

An H. Le
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- Citizenship** Vietnamese citizen. Born 19 October 1978, Hue, Vietnam.
- Education** University of Utah, Salt Lake City, UT, USA
Ph.D in Mathematics, August 2005.
Thesis Advisor: Klaus Schmitt.
- University of Utah, Salt Lake City, UT, USA
M.S. in Mathematics, May 2003.
- School of Natural Sciences, HCM National University, Vietnam
B.S. in Mathematics, September 2000.
- Honors & Fellowships** Spring 2006: Visiting Assistant Professor, Utah State University.
Fall 2005: Postdoctoral Scholar, MRSI, Berkeley, CA.
2003-2005: Teaching Fellowship, University of Utah.
2001-2003: Teaching Assistantship, University of Utah.
2001: Teaching Assistant, University of New York at Buffalo.
2000: Graduated with honor B.S. degree in Mathematics.
1998: Distinguished Student Award, HCM National University, Vietnam.
1996-2000: Full Scholarship (including tuition fee, stipend), HCM National University, Vietnam.
- Research Interests** Partial Differential Equations, Nonlinear Analysis, Variational Methods.
Also interested in Probability theory, Stochastic Differential Equations (and its connections to PDEs).
- Publications** • with Klaus Schmitt, *Variational eigenvalues of degenerate eigenvalue problems for the weighted p -Laplacian*, Advanced Nonlinear Studies 5 (2005), 553-565.
• *Eigenvalue problems for the p -Laplacian*, to appear in Nonlinear Analysis Series A: TMA.
• *Nonlinear Eigenvalue Problems*, Thesis Dissertation, Univeristy of Utah 2005.
• with Pham Xuan Du, Duong Minh Duc and Phan Van Tuoc, *Lagrange multipliers for functions derivable along directions in a linear subspace*, Proc. Amer. Math. Soc. 133 (2005), 595-604.
• with Vy Le and Klaus Schmitt, *Lagrange Multiplier Rule for Nonlinear Inequalities*, Vietnam Journal of Mathematics 32 (2004), 49-53.

Talks & Conferences

- MSRI, postdoctoral seminar. Various talks on nonlinear elliptic PDEs.
- CNA conference on Frontiers of Applied Analysis, Carnegie Mellon University, September 8-10, 2005.
Contributed talk, “Eigenvalue problems for the p-Laplacian”.
- Summer minicourse on Nonconvex Variational Problems and Applications, University of Utah, May 16-27, 2005.
- Sixth Mississippi State - UAB Conference on Differential Equations and Computational Simulations, May 13-14, 2005.
Contributed talk, “Nonlinear Eigenvalue Problems”.
- University of Utah: PDE Seminar, Applied Math Seminar, Graduate Student Colloquium. Various talks on variational inequalities, continuation methods and nonlinear eigenvalue problems.
- AMS National Meeting, Atlanta, January 2005
Special Session on Analysis and Applications in Nonlinear PDEs,
Talk title, “Nonlinear Eigenvalue Problems”.
- 2004 CNA Summer School, Carnegie Mellon University, May 27 - June 5.
- 52nd Midwest PDE Conference, Univ of Minnesota, November 14-16 2003.
- First International Conference on Nonlinear Analysis and Mechanics of Continuous Media, Hochiminh City, Vietnam, January 7-10, 2003.
Invited talk, “Lagrange Multiplier Rule for Nonlinear Inequalities”.
- VIGRE Minicourses on Variational Methods and Nonlinear Partial Differential Equations, University of Utah, May 28 - June 7, 2002.

Teaching Experience

2001-2002: Calculus 1 (TA), Calculus 2 (TA).
2002-2003: Intro to Quantitative Reasoning, Calculus 1 (TA).
Summer 2003: Calculus 1.
2003-2004: Online Calculus 1,2,3.
Summer 2004: Linear Algebra and Differential Equations.
2004-2005: Linear Algebra and Differential Equations, Calculus 1.
Summer 2005: Linear Algebra and Differential Equations.

Other Activities

Graduate Student Advisory Committee.
Qualifying Exam Mentor on Differential Equations.