Curriculum Vitae

Name: Linh Vinh Tran
Date of birth: 10/14/1981

Contact information: Fulbright University Vietnam, Ho Chi Minh City, Vietnam

Email: linh.tran@fulbright.edu.vn

Telephone: (+84)-327-438-772

Degree: Ph.D. in Mathematics, Rutgers University, 2011

Thesis Advisor: Professor Van Ha Vu

Education
- January 2006-January 2011: Ph.D. Program, Mathematics Department, Rutgers University
- September 2004-December 2005: Ph.D. Program, Mathematics Department, University of California, San Diego
- September 1999- June 2003: B. S. in Mathematics, College of Science, Vietnam National University Hanoi. Graduated with highest distinction.

Employment
- August 2020 – Present: Undergraduate Faculty member in Mathematics, Fulbright University Vietnam
- July 2017 – July 2020: Vice chair, Department of Mathematics, International University, Vietnam National University Ho Chi Minh City
- July 2016 – June 2017: Gibbs Assistant Professor, Mathematics Department, Yale University.
- September 2014 – June 2016: Lecturer, Department of Mathematics, International University, Vietnam National University Ho Chi Minh City
- September 2011-2014: Acting Assistant Professor, Mathematics Department, University of Washington.
- January 2004-2014: Adjunct Researcher, Institute of Mathematics, Vietnam Academy of Science and Technology
- January 2006-January 2011: Research Assistant and Teaching Assistant, Mathematics Department, Rutgers University.

- September 2004-December 2005: Research and Teaching Assistant, Mathematics Department, University of California, San Diego.
- August 2003-September 2004: Researcher, Institute of Mathematics, Vietnam Academy of Science and Technology.
- June-September 2001: Practical researcher, Interdisciplinary Center for Scientific computing, University of Heidelberg (Heidelberg, Germany)

Teaching experiences
- Probability/Statistics/Random Process for Financial Math series
- Calculus I, II, III for Science/non-science majors, Advanced Calculus
- Discrete Mathematics
- Linear analysis series (Introduction to Differential equations, Linear Algebra, Linear Analysis)
- Introduction to Data Analysis (statistics with Python)

Research interest: Spectral properties of random matrix
Random graph/hypergraph theory and application
Additive number theory

Publications (more than 180 citations)

1. *Local law for eigenvalues of random regular bipartite graphs*, Bulletin of the Malaysian Mathematical Sciences Society, Vol 43, Issue 2, 1517-1526, 2020.
2. (with Brito, Dumitriu, Ganguly, Hoffman) *Recovery and Rigidity in a Regular Stochastic Block Model,* Proceedings of the Twenty-Seventh Annual ACM-SIAM Symposium on Discrete Algorithms (SODA), 2016
3. *Local law for eigenvalues of random Hermitian matrices with external source*, arxiv:1310.4611, 2016.
4. (with V. Vu and K. Wang) *Sparse random graphs: Eigenvalues and eigenvectors*, Random Structures and Algorithms, Vol. 42, Issue 1, 110-134, 2013.
5. *Piercing random boxes*, Random Structures and Algorithms, Vol. 38, Issue 3, page 365-380, 2011.
6. (with V. Vu) *Random Matrices I: Combinatorial problems*, ACTA Mathematica Vietnamica, Vol. 35, No. 3, 2010.
7. (with V. Vu and P. Matchett Wood) *On a conjecture of Alon*, Journal of Number Theory, Vol. 129, Issue 11, 2009, p. 2801-2807.

Talks
- Vietnam National Conference in Probability and Statistics, Can Tho University, November 2020
- Deep learning seminar – Vin group Big data institute, July 2019
- First AMS-VMS joint mathematical meeting, June 2019

- VIASM seminar, VIASM Hanoi, July 2016
- First NTU-VIASM workshop on Discrete Mathematics, VIASM Hanoi, December 2014
- Advances in Random matrix theory conference, Institute for Mathematics and its Applications, Minnesota, June 2012
- Combinatorics Seminar, University of Washington, October 2011
- Random matrices Workshop, American Institute of Mathematics, December 2010
- Discrete Mathematics Seminar, Rutgers University, November 2009
- WaterMelon Workshop on Extremal Graph Theory, University of Waterloo, May 2009
- Invited talk at Discrete Mathematics Seminar, University of Delaware, February 2009
- CRM-Clay School on Additive Combinatorics, Montreal, March 30 – April 5, 2006
- Vietnam National Congress of Mathematics, Vietnam, 2002 and 2008