differential Geometry

• Journal of Functional Analysis

• Advances in Mathematics

• Communications is Pure and Applied Analysis

• International Mathematics Research Notices

• Math Research Letters

• Mathematische Annalen

• Pacific Journal of Mathematics

• Proceedings of the American Mathematical Society

• Transactions of the American Mathematical Society
• Annales de l’Institut Henri Poincare / Analyse non lineaire

• Analysis and PDE

• Calculus of Variations and PDE

**Graduate Students**

• Arunima Bhattacharya. Graduates 2019. (Currently: Assistant Professor at UNC, Chapel Hill)

**Committee Service, Seminar Organization and other Service Activities**

• Advising Committee 2022-2023

• Postdoctoral Search Committee (chair) 2021-2022.

• Teaching Effective Committee 2020-2021, 2022-23

• Graduate Affairs Ph.D Committee, 2018-2019.

• Assessment Committee, 2018.

• Travel Committee, 2017-2018, 2018-2019 (chair).

• Postdoctoral Search Committee 2016-2017.

• Colloquium Committee, 2015-2016.


• Orals Exam Committee, Demetre Kazaras, Gavin Armstrong, Gabriel Montes de Oca.

• Organizer, University of Oregon Geometric Analysis seminar, Spring 2014-Sept 2019.

• University of Oregon Math Department Scholarships and Awards Committee, Spring 2014

• Graduate Admissions Committee, Princeton University, 2013.

• Graduate Admissions Committee, Princeton University, 2012.
• Undergraduate Placement Officer, Princeton University July 2011 -June 2013.


• Reviewer for Mathematical Reviews.

Teaching, University of Oregon

• Clark Honors College 441: Bitcoin: What could possibly go wrong?

• Math 320 Ordinary Diff. Eq.  Spring 2018

• Math 618 Real Analysis.  Spring 2022.

• Math 411/412 Functions of a Complex Variable.  Winter/Spring 2022


• Math 433 Differential Geometry: Spring 2017, Spring 2020

• Math 607 Mean Curvature Flow, Fall 2015.

• Math 607 Non-linear elliptic PDE, Spring 2014.

• Math 307 Intro to Proof, Winter 2014.

• Math 252 Calc II.  Winter 2014.  Fall 2020, Winter 2021


• Math 461 Statistics.  Fall 2017, Fall 2018.

• Math 420 Advanced ODE, Spring 2017.


• Math 422 Fourier Analysis, Winter 2018.  Winter 2019
Teaching, Princeton University

- Linear Algebra (MAT 204) Spring 2013 (Course Head)
- Linear Algebra (MAT 203), Fall 2012.
- Complex analysis, Spring 2012.
- Differential Equations, Fall 2011.
- Math 201, Multivariable Calculus, Spring 2011 (Course Head).
- Real Analysis, Fall 2010.
- Graduate course on optimal transportation, with Alice Chang. Spring 2010.
- Math 103, 202, 201, Instructor, University 2008 -2012

Teaching, University of Washington