

Contact Information

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Research Interests

Extremal Combinatorics, Graph Theory, Probabilistic Methods in Combinatorics, and their applications to theoretical Computer Science and Optimization

Appointments

12/2014– present : Professor
School of Mathematical Sciences, University of Science and Technology of China
09/2013– 12/2014: Postdoctoral Associate,
Department of Mathematical Sciences, Carnegie Mellon University
07/2011– 09/2013: Hedrick Assistant Professor,
Department of Mathematics, UCLA

Education

08/2007-08/2011: Ph.D. in Mathematics, Thesis Advisor: Prof. Xingxing Yu,
School of Mathematics, Georgia Institute of Technology
09/2003-07/2007: B.Sc. in Mathematics,
Department of Mathematics, University of Science and Technology of China

Publications

1. Independent paths and K_5 -subdivisions, J. Ma and X. Yu, *J. Comb. Theory, Ser. B* 100(6) (2010), 600-616
2. On several partitioning problems of Bollobás and Scott, J. Ma, P. Yan and X. Yu, *J. Comb. Theory, Ser. B* 100(6) (2010), 631-649
3. Bounds for pairs in partitions of graphs, J. Ma and X. Yu, *Discrete Mathematics* 310(15-16) (2010), 2069-2081
4. Circumference of 3-connected claw-free graphs and large Eulerian subgraphs of 3-edge-connected graphs, M. Bilinski, B. Jackson, J. Ma and X. Yu, *J. Comb. Theory, Ser. B* 101(4) (2011), 214-236
5. A note on Lovász removable path conjecture, *Journal of Combinatorics* 2(1) (2011), 103-109
6. Partitioning 3-uniform hypergraphs, J. Ma and X. Yu, *J. Comb. Theory, Ser. B* 102(1) (2012), 212-232
7. A problem of Erdős on the minimum number of k -cliques, S. Das, H. Huang, J. Ma, H. Naves and B. Sudakov, *J. Comb. Theory, Ser. B* 103(3) (2013), 344-373

8. Approximate min-max relations on plane graphs, J. Ma, X. Yu and W. Zang, *J. Combinatorial Optimization* 26(1) (2013), 127-134
9. Large feedback arc sets, high minimum degree subgraphs, and long cycles in Eulerian digraphs, H. Huang, J. Ma, A. Shapira, B. Sudakov and R. Yuster, *Combinatorics, Probability and Computing* 22(6) (2013), 859-873
10. K_5 -subdivisions in graphs containing K_4 -, J. Ma and X. Yu, *J. Comb. Theory, Ser. B* 103(6) (2013), 713-732
11. Longest common subsequences in sets of words, B. Bukh and J. Ma, *SIAM J. Discrete Math* 28(4) (2014), 2042–2049
12. Discrepancy of random graphs and hypergraphs, J. Ma, H. Naves and B. Sudakov, *Random Structure and Algorithms* 47(1) (2015), 147-162
13. Coloring digraphs with forbidden cycles, Z. Chen, J. Ma and W. Zang, *J. Combin. Theory, Ser. B* 115 (2015), 210-223
14. Maximizing proper colorings on graphs, J. Ma and H. Naves, *J. Combin. Theory, Ser. B* 115 (2015), 236-275
15. K_5 -subdivisions in graphs containing $K_{2,3}$, K. Kawarabayashi, J. Ma and X. Yu, *J. Combin. Theory, Ser. B* 113 (2015), 18-67.
16. On Judicious bipartitions of graphs, J. Ma and X. Yu, *Combinatorica*, 36 (2016), 537-556.
17. Graphs containing topological H , J. Ma, Q. Xie and X. Yu, *J. Graph Theory* 82(2) (2016), 121-153.
18. Cycles with consecutive odd lengths, J. Ma, *European Journal of Combinatorics* 52 (2016), 74-78.
19. Diameter critical graphs, P. Loh and J. Ma, *J. Combin. Theory, Ser. B* 117 (2016), 34-58.
20. On edges not in monochromatic copies of a fixed bipartite graph, J. Ma, *J. Combin. Theory, Ser. B* 123 (2017), 240-248
21. Some extremal results on complete degenerate hypergraphs, J. Ma, X. Yuan and M. Zhang, *J. Combin. Theory, Ser. A* 154 (2018), 598-609.
22. Cycle lengths and minimum degree of graphs, C. Liu and J. Ma, *J. Combin. Theory, Ser. B* 128 (2018), 66-95.
23. Coloring graphs with two odd cycle lengths, J. Ma and B. Ning, *SIAM J. Discrete Math* 32(1) (2018), 296-319.
24. Cycles with two blocks in k -chromatic digraphs, R. Kim, S. Kim, J. Ma and B. Park, *J. Graph Theory*, 88 (2018), 592-605.
25. Cycles of given lengths in hypergraphs, T. Jiang and J. Ma, *J. Combin. Theory, Ser. B* 133 (2018), 54-77.
26. Decomposing C_4 -free graphs under degree constraints, J. Ma and T. Yang, *J. Graph Theory* 90 (2019), 13-23.
27. On tight cycles in hypergraphs, H. Huang and J. Ma, *SIAM J. Discrete Math* 33(1) (2019), 230-237.
28. On problems about judicious bipartitions of graphs, Y. Ji, J. Ma, J. Yan and X. Yu, *J. Combin. Theory, Ser. B* 139(2019), 230-250.
29. On a conjecture of Bondy and Vince, J. Gao and J. Ma, *J. Combin. Theory, Ser. B* 141(2020), 136-142.

