

CURRICULUM VITAE

Linyuan Lu

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RESEARCH INTERESTS

Large information networks, probabilistic methods, spectral graph theory, random graphs, extremal problems on hypergraphs and posets, algorithms, and graph theory.

EDUCATION

Ph. D. in Combinatorics, December 2002.

Thesis title: *Probabilistic methods in massive graphs and Internet computing*;

Supervised by Professor Fan Chung Graham.

University of California at San Diego, La Jolla, CA.

M. S. in Computer Science (5/99), M. S. in Mathematics (8/99).

University of Pennsylvania, Philadelphia, PA.

B. S. in Mathematics (7/91).

Nankai University, Tianjin, China.

POSITIONS

Full professor, Department of Mathematics, University of South Carolina, (01/2013–present)

Associate professor, Department of Mathematics, University of South Carolina, (08/2009–12/2012)

Assistant professor, Department of Mathematics, University of South Carolina, (08/2004–08/2009)

Postdoc, Department of Mathematics, University of California, San Diego, (10/2002–08/2004)

AWARD

Receiving a prize of \$100 from Ron Graham on December 8, 2007 for settling a twenty-years-old Erdős prized problem.

SUMMARIES

Publications: 1 book, 2 book chapters, 44 Journal papers, 10 conference papers, and 8 preprints.

Presentations: series of fourteen 90-minute talks, series of six 90-minute talks, twenty 50-minute invited talks, thirty 25-minute invited conference talks, 5 contributed talks, and 31 local seminar talks.

Grants: NSF DMS-1300547, ONR N00014-13-1-0717, NSF DUE-CCLI-1020692, NSF DMS-1000475, and NSF DMS-0701111.

Editorial board: *Managing editor* (07/09 – 01/13) and editor (01/13 – present) for the Journal of Combinatorics.

Services: Serving in an NSF panel, organizing 7 sections/conferences, reviewing 12 NSF/NSA grants, and refereeing 72 papers in 25 Journals/conferences.

Supervision: one finished Ph. D. student, two current Ph. D. students, one visiting student, three (other) co-authored students, and four undergraduate students.

PUBLICATIONS

(a) Books

1. Fan Chung and Linyuan Lu, *Complex graphs and networks*, CBMS Regional Conference Series in Mathematics; number 107, (2006), 264+vii pages. ISBN-10: 0-8218-3657-9, ISBN-13: 978-0-8218-3657-6.

(b) Book Chapters

2. Linyuan Lu, Austin Mohr, and László Székely, Quest for Negative Dependency Graphs, in *Recent Advances in Harmonic Analysis and Applications: In Honor of Konstantin Oskolkov* (Eds. D. Bilyk, L. DeCarli, A. Petukhov, A. M. Stokolos, B. D. Wick), Springer Proceedings in Mathematics & Statistics, (2012) 243-258.
3. William Aiello, Fan Chung, and Linyuan Lu. Random evolution in massive graphs, in *Handbook on Massive Data Sets*, (Eds. James Abello et al.), (2002) 97–122.

(c) Referred Journal Papers

4. Yong Lin, Linyuan Lu, S.-T. Yau, Ricci-flat graphs with girth at least five, *Communications in Analysis and Geometry*, to appear.
5. Linyuan Lu and Xing Peng, Spectra of edge-independent random graphs, *Electronic Journal of Combinatorics*, **20** (4), (2013) P27.
6. Steve Bulter, Ron Graham, and Linyuan Lu, Unrolling residues to avoid progressions, *Mathematics Magazine*, to appear.
7. Richard Anstee and Linyuan Lu, Repeated columns and an old chestnut, *Electronic Journal of Combinatorics*, **20** (4), (2013) P2.
8. Linyuan Lu and Jingfen Lan, Diameter of Graphs with Spectral Radius at most $\frac{3}{2}\sqrt{2}$, *Linear Algebra and its Application*, **438**, No. 11, (2013), 4382-4407.
9. Linyuan Lu, Austin Mohr, and Laszlo Szekely, Connected Balanced Subgraphs in Random Regular Multigraphs Under the Configuration Model, *Journal of Combinatorial Mathematics and Combinatorial Computing*, to appear.
10. Linyuan Lu and Xing Peng, High-ordered Random Walks and Generalized Laplacians on Hypergraphs (full version), *Internet Mathematics*, **9**, No. 1, (2013), 3-32.
11. Linyuan Lu and Xing Peng, The Fractional Chromatic Number of Triangle-free Graphs with $\Delta \leq 3$, *Discrete Mathematics* **312**, No. 24, (2012), 3502-3516.
12. Jingfen Lan, Linyuan Lu, and Lingsheng Shi, Graphs with Diameter $n - e$ Minimizing the Spectral Radius, *Linear Algebra and its Application*, **437**, No. 11, (2012), 2823-2850.
13. Linyuan Lu and Xing Peng, Loose Laplacian spectra of random hypergraphs, *Random Structures & Algorithms*, **41** No. 4, (2012), 521-545.
14. Linyuan Lu and Xing Peng, Monochromatic 4-term arithmetic progressions in 2-colorings of \mathbb{Z}_n , *J. Combin. Theory Ser. A*, **119** No. 5, (2012), 1048-1065.
15. Andrew D. King, Linyuan Lu, and Xing Peng, A fractional analogue of Brook's theorem, *SIAM J. Discrete Math.*, **26** (2012), 452-471.

