Curriculum Vitae

Name: LIN PING [*Scanned Photograph*]

Present Appointment: Professor

Research Areas: Numerical Analysis and Scientific Computing; Computational Solid/Fluid Mechanics and Physical Science; Atomistic/continuum and Multi-scale Model Analysis;

Academic/Professional Qualifications:
- BSc (1984); MSc (1987), Nanjing University, Nanjing, China
- PhD (1995), University of British Columbia, Vancouver, Canada

Awards/Honours:
- SIAM Student Paper Prize, Society of Industrial and Applied Mathematics, 1994.
- Postdoc Award, National Science and Engineering Research Council, Canada, 1996.
- French short term collaboration fellowship, France, 2000.
- Hitachi short term research fellowship, Japan, 2003.

Career History:
- Postdoc Fellow (1996-98), Department of Computer Science and Division of Mechanics and Computation, Stanford University, USA
- Research Associate (1998), Department of Computer Science, Rensselaer Polytechnic Institute, USA
- Assistant/Associate Prof (1999-08), Department of Mathematics, NUS, Singapore

Professional/Consulting Activities:
- Consultant, the Stanford SCCM Advice for all members of the Stanford community and selected companies in the San Francisco Bay Area, USA.
- Faculty Associate, Institute of High Performance Computing, Singapore, 2001-2004.
- Member of scientific and/or organizing committees of a number of international conferences/workshops

Relevant Publications (Maximum of 6):

- P Lin (1997), A sequential regularization method for time-dependent incompressible Navier-Stokes equations, SIAM J. Numer. Anal. 34(3), 1051-1071.
- U Ascher and P Lin (2000), Sequential regularization methods for simulating mechanical systems with many closed loops, SIAM J. Sci. Comput. 21, 1244-1262.
- P Lin (2003), Theoretical and numerical analysis for the quasi-continuum approximation of a material particle model, Math of Computation 72, 657-675.
- HY Duan, P Lin, P Saikrishnan and RCE Tan (2006), L2-projected least-squares finite element methods for the Stokes equations, SIAM J. Numer. Anal. 44 (2), 732-752.
- P Lin (2007), Convergence analysis of a quasicontinuum approximation for a 2D material, SIAM J. Numer. Anal. 45 (1), 313-332.
- P Lin, C Liu and H Zhang (2007), An energy law preserving C0 finite element scheme for simulating the kinematic effects in liquid crystal flow dynamics, J. Comp. Phys. 227 (2), 1411-1427.