30. Some sharp results on the generalized Turan numbers, J. Ma and Y. Qiu, *European J. Combin.* 84 (2020), 103026.
31. Stability results on the circumference of a graph, J. Ma and B. Ning, *Combinatorica* 40 (2020), 105-147.
32. A conjecture of Verstraete on vertex-disjoint cycles, J. Gao and J. Ma, *SIAM J. Discrete Math* 34(2) (2020), 1290–1301.
33. A unified proof of conjectures on cycle lengths in graphs, J. Gao, Q. Huo, C. Liu and J. Ma, *Int. Math. Res. Not.*, to appear.
34. Counting critical subgraphs in k -critical graphs, J. Ma and T. Yang, *Combinatorica*, to appear.
35. Monochromatic subgraphs in iterated triangulations, J. Ma, T. Tang and X. Yu, *Electron. J. Combin.* 27(4) (2020), P4.18.
36. Non-repeated cycle lengths and Sidon sequences, J. Ma and T. Yang, *Israel J. Math.*, to appear.

Preprints

37. On Turan exponents of some bipartite graphs, T. Jiang, J. Ma and L. Yepremyan, Submitted.
38. Stability and supersaturation of 4-cycles, J. He, J. Ma and T. Yang, Submitted.
39. Linear cycles of consecutive lengths, T. Jiang, J. Ma and L. Yepremyan, Submitted.
40. Negligible obstructions and Turan exponents, T. Jiang, Z. Jiang and J. Ma, Submitted.
41. Sparse halves in K_4 -free graphs, X. Liu and J. Ma, Submitted.
42. The inducibility of oriented stars, P. Hu, J. Ma, S. Norin and H. Wu, Submitted.
43. A clique version of the Erdos-Gallai stability theorems, J. Ma and L. Yuan, Submitted.
44. Minimizing cycles in tournaments and normalized q -norms, J. Ma and T. Tang, Submitted.
45. On the rainbow matching conjecture for 3-uniform hypergraphs, J. Gao, H. Lu, J. Ma and X. Yu, Submitted.

