Shi Jin (□□ □)

At Cam River, University of Cambridge, United Kingdom, May 2003

Professor
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Brief CV

- B.S. in Computational Math, Peking University 北京大学
- Ph.D. in Applied Math, University of Arizona. Advisor: C. David Levermore .
- Postdoc., Courant Institute , New York University. Supervisor: George C. Papanicolaou .

- Assistant Professor, 1993-1998, Georgia Institute of Technology

- Associate Professor, 1998-2000, Georgia Institute of Technology
- Professor, 2000--, University of Wisconsin-Madison

- *Visiting Positions*

- Sigma Xi Young Faculty Award, Georgia Tech, 1997
- Feng Kang Prize for Scientific Computing, Chinese Academy of Sciences, 2001
- Changjiang Professor, 2001--, Tsinghua University, China
- Distinguished Overseas Young Researcher Award (Class B) , National Science Foundation of China, 2003-2005.

- **Chief Editor of Communications in Mathematical Sciences,** NEW 2002--
- Editorial boards of
    - SIAM J. Scientific Computing, 2001--
    - Electronic Journal of Mathematical and Physical Sciences, 2002--
    - Chinese Journal of Computational Physics, 2002--
    - Numerical Methematics: A Journal of Chinese Universities, 2003--

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Teaching

- **Spring 2004:**
    - Math/CS 713 , Methods of Scientific Computing II

- **Previous Semesters**

- **Ph.D Students:**
    - Xiantao Li, UW-Madison, Ph.D. 2002.
      First position after Ph.D: Postdoc at *Program in Applied and Computational Mathematics, Princeton University*
    - Xuelei Wang, Georgia Tech, Ph.D. 2002.
      Current position: Software Engineer at *Verizon*
    - Xiaomei Liao, UW-Madison, current
    - Liming Lin, UW-Madison, current
    - Kyle Novak, UW-Madison, current
    - Longqing Wu, UW-Madison, current

Research

I am interested in the general area of numerical computation and applied analysis of physical problems.

I have conducted research in numerical and applied analysis of hyperbolic conservation laws, kinetic theory, Hamilton-Jacobi equations and front propagations, computational fluid dynamics and wave propagations in random media.

- Publications
  - listed by subjects
  - listed by years of publication
  - listed in AMS MathSciNet

- Applied Math/PDE Seminars and Colloquia at UW-Madison

- MathSciNet
- Science Citation Index

- Conservation Laws Preprints Center
- The HYKE Network: Hyperbolic and Kinetic Equations
- Other researchers' home page

Conferences (to attend)

- Workshop on Multi-Scale Phenomena in Soft-Matter, Nano-Materials , SAMSI, North Carolina, February 15-17, 2004
- 3rd Annual Intermountain/Southwest Conference on Industrial and Interdisciplinary Mathematics, Arizona State University, Feb 27-28, 2004.
- Workshop on Hyperbolic Conservation Laws, Oberwolfach, Germany, April 4-10, 2004.
- **International Conference on Mechanics and PDEs, -- on the occasion of Prof. Marshall Slemrod's 60th birthday** , Madison, WI, April 30-May 2, 2004.
- International Conference on Nonlinear Evolutional PDEs, Zhenjiang, Jiangsu, China, May 16-20, 2004.
- SIAM Conference on Mathematical Aspects of Material Science Los Angeles, CA, May 23-26, 2004.
- International Workshop on Nonlinear Waves - On the occasion of George Papanicolaou's 60th Birthday, The Chinese University of Hong Kong, Hong Kong, June 1-4, 2004
- **International Conference on Wave Propagations - On the occasion of George Papanicolaou's 60th Birthday,** Tsinghua University, Beijing, China, June 7-10, 2004
- **Frontiers in Applied Mathematics,** Morningside Center of Mathematics, Chinese Academy of Science, Beijing, China, June 14-17, 2004.

- International Conference on Numerical and Applied PDEs, Jilin University, Changchun, China, June 23-28, 2004.
- Focused Research Group on Kinetic models for multiscale problems, The Banff International Research Station, Alberta, Canada, Aug 21-Sept 4, 2004.
- The Sixth International Workshop on Mathematical Aspects of Fluid and Plasma Dynamics, Kyoto University, Kyoto, Japan, Sept 19-23, 2004.
- IMA Thematic Year on Mathematics of Materials and Macromolecules, IMA, University of Minnesota, Sept 1, 2004-June 30, 2005.
- AMS Sectional Meeting, Evanston, IL, Oct 23-24, 2004.
- The Third International Congress of Chinese Mathematicians, Hong Kong, Dec 17-22, 2004.

- Previous invited lectures

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