16. Jerry Griggs, Wei-Tian Li, Linyuan Lu, Diamond-free Families, *Journal of Combinatorial Theory Ser. A*, **119** (2012) 310-322.
17. Linyuan Lu and Xing Peng, On Meyniel's conjecture of the cop number, *Journal of Graph Theory*, **71**, No. 2, (2012),192-205.
18. Fan Chung, Paul Horn, and Linyuan Lu, Diameter of random spanning trees in a given graph, *Journal of Graph Theory*, **69** No. 3 (2012), (223-240).
19. Yong Lin, Linyuan Lu, and S.T. Yau, Ricci Curvature of graphs, *Tohoku mathematics journal*, **63** No. 4, (2011), 605-627.
20. Linyuan Lu and Yiting Yang, The Randic index and the diameter of graphs, *Discrete Mathematics*, **311**, Issue 14, (2011) 1333-1343.
21. Joshua Cooper and Linyuan Lu, Graphs with Asymptotically Invariant Degree Sequences under Restriction, *Internet Mathematics*, **7** 1, (2011), 67-80.
22. Wei-Tian Li, Linyuan Lu, and Yiting Yang, Routing numbers of Cycles, Complete Bipartite Graphs, and Hypercubes, *SIAM J. Discrete Math.* **24**, (2010), 1482-1494.
23. Jerrold R. Griggs and Linyuan Lu, On families of subsets with a forbidden subposet, *Combinatorics, Probability and Computing*, **18**, Special Issue 05, (2009), 731-748.
24. Linyuan Lu and Yi Zhao, An exact result and its application on hypergraph Turán numbers, *SIAM J. Discrete Math.* **23** (2009) 1324-1334.
25. Fan Chung, Paul Horn, and Linyuan Lu, Percolation in General Graphs, *Internet Mathematics*, **6** 3, (2009), 331-347.
26. Linyuan Lu, Explicit construction of small Folkman graphs, *SIAM J. Discrete Math.*, **21** (2008), No. 4, 1053-1060.
27. Linyuan Lu and László Székely, Using Lovasz Local Lemma in the space of random injections, *Electronic Journal of Combinatorics*, **14**(1) #63, (2007).
28. Reid Andersen, Fan Chung, Linyuan Lu, Drawing power law graphs using a local/global decomposition, *Algorithmica* **47** (2007), no. 4, 379–397.
29. Fan Chung and Linyuan Lu, Concentration inequalities and martingale inequalities — a survey, *Internet Mathematics*, **3** (2006), No. 1, 79–127.
30. Fan Chung and Linyuan Lu, The volume of the giant component for a random graph with given expected degrees, *SIAM J. Discrete Math.*, **20** (2006), No. 2, 395–411.
31. Reid Andersen, Fan Chung, and Linyuan Lu, Modeling the small-world phenomenon with local network flow, *Internet Mathematics*, **2** No. 3, (2005), 359–385.
32. Fan Chung and Linyuan Lu, Coupling on-line and off-line analyses for random power law graphs, *Internet Mathematics*, **1** No. 4, (2004), 409–461.
33. Fan Chung, Linyuan Lu, and Van Vu, Eigenvalues of random power law graphs, *Internet Mathematics*, **1** No. 3, (2004), 257–275.
34. Fan Chung and Linyuan Lu, The small world phenomenon in hybrid power law graphs, *Lect. Notes Phys.* **650** (2004), 89-104.
35. Fan Chung, Ronald Graham, and Linyuan Lu. Guessing secrets with inner product questions, *Internet Mathematics*, **1**, no. 2, (2004), 193-217.