Grants and Awards

- USTC-Special Project to Promote The Internationalization of Mathematics Discipline Construction, 2020.01-2020.12, PI
- Prize of young teachers award in colleges and universities, Fok Ying Tung Education Foundation/Ministry of Education of The People's Republic of China, 2018
- Youth Science Award of Applied Mathematics, China Society of Industrial and Applied Mathematics (CSIAM), 2018
- Anhui Youth Science Award of Mathematics, Anhui Province Mathematical Society, 2017
- Anhui Initiative in Quantum Information Technologies grant AHY 150200, 2018.01-2022.12, Co-PI
- National Natural Science Foundation of China (NSFC) Grant #11622110, The National Science Fund for Excellent Young Scholars, 2017.01-2019.12, PI
- National Natural Science Foundation of China (NSFC) Grant #11501539, 2016.01-2018.12
- USTC- Important Project Cultivation Fund, 2015.01-2017.12, PI
- AMS-Simons Travel Grants, 2012-2013, PI
- Festa Fellowship, June 2011, School of Mathematics, Georgia Institute of Technology.

Service

- SIAM Journal on Discrete Mathematics, Associate Editor, since January 2018
- Journal of University of Science and Technology of China, Editor, since September 2020
- Board member of the following societies:
 - Chinese Mathematical Society, China Society for Combinatorics and Graph Theory (CSCGT)
 - China Society for Industrial and Applied Mathematics (CSIAM), Activity Group on Graph Theory and Combinatorics with Applications
 - Operations Research Society of China (ORSC), Branch on Graph Theory and Combinatoric
 - Institute of Combinatorics and its Applications (ICA)
- Referee for the following journals:
 - Advance in Combinatorics
 - Combinatorica
 - Discrete Mathematics
 - European Journal of Combinatorics
 - Graphs and Combinatorics
 - International Mathematics Research Notices
 - Journal of Combinatorial Optimization
 - Journal of Combinatorial Theory Series A
 - Journal of Combinatorial Theory Series B
 - Journal of Combinatorics
 - Journal of Graph Theory
 - Random Structure and Algorithms
 - Science China Mathematics
 - SIAM Journal on Discrete Mathematics
- Organizer or co-organizer of the following international/national conferences:
 - TSIMF workshop on "Combinatorics", Tsinghua Sanya International Mathematics Forum (TSIMF), Sanya, China, January 11-15, 2021 (postponed to January 2022)
 - TSIMF workshop on "Recent Advances in Extremal Combinatorics workshop II", Tsinghua Sanya International Mathematics Forum, Sanya, China, May 18 - 22, 2020 (postponed to December 6-10, 2021)
 - The 8th Combinatorics and Graph Theory National Conference, Hefei, Anhui, China, August 23-26, 2018
 - TSIMF workshop "Recent Advances in Extremal Combinatorics", Tsinghua Sanya International Mathematics Forum, Sanya, China, May 22-26, 2017.
 - The minisymposium "Extremal Combinatorics, Probabilistic Combinatorics, and their applications", at the 8th International Congress on Industrial and Applied Mathematics (ICIAM), August 2015, Beijing, China
 - 2015 International Workshop on Graphs and Combinatorics, at USTC-Anhui University, May 2015, Hefei, Anhui, China
 - Special Session on "Topics in Graph Theory: Structural and Extremal Problems", at the 2015 Spring Western Sectional Meeting of the American Mathematical Society, April 2015, Las Vegas, Nevada, USA
- Project reviewer for the following funding programs:

- National Natural Science Foundation of China (NSFC)
- The Mathematical Sciences Program of the National Security Agency (NSA), USA

