

## Hui Li

---

CONTACT INFORMATION 127 Vincent Hall, 206 Church St. SE      *Tel:* (612) 624-7890 (o)  
Minneapolis, MN 55414      (651) 366-2419 (c)  
Homepage: [www.math.umn.edu/~lixxx609](http://www.math.umn.edu/~lixxx609)      *E-mail:* [hui.li@math.umn.edu](mailto:hui.li@math.umn.edu)

RESEARCH INTERESTS Nonlinear Elasticity, Calculus of Variations, Mathematical Analysis

EDUCATION      **University of Minnesota**, Minneapolis, Minnesota USA  
Ph.D. in Mathematics, May 2012 (expected), advised by Professor Marta Lewicka.  
Thesis: Topics in the Mathematical Theory of Nonlinear Elasticity  
M.S. in Mathematics, April 2010, advised by Professor Marta Lewicka.  
Thesis: The von Kármán Theory for Elastic Shells with Variable Thickness  
**Harbin Institute of Technology**, Harbin, Heilongjiang China  
B.S. in Mathematics, July 2006, advised by Professor Fengchun Lei.  
Thesis: The Four Color Map Theorem

PUBLICATIONS      ▷ (With Milena Chermisi) *The von Kármán theory for incompressible elastic shells*, submitted.  
▷ *A short note on the derivation of the elastic von Kármán shell theory*, accepted in “Acta Mathematicae Applicatae Sinica”.  
▷ *A study of the Kirchhoff theory of elastic pre-strained shells*, submitted.  
▷ *On the von Karman reduced theory for thin incompressible plates with incompatible strains*, in progress.  
▷ *Justification of growth model from discrete energies*, in progress.

CONFERENCES      ▷ Invited talk. PDE seminar, University of Nebraska, Lincoln. January 10, 2012.  
▷ Poster presentation, AWM workshop. Boston, MA. January 7, 2012.  
▷ Minisymposium talk, SIAM conference on analysis of partial differential equations. San Diego, CA. November 14, 2011.  
▷ Poster presentation, AMS Central Section Meeting. Lincoln, NE. October 14, 2011.  
▷ Presentation. Junior Colloquium. University of Minnesota. October 31, 2011.  
▷ Invited talk, Hot Topics Workshop on Strain Induced Shape Formation: Analysis, Geometry and Materials Science. Institute for Mathematics and its Applications (IMA). Minneapolis, MN. May 20, 2011.  
▷ Attended. The Fourteenth Rivière-Fabes Symposium on Analysis and PDE. Minneapolis, MN. April 2011.  
▷ Presentation. Ph.D Graduate Student Seminar. Rutgers University. October 22, 2010.  
▷ Presentation. Junior Colloquium. University of Minnesota. May 8, 2010.  
▷ Attended. Workshop on Energy Driven Systems. Center for Nonlinear Analysis. Pittsburgh, PA. August 2009.  
▷ Attended. Summer Program on Nonlinear Conservation Laws and Applications. Institute for Mathematics and its Applications. July 2009.

TEACHING EXPERIENCE      ▷ Instructor: Calculus II  
▷ Teaching Assistant: Sequences, Series and Foundations, Multi-variable Calculus and Vector Analysis, Calculus I, IT Calculus II, College Algebra

COMMUNITY SERVICES      ▷ *Psychological Society, Harbin Institute of Technology.*  
-Member, September 2002 - July 2006

- ▷ *Friendship Association of Chinese Students and Scholars, University of Minnesota.*
  - President, May 2009 - April 2010. - Vice President, May 2008 - April 2009.
  - Secretary, June 2007 - April 2008.
- ▷ *Tai Chi Club, University of Minnesota.*
  - Vice President, July 2009 - Present. - President, July 2008 - May 2009.

**VOLUNTEER WORK**

- ▷ Astronomy Club, New Jersey 4-H Youth Development Organization.
- ▷ Confucius Institute, University of Minnesota.
- ▷ Feed my starving children, Minnesota.
- ▷ Concordia Language Villages, Minnesota.
- ▷ Love Without Boundaries Foundation for Children in China.
- ▷ Minnesota Public Radio.
- ▷ Environment Minnesota.
- ▷ The Wildlife Rehabilitation Center of Minnesota.

**AWARDS**

2002-2006      Excellent Student Scholarship, Department of Mathematics  
 Harbin Institute of Technology

**COMPUTER**

Languages: C, C++, Matlab  
 Applications: T<sub>E</sub>X, word, spreadsheet

**MEMBERSHIP**

American Mathematical Society (AMS), since 2006  
 Society for Industrial and Applied Mathematics (SIAM), since 2010