36. Fan Chung and Linyuan Lu. The average distances in random graphs with given expected degrees, *Internet Mathematics* **1**, No. 1, (2003), 91–114.
37. Fan Chung, Linyuan Lu and Van Vu, The spectra of random graphs with given expected degrees, *Proceedings of National Academy of Sciences*, **100**, No. 11, (2003), 6313-6318.
38. Fan Chung and Linyuan Lu, T. Gregory Dewey, and David J. Galas. Duplication models for biological networks, *Journal of Computational Biology*, **10**, No. 5, (2003), 677-688.
39. Fan Chung, Linyuan Lu, and Van Vu, Eigenvalues of random power law graphs, *Annals of Combinatorics*, **7** (2003), 21–33.
40. Fan Chung and Linyuan Lu. Connected components in a random graph with given degree sequences, *Annals of Combinatorics*, **6** (2002), 125–145.
41. Fan Chung and Linyuan Lu. The average distances in random graphs with given expected degrees, *Proc. Natl. Acad. Sci.* **99** (2002), 15879–15882.
42. Ke Liang, Zixin Hou, and Linyuan Lu. On sheets of orbit covers for classical semisimple Lie groups, *Sci. China Ser. A*, **45(2)**, (2002), 155–164.
43. Fan Chung and Linyuan Lu. The diameter of random sparse graphs, *Adv. in Appl. Math.* **26** (2001), 257–279.
44. William Aiello, Fan Chung, and Linyuan Lu. A random graph model for power law graphs, *Experiment. Math.* **10(1)**, (2000), 53–66.
45. Fan Chung and Linyuan Lu, An upper bound for the Turán number $t_3(n, 4)$, *J. Combin. Th. Ser. A* **87** (1999), 381–389.
46. Linyuan Lu and Liang Ke. Sheets and rigid orbit covers of exceptional Lie groups, *Chinese Sci. Bull.* **43(16)**, (1998), 1702–1706.
47. Zixin Hou and Linyuan Lu. A class of homogeneous semisimple spaces, *Chinese Ann. Math. Ser. B* **19(3)**, (1998), 321–330.

(d) Papers In Peer-Reviewed Conference Proceedings

48. Sang P. Chin, Elizabeth Reilly, and Linyuan Lu, Finding structures in large-scale graphs. In *Proceedings of SPIE*, vol. **8408**, (2012) p. 840805.
49. Linyuan Lu and Xing Peng, High-ordered Random Walks and Generalized Laplacians on Hypergraphs, Alan M. Frieze, Paul Horn, Pawel Pralat (Eds.): *Algorithms and Models for the Web Graph - 8th International Workshop WAW 2011, Atlanta, GA, USA, May 27-29, 2011. Proceedings*. Lecture Notes in Computer Science **6732**, 14-25.
50. Fan Chung, Paul Horn and Linyuan Lu. The Giant Component in a Random Subgraph of a Given Graph, Konstantin Avrachenkov, Debora Donato, Nelly Litvak (Eds.): *Algorithms and Models for the Web-Graph, 6th International Workshop, WAW 2009, Barcelona, Spain, February 12-13, 2009. Proceedings*. Lecture Notes in Computer Science **5427** 38-49.
51. Reid Anderson, Fan Chung, and Linyuan Lu, Drawing power law graph, in *Graph Drawing, Lecture Notes in Computer Science* **3383**, (2005), 12-17.
52. Reid Anderson, Fan Chung, and Lincoln Lu. Analyzing the small world phenomenon using a hybrid model with local network flow, in *Algorithms and Models for the Web-Graph: Third International Workshop, WAW 2004, Rome, Italy, October 16, 2004, Proceedings. Lecture Notes in Computer Science*, **3243**, (2004), 19-30.