Selected Invited Talks

- A unified proof of conjectures on cycle lengths, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Beijing, China, November 24, 2020
- Graphs with no cycles of the same length, Tsinghua University, Beijing, China, November 23, 2020
- Finding sparse halves in K_4 -free graphs, Lingnan Normal University, Guangdong, China, November 21, 2020 (online)
- Non-repeated cycle lengths and Sidon sequences, Guangdong University of Finance & Economics, Guangdong, China, November 19, 2020 (online)
- Counting critical subgraphs in k -critical graphs, Zhejiang Normal University, Zhejiang, China, October 28, 2020 (online)
- Finding sparse halves in K_4 -free graphs, Nankai University, Tianjin, China, October 20, 2020 (online)
- On cycle lengths and Sidon sequences, Shandong University, Shandong, China, October 14, 2020 (online)
- Non-repeated cycle lengths and Sidon sequences, Xiamen University, Fujian, China, September 18, 2020
- Sparse halves in K_4 -free graphs, Lanzhou University, Gansu, China, September 3, 2020 (online)
- On problems of counting subgraphs, The 9th Combinatorics and Graph Theory National Conference, Plenary speaker, August 16, 2020 (online)
- Critical subgraphs in critical graphs, Shandong, Linfen, China, August 1, 2020 (online)
- The number of critical subgraphs in k -critical graphs, Xinjiang University, Urumqi, Xinjiang, China, July 23, 2020 (online)
- Some recent results on degenerate Turan numbers, Nankai University, Tianjin, China, July 5, 2020 (online)
- Non-repeated cycles and Sidon sets, The 10th Xi'an Workshop on Graph Theory and Combinatorics, Chang'an University, Xi'an, China, June 20, 2020 (online)
- Counting critical subgraphs in k -critical graphs, Nankai University, Tianjin, China, March 20, 2020 (online)
- The number of critical subgraphs in k -critical graphs, Fudan University, Shanghai, China, March 19, 2020 (online)
- A unified proof of some conjectures on cycles, Fudan University, Shanghai, China, December 20, 2019
- A unified proof of some conjectures on cycles, Shanghai Jiao Tong University, Shanghai, China, December 19, 2019
- Stability and supersaturation of 4-cycles, East China Normal University, Shanghai, China, December 19, 2019
- Stability and applications of 4-cycles, The 10th Conference of Tsinghua Sanya International Mathematics Forum- Conference on Graph Theory and its Applications: a Tribute to Professor Fan Chung, Sanya, Hainan, China, December 16-18, 2019

- Stability and applications of quadrilaterals, The 2th Discrete Mathematics and Optimization conference, Xiamen University, Xiamen, China, October 18-22, 2019
- Counting critical subgraphs in critical graphs, Georgia Institute of Technology, Atlanta, GA, US, October 3, 2019
- Stability and applications of quadrilaterals, Combinatorics Seminar at Emory University, Atlanta, GA, USA, September 30, 2019
- Counting critical subgraphs in k -critical graphs, WaterColor 2019, University of Waterloo, Waterloo, Canada, September 23-27, 2019
- Cycle lengths in graphs of given minimum degree and chromatic number, 27th British Combinatorial Conference, University of Birmingham, Birmingham, UK, July 29-August 2, 2019
- A unified proof of some conjectures on cycle lengths, The 19th International Conference on Random Structures and Algorithms, ETH Zürich, Zürich, Switzerland, July 15-19, 2019
- Some topics in Extremal Combinatorics, Young scholars in Combinatorics and Graph Theory Workshop, China Society for Combinatorics and Graph Theory (CSCGT)/Fuzhou University, Fuzhou, Fujian, China, June 20-23, 2019
- On a conjecture of Bondy and Vince, Beijing Jiaotong University, Beijing, China, June 7, 2019
- On a conjecture of Bondy and Vince, Central China Normal University, Wuhan, Hubei, China, May 7, 2019
- Tight bounds on consecutive cycles in graphs, TSIMF workshop on "Structural Graph theory and graph coloring", Sanya, Hainan, China, April 28- May 3, 2019
- A completion of Thomassen's conjecture on cycle lengths mod k , Fuzhou University, Fuzhou, Fujian, China, March, 2019
- Tight cycles in hypergraphs, Nanjing University of Aeronautics and Astronautics, Nanjing, Jiangsu, China, January, 2019
- On the extremal number of quadrilateral-free graphs, SCMS workshop on Structural and Extremal Graph Theory, Fudan university, Shanghai, China, December 1, 2018
- Turan exponents of bipartite graphs, the 4th Japan-Sino Symposium on Graph Theory, Tokyo, Japan, November 2-4, 2018
- From counting lines to counting subgraphs, Yokohama National University, Yokohama, Japan, November, 2018
- Cycles lengths in graphs with large minimum degree, the 14th Annual Conference of Operations Research Society of China, Chongqing, China, October 12-15, 2018
- Extremal combinatorics: Turan type problems on cycles, the 16th Annual Conference of China Society for Industrial and Applied Mathematics (CSIAM), Chendu, Sichuan, China, September 14-16, 2018
- Tight cycles in hypergraphs, Fuzhou University, June, 2018
- Turan type problems in Extremal Combinatorics, The Hong Kong University of Science and Technology, Hong Kong, China, February 19-26, 2018
- Stability results in graphs of given circumference, Combinatorics Seminar at Tel Aviv University, Tel Aviv, Israel, December 10, 2017

