CV for Micah Warren

Email: micahw@uoregon.edu  
October 6, 2023

Education

  Seattle, WA  
  Parkland, WA

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.

Grant Support

- NSF Grant DMS-0901644 Hessian and Special Lagrangian Equations, 2009-2012.
Preprints/In preparation


Accepted Papers


Published Papers


**Book**

*Bitcoin: A Game-theoretic analysis.* de Gruyter. 2023, (328 pages)

ISBN: 9783110772838
Minicourses

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

Invited Talks

- August 2023 Non-Linear Critical Point Theory in Analysis and Geometry, BIRS, Kelowna, B.C.,
- June 2023. PDE in Seoul 2023: Conference in honor of Professor Mikhail Safonov’s 70th birthday, Seoul, South Korea.
- 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.

• August 2015. Conference on Analysis and Geometry, Hefei, Anhui, China.


• 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.


Podcasts and Digital Events

• *How to attack Bitcoin (feat. Micah Warren)* - Episode 120 Crypto Critics Corner June 2023

• *Bitcoin: A game-theoretic analysis.* De Gruyter panel.  
  https://www.youtube.com/watch?v=wKr8jECz53U May 2023

Referee Service
- American Journal of Mathematics
- Differential Geometry and Applications
- Journal of Differential Geometry
- Journal of Functional Analysis
- Advances in Mathematics
- Communications in Pure and Applied Analysis
- Duke Mathematical Journal
- 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**

- University of Oregon Faculty Senate 2023-2025
- University of Oregon Library Committee 2023-2025
- UO Math Climate Committee 2023-2024
- UO Math Webwork Committee 2022-2023
- UO Math Advising Committee 2022-2023
- Postdoctoral Search Committee 2021-2022 (chair), (2023-2024)
- Teaching Effective Committee 2020-2021, 2022-23, 2023-34
- Graduate Affairs Ph.D Committee, 2018-2019.
- Assessment Committee, 2018.
- Postdoctoral Seach Committee 2016-2017.
- Colloquium Committee, 2015-2016.
- Orals Exam Committee, Demetre Kazaras, Gavin Armstrong, Gabriel Montes de Oca.
- 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

- Math 607 Topics course on Optimal Transport, Fall 2023
Math 251 Calculus I. Fall 2023
Math 415 Intro Analysis III. Spring 2023
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 252 Calc II. Winter 2014. Fall 2020, Winter 2021
Math 461 Statistics, Fall 2017, Fall 2018.

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


• Intro to Differential Equations. Instructor, Spring 2005, Summer 2006, Fall 2006.

• Linear Analysis (Math 554). Grading and Office Hours. 2007-2008.