



Mei-Heng Yueh

Curriculum Vitae

Education

- 2013–present **PhD Candidate of Applied Mathematics**, *National Chiao Tung University*, Taiwan.
2011–2013 **Masters of Applied Mathematics**, *National Chiao Tung University*, Taiwan, GPA – 4.0.
Academic Performance Excellent Award (1st place)
2007–2011 **Bachelor of Mathematics**, *National Taiwan Normal University*, Taiwan, GPA – 3.8.
Academic Performance Excellent Award (1st place)

Research Activities

- Jul 27–Aug 7, 2016 **Visitor**, *Yau Mathematical Sciences Center, Tsinghua University*, China.
Jan 8–12, 2016 **Invited Speaker**, *East Asian Core Doctoral Forum on Mathematics, Fudan University*, China.
Feb 4–Oct 31, 2015 **Fellow**, *Center of Mathematical Sciences and Applications, Harvard University*, USA.
Sep 3–Nov 30, 2014 **Visitor**, *Department of Mathematics, Harvard University*, USA.
Jun 1, 2013 **Invited Speaker**, *Conference on Computational Mathematics and Annual Meeting of TWSIAM*, Providence University, Taichung, Taiwan.
Feb 27, 2013 **Invited Speaker**, *The 4th Japan-Taiwan Joint Workshop for Young Scholars in Applied Mathematics*, Ryukoku University, Kyoto, Japan.
Jan 8, 2013 **Invited Speaker**, *Third Conference of Tsinghua Sanya International Mathematics Forum*, Sanya City, China.

Research Interests

- Matrix Theory and Computations
- Optimizations
- Laplacian of Graphs
- Numerical Analysis
- Computational Geometry
- Nonlinear Filtering

Programming skills

MATLAB, HTML, \LaTeX , C, VISUAL BASIC

Languages

Chinese **Mothertongue**

English **Fluent**

Publications

- 2016 M.-H. Yueh, W.-W. Lin, C.-T. Wu, and S.-T. Yau, An efficient energy minimization for conformal parameterizations, iccm.archive:1608.09013, 2016.
- 2015 A. Huang, S.-T. Yau, M.-H. Yueh, Graph invariants from ideas in physics and number theory, arXiv:1409.5853 [math.CO].
- 2015 M.-H. Yueh, X. D. Gu, W.-W. Lin, C.-T. Wu and S.-T. Yau, Conformal surface morphing with applications on facial expressions, arXiv:1504.00097 [cs.GR].
- 2014 M.-H. Yueh, W.-W. Lin and S.-T. Yau, An efficient algorithm of Yau-Yau method for solving nonlinear filtering problems, Commun. Inf. Syst. 14(2), pp. 111-134, 2014.
- 2014 M.-H. Yueh, W.-W. Lin and S.-T. Yau, An efficient numerical method for solving high-dimensional nonlinear filtering problems, Commun. Inf. Syst. 14(4), pp. 243-262, 2014.