- Extremal combinatorics: Turan type problems on cycles, The 1st Annual Conference of International Consortium of Chinese Mathematicians, Guangzhou, Guangdong, China, December 27-29, 2017
- Extremal numbers on cycles in hypergraphs, Anhui Mathematical Society, Anhui, China, October 27-29, 2017
- Stability results on long cycles in graphs, Zhejiang Normal University, Jinhua, Zhejiang, China, October 20-22, 2017
- From counting lines to counting subgraphs, Miami University, Colloquium, Florida, USA, October 05, 2017
- Extremal numbers on cycles in hypergraphs, Atlanta Lecture Series in Combinatorics and Graph Theory XX (Atl-ALS XX), Atlanta, Georgia, USA, September 30, 2017
- Stability results in graphs of given circumference, Graph Theory Seminar at Georgia Tech, Atlanta, GA, US, September 28, 2017
- Circumference, AMS Sectional Meeting at the University of Central Florida, Orlando, Florida, USA, September 23, 2017
- Stability results in graphs of given circumference, Princeton, USA, September 21, 2017
- Stability on circumference, AMS Sectional Meeting at SUNY Buffalo, Buffalo, New York, USA, September 17, 2017
- Stability results on the circumference of a graph, Anhui University, Hefei, Anhui, China, August, 2017
- A brief introduction of Flag Algebra, Jiangsu Normal University, Jiangsu, China, August 7, 2017
- Decomposing C_4 -free graphs under degree constraints, 7th Matrix and Spectral Graph Theory Seminar, Chuzhou University, Anhui, China, August 5-7, 2017
- Cycles of given lengths in hypergraphs, Dalian University of Technology, Dalian, Liaoning, China, July, 2017
- Many copies of k -cliques in H -free graphs, Beijing Jiaotong University, Beijing, China, June 3-5, 2017
- A brief introduction of Flag Algebra, Fuzhou University, Fuzhou, Fujian, China, June, 2017
- On some extremal problems in graphs and hypergraphs, Fuzhou University, Fuzhou, Fujian, China, June, 2017
- Cycles of given lengths in hypergraphs, Jiangsu Normal University, Xuzhou, Jiangsu, China, June, 2017
- Turan numbers on complete degenerate hypergraphs, Fudan University, Shanghai, China, March, 2017
- Cycles of given lengths in hypergraphs, Shanghai University, Shanghai, China, March, 2017
- Some extremal results on complete degenerate hypergraphs (February 15), 26th Coast Combinatorics Conference, Kailua-Kona, Hawaii, USA, February 13-16, 2017
- Cycles in hypergraphs, Korean Society for Industrial and Applied Mathematics 2016 Annual Meeting, Jeju, Korea, November 11-13, 2016
- Some problems on extremal graph theory: cycles and colorings, The 7th Combinatorics and Graph Theory National Conference, Shijiazhuang, China, 14-17 August, 2016
- Problems and Results on Bisections, SIAM DM minisymposium on Extremal Combinatorics, The 2016 SIAM Conference on Discrete Mathematics, Atlanta, GA, USA, June 6-10, 2016

