

CURRICULUM VITAE

Mu-Tao Wang

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Mailing Address

Department of Mathematics
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Research Interests: Differential Geometry (53), Discrete Groups (22), Partial Differential Equations (35), and General Relativity (83).

Education

- Ph. D. in Mathematics, 1998, Harvard University, Cambridge, MA, U.S.A. Thesis advisor Professor Shing-Tung Yau, “ *Generalized harmonic maps and representations of discrete groups*”.
- M.S. in Mathematics, 1992, National Taiwan University, Taiwan.
- B.S. in Mathematics, 1988, National Taiwan University, Taiwan.

Employment

- 2009-present: Professor, Department of Mathematics, Columbia University.
- 2004-2009: Associate Professor, Department of Mathematics, Columbia University.
- 2001-2004: Assistant Professor, Department of Mathematics, Columbia University.
- 1998-2001: Szëgo Assistant Professor, Department of Mathematics, Stanford University.

Awards and Grants

- Chern Prize, International Congress of Chinese Mathematicians, 2007.
- Kavli Fellow, National Academy of Sciences, 2007.

- Sloan Research Fellow, Alfred P. Sloan Foundation, 2003-2005.
- Harold M. Bacon Memorial Teaching Award, Stanford University, 2000.
- National Science Foundation Grant, 2001-present.

Selected Invited Talks in the Past Five Years

- International Conference of Mathematics, Taipei, Taiwan. Jul. 2009
- Workshop on Ricci flow, Pisa, Italy, Jun. 2009
- Workshop in string theory, general relativity and PDE's, Cambridge, MA, May/Jun., 2009
- Conference on geometry, Warsaw, Poland, Mar. 2009
- Pacific Rim geometry conference, Taipei, Taiwan, Dec. 2008
- Nonlinear evolution equations, Oberwolfach, Germany, Jun. 2008
- Workshop on geometric evolution equations, CRM Montreal, Apr. 2008
- Invited speaker at the fourth International Congress of Chinese Mathematicians, Dec. 2007
- Invited address at AMS meeting, New Brunswick, NJ, Oct. 2007
- Hong Kong Geometry Colloquium, CUHK, Hong Kong, Feb. 2007
- Geometry of singularities, Sendai, Japan, Jan. 2007
- Midwest Geometry Conference, University of Oklahoma, May, 2006.
- New Perspectives in Geometric Analysis Conference, University of Toledo, May. 2006.
- Workshop on Geometric Flows, Harvard University, Mar. 2006.
- Southern California Geometric Analysis Seminar, UCI, Feb. 2006.
- Distinguished Lecture Series, Tsing-Hua University, Taiwan, Jan. 2006.
- Geometry and PDE: A conference in honor of Leon Simons 60th birthday, Stanford University, Sep. 2005.

- Workshop on Quasi-local Mass, Chinese Academy of Sciences, China, July, 2005.
- International Conference in Geometry and Analysis, Zhejiang University, China, Jun. 2005.
- Workshop on Mean Curvature Flow and related topics, MPI Leipzig, Germany, Mar. 2005.
- AMS National Meeting, Atlanta, Jan. 2005.
- Third International Congress of Chinese Mathematicians, Hong Kong, Dec. 2004.
- Pacific Northwest Geometry Seminar, University of Oregon, Nov. 2004.
- Seminar and Colloquium talks: Harvard (Mar. 2008), U.C. Irvine (Apr. 2007) Stanford (Jan. 2008, Apr. 2009), Courant Institute, NYU (Mar. 2008) Princeton (Apr. 2008), Brown (Mar. 2008), U.C. San Diego (Apr. 2007). UQAM, Montreal, Canada (Apr. 2007), Max Planck Institute for Gravitational Physics, Germany (June 2008), University of Toledo (Oct. 2008), Stony Brook (Nov. 2008), Cornell (Mar. 2009)

Service to University and Department

- Committee on science instruction, Columbia College, 2006-2007.
- Chair of short-term visitor committee, 2006-present.
- Graduate admission committee, 2005-present.
- Co-chair of department colloquium committee, 2004-present.
- Co-organizer of geometry and analysis seminar, 2002-present.

Service to Profession

Conference and Workshop organized

- Special session on “Nonlinear PDE’s in Differential Geometry”, AMS meeting, Courant Institute, April 12-13, 2003.
- Workshop on conformal invariants-geometric and analytic aspects, NCTS, June 6-14, 2005.

- 2007 International Conference on geometric analysis, TIMS, June 18-22, 2007
- The 9th Pacific Rim Geometry conference, December 10-16, 2008.

Referee articles for Journal für die reine und angewandte Mathematik, Annales de l'ENS, Journal of AMS, Journal of Differential Geometry, Communications in PDE, Communication in Analysis and Geometry, Mathematical Research Letter, Manuscripta Mathematica, Duke Math Journal, Advance in Mathematics, Geometriae Dedicata, Transactions of AMS, Proceedings of AMS.