

Curriculum Vitae of Zhicong Lin

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Personal information

- Place of birth : Xiamen, China
- Citizenship : Chinese
- Language : Chinese (Mandarin and Min Nan), English, French

Education

- **Ph.D.** in Mathematics, Université Claude Bernard Lyon 1, Oct. 2010–Apr. 2014
Advisor : Jiang Zeng, Dissertation : Eulerian Calculus arising from Permutation Statistics
- Student of Beijing International Center for Mathematical Research (BICMR), Peking University, Sept. 2009–Feb. 2010
- **M.S.** in Mathematics, Lanzhou University, Sept. 2008–Oct. 2010
- **B.S.** in Mathematics, Lanzhou University, Sept. 2004–Jul. 2008

Research interests

Combinatorics and Graph Theory, especially Enumerative and Algebraic Combinatorics. I am particularly interested in Permutation Statistics and Poset Topology, Graph Homomorphisms and Markov Chains.

Talks and Conferences

- Séminaire de Combinatoire et Théorie des Nombres, Institut Camille Jordan, October 12, 2010–Present (every tuesday)
- Combinatoire Algébrique, Université de Rouen, Rouen, France, June 23–24, 2011
- 13th Journées Graphes et Algorithmes, Lyon, France, November 16–18, 2011
Talk : *Graph homomorphisms between trees*
- Journées PhysComb, Institut Camille Jordan, Lyon, France, December 7–9, 2011
Talk : *Jacobi–Stirling polynomials and P -partitions*
- Journées de Combinatoire Algébrique, Calais, France, June 14–15, 2012
Talk : *Bijective proofs of some symmetrical Eulerian sums*

- Summer School on Algebraic and Enumerative Combinatorics, S. Miguel de Seide, Portugal, July 2–13, 2012
Poster : *Jacobi–Stirling polynomials and P -partitions*
- Séminaire tournant de théorie des nombres, Université de Saint-Etienne, Saint-Etienne, France, October 10, 2012
- The 25th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC), Paris, France, June 24–28, 2013
Poster : *On some generalized q -Eulerian polynomials*
- Permutation patterns 2013, Paris, France, July 1-5, 2013
- Séminaire tournant de théorie des nombres, Institut Camille Jordan, Lyon, France, October 1, 2013
Talk : *Graph homomorphisms between trees*
- East China Normal University, Shanghai, China, November 5, 2013
Talk : *On some colored Eulerian quasisymmetric functions*
- Xiamen University, Xiamen, China, December 13, 2013
Talk : *Graph homomorphisms between trees*
- 72nd Séminaire Lotharingien de Combinatoire (SLC72), Institut Camille Jordan, Lyon, France, March 23–26, 2014

Visiting experience

Alfréd Rényi Institute of Mathematics, invited by Péter Csikvári, Budapest, Hungary, November 13–20, 2012

Professional activities

- Reviewer of Mathematical Reviews, American Mathematical Society
- Referee for European Journal of Combinatorics

Publications and preprints ([arXiv](#))

- On the number of congruence classes of paths (with Jiang Zeng), *Discrete Math.*, **312** (2012), 1300–1307.
- A symmetrical q -Eulerian identity (with Guo-niu Han and Jiang Zeng), *Sém. Lothar. Combin.*, **B67c** (2012), 11 pp.
- Jacobi–Stirling polynomials and P -partitions (with Ira M. Gessel and Jiang Zeng), *European J. Combin.*, **33** (2012), 1987–2000.
- On some generalized q -Eulerian polynomials, *Electron. J. Combin.*, **20(1)** (2013), #P55.

- Positivity properties of Jacobi–Stirling numbers and generalized Ramanujan polynomials (with Jiang Zeng), *Adv. in Appl. Math.*, **53** (2014), 12–27.
- Graph homomorphisms between trees (with Péter Csikvári), submitted, 2013.
- On the descent polynomial of signed multipermutations, submitted, 2013.
- On some colored Eulerian quasisymmetric functions, preprint, 2013.
- A statistic on semilabeled trees (with Masao Ishikawa), in preparation.