- Cycles lengths in sparse graphs, Seminar talk at Miami University, Oxford, Ohio, USA, 31 May, 2016
- Extremal problems on diameter-critical graphs, 2016 International Workshop on Graph Theory and Combinatorics, Ewha Womans University, Seoul, Korea, February 18-20, 2016
- Discrepancy of random graphs and hypergraphs, The 12nd National Mathematics Conference, Beijing, China, 21-24 November, 2015
- Maximizing proper colorings on graphs, the 8th International Congress on Industrial and Applied Mathematics (ICIAM 2015), Beijing, China, 10-14 August, 2015
- Maximizing the chromatic polynomial, GTCA2015, Lanzhou, China, 17-20 July, 2015
- Extremal problems on diameter critical graphs, The 8th Cross-strait Conference on Graph Theory and Combinatorics, Zhongshan University, Gaoxiong, Taiwan, 26 June- 2 July, 2015
- Cycles with length condition and a conjecture of Thomassen, AMS 2015 Spring Western Sectional Meeting, University of Nevada at Las Vegas, Las Vegas, NV, USA, 18-19 April, 2015
- Coloring digraphs with forbidden cycles, 2015 Atlanta Lecture Series in Combinatorics and Graph Theory, Georgia Institute of Technology, Atlanta, GA, USA, 12 April, 2015
- Digraph colorings and forbidden cycles, November 21, 2014, Combinatorics Seminar at University of Mississippi, Oxford, Mississippi, USA
- Maximizing proper colorings on graphs, November 10, 2014, the Sixth Combinatorics and Graph Theory National Conference, Guangzhou, Guangdong, China
- Coloring digraphs with forbidden cycles, October 16, 2014, Discrete Mathematics Seminar at Princeton University, Princeton, NJ, USA
- Relations between digraph colorings and cycle class, October 2, 2014, ACO-Seminar at Carnegie Mellon University, Pittsburgh, PA, USA
- Diameter-critical graphs, June 18, 2014, SIAM Minisymposium on Probabilistic and Extremal Combinatorics, at The 2014 SIAM Conference on Discrete Mathematics, Minneapolis, MN, USA
- Extremal problems on diameter-k-critical graphs, June 11, 2014, Combinatorics Seminar at Jiangsu Normal University, Xuzhou, Jiangsu, China
- Extremal problems on diameter-2-critical graphs, June 10, 2014, Combinatorics Seminar at Anhui University, Hefei, Anhui, China
- Maximizing the number of proper colorings in graphs, June 7, 2014, Combinatorics Seminar at the University of Science and Technology of China, Hefei, Anhui, China
- Extremal problems on diameter-2-critical graphs, June 2, 2014, The 2014 Combinatorics and Graph Theory Conference at The Hunan University, Changsha, Hunan, China
- The maximum number of proper colorings in graphs with fixed numbers of vertices and edges, April 16, 2014, Combinatorics Seminar at University of West Virginia, Morgantown, WV, USA
- Graphs with the maximum number of proper q-colorings, March 7, 2014, Georgia Tech Combinatorics Seminar, Atlanta, GA, USA
- Maximizing the number of proper colorings of graphs, January 16, 2014, AMS Special Session on Graph Theory: Structural and Extremal Problems, The 2014 Joint Mathematics Meetings, Baltimore, MD, USA

