Yuan-Jen Chiang

Professor of Mathematics at University of Mary Washington

Fredericksburg, VA, US

Dr. Chiang is an expert in harmonic maps and analysis.

Biography

Yuan-Jen Chiang specializes in global analysis and analysis on manifolds, geometry, differential equations, topology and mathematical physics. She was a recipient of a Waple Professorship in 2016-2018. She published the research book "Developments of Harmonic Maps, Wave Maps and Yang-Mills Fields into Biharmonic Maps, Biwave Maps and Bi-Yang-Mills Fields" in the series of Frontiers in Mathematics, by Birkhauser-Springer in Europe in 2013. Her research has been published in over 40 articles in peer-reviewed journals, including, including the International Journal of Mathematics, the Journal of Geometry and Physics, the Annals of Global Analysis and Geometry, the International Journal of Mathematics and Mathematical Sciences, Proceedings of American Mathematical Society, Bulletin of Math Institute, Academia Sinica, Notices of American Mathematical Society, and Journal of Geometry. She has presented at international meetings or universities in Brazil, USA, Chile, China, France, Spain, Italy, India, Poland, Greece, Bulgaria, Taiwan, and Vietnam. Since 1991, Dr. Chiang has been a reviewer of Mathematical Review, published monthly by the American Mathematical Society, and has written reviews for more than 120 scholarly papers on differential geometry and global analysis. Her awards include 18 UMW Research Grants, two Natural Science Foundation Grants in China, and three Jepson grants for excellence in teaching.

Industry Expertise

Education/Learning, Research

Areas of Expertise

Harmonic Maps, Differential Geometry , Global Analysis and Analysis on Manifolds, Differential Equations, Topology and Mathematical Physics

---

Affiliations

International Mathematics Union, American Mathematical Society, Mathematical Association of America., Johns Hopkins Alumni Association

---

Education

Johns Hopkins University

Ph.D. Mathematics & Harmonic Maps

Johns Hopkins University
M.A. Mathematics

National Taiwan Normal University (Taipei, Taiwan)
B.S. Mathematics

[Please click here to view the full profile.](#)

This profile was created by [Expertfile.](#)