

# SHORT CURRICULUM VITAE OF DAVID GALVIN, JUNE 14, 2025

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## EDUCATION AND EMPLOYMENT

- B.A. (1995) and Part III of Mathematical Tripos (1996), Peterhouse, Cambridge
- Ph.D. (2002, with Jeff Kahn) from Rutgers
- Postdocs (2002-2007) at Microsoft Research (Redmond), I.A.S. and University of Pennsylvania
- Joined Department of Mathematics at Notre Dame in 2007, tenured in 2013, promoted to full Professor in 2020, department chair since 2022
- Visiting positions at U. Washington (2023), Isaac Newton Institute (2008), UIUC (2011)

## RESEARCH

- Discrete probability, combinatorics and graph theory; in particular, extremal enumerative problems, set partitions, and the applications of combinatorial and probabilistic ideas to the study of phase transitions in statistical physics models and long-range correlations in discrete random structures
- 43 papers in *SIAM Journal of Discrete Mathematics*, *Australasian Journal of Combinatorics*, *Combinatorics*, *Probability and Computing*, *Linear Algebra and its Applications*, *Journal of Integer Sequences*, *Journal of Graph Theory*, *Electronic Journal of Combinatorics*, *Selecta Mathematica (New Series)*, *Journal of Combinatorial Theory Series A*, *Journal of Combinatorial Theory Series B*, *Discrete Mathematics*, *Graphs and Combinatorics*, *European Journal of Combinatorics*, *Lecture Notes in Computer Science (Proceedings of RANDOM)*, *Mathematical Logic Quarterly*, *Random Structures & Algorithms*, *Proceedings of SODA*, *Proceedings of IPSN*, *DIMACS Series in Discrete Mathematics and Theoretical Computer Science* and *Israel Journal of Mathematics*
- 9 sequences authored in OEIS
- Over two hundred research talks, including plenary talks at the Triangle Lectures in Combinatorics (2023), the Graduate Student Combinatorics Conference (2023), the Midwest Graph Theory Conference (2017) and the Lake Michigan Workshop on Combinatorics and Graph Theory (2014)
- 20+ outreach talks, including the George Kitchen Memorial Lecture, Kalamazoo College (2024)

## GRANTS, HONORS AND AWARDS

- NSA Young Investigators grant (twice), Simons Collaboration grant (twice), AIM SQuaRE, NSF conference grants
- Rev. Edmund P. Joyce C.S.C. Award for Excellence in Undergraduate Teaching, Notre Dame (2017) and Father James L. Shilts/Doris and Gene Leonard Teaching Award, College of Science, Notre Dame (2016)
- Represented Ireland at International Mathematical Olympiad (1990)

## TEACHING AND MENTORING

- Supervised 4 PhD theses and 12 undergraduate senior theses, worked with 20+ other undergraduates on directed readings, etc.
- Mentored two postdocs
- 20+ different courses taught at all levels at Notre Dame, UPenn, U. Washington and Rutgers

## SERVICE AND PROFESSIONAL ACTIVITIES

- Organizer/co-organizers of seven conferences/workshops and ten special sessions
- Various departmental and university committees, including dean search and university librarian search committees
- Editor for Indian Journal of Discrete Mathematics since 2018
- Member of AAAS, AMS, AWM, ICA, MAA and NAM