- Graphs with maximum number of proper q -colorings and a conjecture of Lazebnik, September 19, 2013, ACO-Seminar at Carnegie Mellon University, Pittsburgh, PA, USA
- The Maximum number of q -colorings, August 08, 2013, The 16th International conference on Random Structures and Algorithms, Poznan, Poland
- Discrepancy of graphs: a conjecture of Bollobas-Scott, July 22, 2013, in CUHK Computer Science and Engineering Seminar, The Chinese University of Hong Kong, Hong Kong, China
- Relative discrepancy between random graphs and hypergraphs, June 22, 2013, The 2013 Graph Theory and Combinatorics International Workshop at The Anhui University, Hefei, Anhui, China
- Discrepancy of random graphs and hypergraphs, January 26, 2013, Extremal and Probabilistic Combinatorics at UCLA, Los Angeles, CA, USA
- On the minimum number of k -cliques, November 20, 2012, Georgia Tech Graph Theory Seminar, Atlanta, GA, USA
- A problem of Erdős on the minimum number of k -cliques, August 23, 2012, BIRS Workshop: New Trends and Directions in Combinatorics, Banff, Canada
- Extremal Problems in Eulerian Digraphs, May 09, 2012, Graph Theory at Georgia Tech conference, Atlanta, GA, USA
- Problems in Eulerian Digraphs, March 08, 2012, UCLA Combinatorics Seminar, Los Angeles, CA, USA
- On the behavior of Judicious bipartitions, November 05, 2011, Atlanta Lecture Series in Combinatorics and Graph Theory, Georgia State University, Atlanta, GA, US
- Min-Max relations on graphs embedded in surfaces, June 15, 2011, IAPM Reunion Workshop, Lake Arrowhead, CA, USA
- A characterization of 4-ordered cycle in planar graphs, April 29, 2011, Georgia Tech SIAM student Seminar, Atlanta, GA, USA
- Judicious partitions of 3-uniform hypergraphs, March 26, 2011, SIAM-SEAS 2011 Annual meeting, University of North Carolina at Charlotte, Charlotte, NC, USA
- Judicious partitions of 3-uniform hypergraphs, January 21, 2011, Georgia Tech Combinatorics Seminar, Atlanta, GA, USA
- Judicious partition of graphs and hypergraphs, September 22, 2009, UCLA-IPAM Combinatorics Seminar, Los Angeles, CA, USA
- TK_5 in 5-connected non-planar graphs, April 23, 2009, Georgia Tech Graph Theory Seminar, Atlanta, GA, USA
- Judicious Partitions of Hypergraphs, April 4, 2009, the 33rd SIAM Southeastern-Atlantic Section Annual Meeting, University of South Carolina, SC, USA

Selected Academic Activities

- The 9th Combinatorics and Graph Theory National Conference, Plenary speaker, August 15-16, 2020 (online)
- The 10th Xi'an Workshop on Graph Theory and Combinatorics, Invited speaker, Chang'an University, Xi'an, China, June 20, 2020 (online)
- The 10th Conference of Tsinghua Sanya International Mathematics Forum- Conference on Graph Theory and its Applications: a Tribute to Professor Fan Chung, Sanya, Hainan, China, December 16-18, 2019

- The 2nd East Asia Workshop on Extremal and Structural Graph Theory, Jocheon-eup, Jeju, Republic of Korea, October 31- November 4, 2019
- The 2nd Discrete Mathematics and Optimization Conference, Xiamen University, Xiamen, China, October 18-22, 2019
- WaterColor 2019, University of Waterloo, Ontario, Canada, September 23-27, 2019
- The 27th British Combinatorial Conference, University of Birmingham, Birmingham, UK, July 29-August 2, 2019
- The 19th International Conference on Random Structures and Algorithms, ETH Zürich, Zürich, Switzerland, July 15-19, 2019
- Young scholars in Combinatorics and Graph Theory Workshop, China Society for Combinatorics and Graph Theory (CSCGT)/Fuzhou University, Fuzhou, Fujian, China, June 20-23, 2019
- TSIMF workshop on "Structural Graph theory and graph coloring", Sanya, Hainan, China, April 28- May 3, 2019
- SCMS workshop on Structural and Extremal Graph Theory, Fudan university, Shanghai, China, December 1-2, 2018
- The 4th Japan-Sino Symposium on Graph Theory, Tokyo, Japan, November 2-4, 2018
- 14th Annual Conference of Operations Research Society of China, Chongqing, China, October 12-15, 2018
- 16th Annual Conference of China Society for Industrial and Applied Mathematics (CSIAM), Chendu, Sichuan, China, September 14-16, 2018
- The 8th Combinatorics and Graph Theory National Conference, Hefei, Anhui, China, August 23-26, 2018
- The 1st Annual Conference of International Consortium of Chinese Mathematicians, Guangzhou, Guangdong, China, December 27-29, 2017
- Atlanta Lecture Series in Combinatorics and Graph Theory XX (Atl-ALS XX), Atlanta, Georgia, USA, September 30, 2017
- AMS Sectional Meeting at the University of Central Florida, Orlando, Florida, USA, September 23-24, 2017
- AMS Sectional Meeting at SUNY Buffalo, Buffalo, New York, USA, Sep 16-17, 2017
- Conference on Circle structure in graphs, Yinchuan, Ningxia, China, August 11-13, 2017
- 7th Matrix and Spectral Graph Theory Conference, Chuzhou University, Anhui, China, August 5-7, 2017
- 2017 Graph Theory and Combinatorial Algorithms Conference (GTCA2017), Shanxi, China, July 28-31, 2017
- 26th Coast Combinatorics Conference, Kailua-Kona, HI, USA, February 13-16, 2017
- Plenary talk, at the 7th Combinatorics and Graph Theory National Conference, Shijiazhuang, China, 14-17 August, 2016
- The 2016 SIAM Conference on Discrete Mathematics, Atlanta, GA, USA, June 6-10, 2016
- The 8th Cross-strait Conference on Graph Theory and Combinatorics, Zhongshan University, Gaoxiong, Taiwan, 26 June- 2 July, 2015
- 2015 Atlanta Lecture Series in Combinatorics and Graph Theory, Georgia Institute of Technology, Atlanta, GA, USA, 12 April, 2015

