Yueh-Ju Lin
Curriculum Vitae

Department of Mathematics, Statistics and Physics
Wichita State University

Personal Contact

Publications:

1. (with W. Yuan) *Deformations of Q-curvature II* | (Preprint)

2. (with J. Case, W. Yuan) *Some constructions of formally self-adjoint conformally covariant polydi erential operators* | submitted (2020). `https://arxiv.org/abs/2002.05874`

3. (with J. Case, W. Yuan) *Conformally variational Riemannian invariants* | Trans. Amer. Math. Soc. 371 (2019), no. 11, 8217-8254

4. (with W. Yuan) *A symmetric 2-tensor canonically associated to Q-curvature and its applications* | Paci c Journal of Mathematics 291-2 (2017), 425{438.

5. (with W. Yuan) *Deformations of Q-curvature I* | Calc. Var. Partial Di erential Equations 55 (2016), no. 4, Paper No. 101, 29 pp

6. (With M. Gursky, F. Hang) *Riemannian manifolds with positive Yamabe invariant and Paneitz operator* | Int. Math. Res. Not. IMRN 2016, no. 5, 1348-1367

7. *Connected sum construction of constant Q-curvature manifolds in higher dimensions*, Di erential Geom. Appl. 40 (2015), 290-320.

Invited Talks

1. CUNY Geometric Analysis Seminar, Virtual, October 15, 2020

2. Special Session on Special Session on Variational Aspects of Geometric Analysis, 2020 AMS Fall Eastern Virtual Sectional Meeting, October 3-4, 2020

3. (postponed) Conformal Geometry, Analysis, and Physics, University of Washington, June 2020

4. 2020 Taipei-Hsinchu Conference On Geometric Invariance And Partial Di erential Equations, Academia Sinica, Taipei and NTHU, Hsinchu, Taiwan, Jan. 4 - 9, 2020

5. Geometry and Physics Seminar, Penn State University, March 12, 2019

6. INDAM - Nonlinear PDEs in Geometry and Physics conference, Cortona, Italy, June 15, 2018

7. Princeton University Day, 2018 IAS Women and Mathematics program -Mathematics of Modern Cryptography, May 23, 2018

8. Analysis and PDE Seminar, Johns Hopkins University, April 16, 2018

9. Geometric Analysis Seminar, CUNY Graduate Center, April 12, 2018

10. Special Session on Recent Development of Nonlinear Geometric PDEs, 2018 AMS Spring Central Sectional Meeting, Ohio State University, March 18, 2018

11. 2017 Midwest Geometry Conference, Kansas State University, November 18, 2017

12. Di erential Geometry and Geometric Analysis seminar, Princeton University, October 11, 2017

13. NTU Mathematics Colloquium, National Taiwan University, Taiwan, February 20, 2017

14. Geometry Seminar, The University of Michigan, September 16, 2016

15. Differential Geometry/PDE seminar, University of Washington, May 25, 2016

16. Differential Geometry Seminar, University of California Irvine, April 26, 2016

17. Geometry and Analysis Seminar, University of California Santa Cruz, March 9, 2016

Teaching Experience

Wichita State University

Math 829T, Di erentiable Manifolds	Spring 21
Math 720, Modern Geometry	Spring 20
Math 621, Elementary Geometry	Fall 19, Fall 20
Math 511, Linear Algebra	Spring 19, Fall 19, Spring 20, Fall 20, Spring 21
Math 555, Di erential Equations I	Fall 18, Spring 19

Princeton University

- Committees Works at Wichita State University

  - { MS Thesis Committee - Austin Bosgraaf (Mathematics, 2020)
  - { Member, Department of Mathematics and Statistics graduate enrollment management committee (2019)
  - { Member, Department of Mathematics and Statistics website committee (2019 - present)

Main Conference/Programs Attended

1. 2020 Taipei-Hsinchu Conference On Geometric Invariance And Partial Di erential Equations, Academia Sinica, Taipei and NTHU, Hsinchu, Taiwan, Jan. 4 - 9, 2020,

2. Midwest Geometry Conference 2019, Iowa State University, September 6-8, 2019

Equations,ersit2. Wo4en ConferenceFtemAnl,ersity, 8(nce)-7(ofersit)Maryl Sprilce5-7J 0 -22.914 Td [(3.

37. Higher Order Equations in Geometry and Physics, SISSA { International School for Advanced Studies, Trieste, Italy, May 30 - June 2, 2011

38. 2011 Joint Mathematics Meetings, New Orleans Marriott and Sheraton New Orleans, January 6-9, 2011

39. AMS Sectional Meeting - Fall 2010, University of Notre Dame, November 5-7, 2010

40. Interactions Between Geometry and Analysis, University of Notre Dame, October 21-24, 2010

41. PRIMA Conference on Geometric Analysis, University of British Columbia, Canada, July 20-30, 2010

42. NCTS/TPE-TIMS Mini-Course and Workshop on Geometric and Complex Analysis, National Taiwan University, Taiwan, June 21-July 2, 2010

43. Eighth Annual Graduate Student Topology and Geometry Conference, University of Michigan in Ann Arbor, April 10-11, 2010

44. 2009 Workshop on Complex Geometry, Academia Sinica, Taiwan, August 3-4, 2009

45. 2009 Program for Women and Mathematics (Geometric PDE), Institute of Advanced Study, June 8-19, 2009

46. The 4th Symposium on Analysis & PDEs, On the occasion of the 55th birthday of Nicola Garofalo, Purdue University, May 26-29, 2009.

47. Seventh Annual Graduate Student Topology and Geometry Conference, University of Wisconsin in Madison, April 18-19, 2009