- The Sixth Combinatorics and Graph Theory National Conference, November, 2014, Guangzhou, Guangdong, China
- IMA Workshop: Extremal and Probabilistic Combinatorics, September 2014, Minneapolis, MN, USA
- The 2014 SIAM Conference on Discrete Mathematics, June 2014, Minneapolis, MN, USA
- The 2014 Combinatorics and Graph Theory Conference at The Hunan University, June 2014, Changsha, Hunan, China
- The 2014 Joint Mathematics Meetings, January 2014, Baltimore, MD, USA
- The 16th International conference on Random Structures and Algorithms, August 2013, Poznan, Poland
- Visiting Scholar, July 2013, Department of Mathematics in the University of Hone Kong, Hong Kong
- The 2013 Graph Theory and Combinatorics International Workshop, June 2013, Anhui University, Anhui, China
- EXCILL2: Extremal Combinatorics at Illinois, March 2013, UIUC, IL, USA
- Extremal and Probabilistic Combinatorics, January 2013, UCLA, CA, USA
- BIRS Workshop: New Trends and Directions in Combinatorics, August 2012, BIRS, Banff, Canada.
- Graph Theory at Georgia Tech conference, May 2012, Georgia Institute of Technology, GA, USA
- Atlanta Lecture Series in Combinatorics and Graph Theory IV, November 2011, Georgia State University, US
- IPAM Reunion Workshop, June 2011, Lake Arrowhead, CA, USA
- 15th International Conference on Random Structures and Algorithms, May 2011, Emory University, GA, USA
- Atlanta Lecture Series in Combinatorics and Graph Theory III, April 2011, Georgia Institute of Technology, GA, USA
- 2011 SIAM-SEAS, March 2011, University of North Carolina at Charlotte, NC, USA
- Atlanta Lecture Series in Combinatorics and Graph Theory II, February 2011, Georgia State University, GA, USA
- Visiting Scholar, December 2010- January 2011, National Institute for Informatics, Tokyo, Japan
- Atlanta Lecture Series in Combinatorics and Graph Theory I, November 2010, Emory University, GA, USA
- Visiting Scholar, June-July 2010, Department of Mathematics in the University of Hong Kong, Hong Kong, China
- Combinatorics: Methods and Applications in Mathematics and Computer Science (workshop), September- December 2009, Institute for Pure and Applied Mathematics (IPAM), UCLA, CA, USA
- DIMACS Workshop on Graph Colouring and Structure, May 2009, Princeton University, NJ, USA
- 33rd SIAM Southeastern-Atlantic Section Annual Meeting, April 2009, University of South Carolina, SC, USA