53. Ju Wang, Linyuan Lu and Andrew. A. Chien. Tolerating denial-of-service attacks using overlay networks - Impact of overlay network topology, *Proceedings of the 2003 ACM workshop on Survivable and self-regenerative systems: in association with 10th ACM Conference on Computer and Communications Security*, (2003), 43–52.
 54. Fan Chung, Ronald Graham, and Linyuan Lu. Guessing secrets with inner product questions (extended abstract), *Proceedings of the Thirteenth ACM-SIAM Symposium on Discrete Algorithms*, (2002), 247–253.
 55. William Aiello, Fan Chung, and Linyuan Lu. Random evolution in massive graphs (extended abstract), *Proceedings of the Forty-Second Annual Symposium on Foundations of Computer Science*, (2001), 510–519.
 56. Linyuan Lu. The diameter of random massive graphs, *Proceedings of the Twelfth ACM-SIAM Symposium on Discrete Algorithms*, (2001), 912–921.
 57. William Aiello, Fan Chung, and Linyuan Lu. A random graph model for massive graphs, *Proceedings of the Thirty-Second Annual ACM Symposium on Theory of Computing*, (2000), 171–180.
- (e) Preprints
58. Linyuan Lu and László Székely, A new asymptotic enumeration technique: the Lovász Local Lemma, in revision.
 59. Linyuan Lu, On crown-free families of subsets, submitted.
 60. Travis Johnston, Linyuan Lu, and Kevin Milan, Boolean algebras and Lubell functions, submitted.
 61. Travis Johnston and Linyuan Lu, Turan Problems on Non-uniform Hypergraphs, submitted.

CONFERENCES and PRESENTATIONS

(a) Serial talks

- A series of fourteen 90-minutes talks on “Probabilistic methods in Combinatorics”, Mathematical Sciences Center, Tsinghua University, Beijing, China, November 16 – December 30, 2011.
- A series of six 90-minute talks on “Complex graphs and networks”, *BASICS’08 Summer School on Graphs and Algorithms*, Guiyang, China, July 27 – August 3, 2008.

(b) Invited 50-minute talks

1. Forbidden configurations and repeated columns, *Institute of Mathematics, Academia Sinica*, Taipei, Taiwan, November 29, 2013.
2. Graphs with small spectral radius, *Workshop on Spectral Graph Theory and Related Topics*, Taipei, Taiwan, November 28, 2013.
3. Unrolling residues to avoid progressions, *Nankai University*, Tianjin, China, August 2, 2013.
4. Probabilistic Methods for Complex Graphs, *Tongji University*, Shanghai, China, July 22, 2013.
5. Extremal Problems on Subsets and Hypergraphs, *The Sixth International Congress of Chinese Mathematicians*, Taipei, July 14-19, 2013. (45 minutes)

6. Unrolling residues to avoid progressions, *Georgia State University*, Atlanta, GA, May 1, 2013.
7. Probabilistic Methods for Complex Graphs, *William & Mary*, Williamsburg, VA, April 19, 2013.
8. Extremal families of subsets and the Lubell function, *University of Delaware*, Newark, DE, April 19, 2012.
9. Probabilistic methods for complex graphs, *Institute of Computing Technology, Chinese Academy of Sciences*, December 26, 2011.
10. Graph percolation and Laplacian on hypergraphs, *Renmin University*, Beijing, China, December 2, 2011.
11. The giant component in a random subgraph of a given graph, *Atlanta Lecture Series in Combinatorics and Graph Theory IV*, Atlanta, November 5-6, 2011.
12. Explicit Construction of Small Folkman Graphs, *Tsinghua University*, Beijing, China, June 10, 2010.
13. A random graph model for massive graphs, *Differential Geometry Seminar at the Harvard University*, Oct. 11, 2009.
14. The giant component in a random subgraph of a given graph, *Combinatorics Seminar at Georgia Institute of Technology*, Atlanta, GA, October 9, 2008.
15. Probabilistic Methods for Complex Graphs, *Combinatorics Center at Nankai University*, Tianjin, China, June 2-5, 2008.
16. Explicit Construction of Small Folkman Graphs, *The 22nd Clemson mini-conference*, Clemson University, Clemson, SC, October 11-12, 2007.
17. Coloring Non-Uniform Hypergraphs Red and Blue, *Combinatorics Seminar at Georgia Institute of Technology*, Atlanta, GA, May. 25, 2006.
18. Spectra of Random Power Law Graphs, *Combinatorics Seminar at Georgia Institute of Technology*, Atlanta, GA, Nov. 19, 2004.
19. Guessing Secrets, *Colloquium at Georgia State University*, Atlanta, GA, Nov. 19, 2004.
20. Random Graphs with Given Expected Degree Sequence, *Colloquium at NIU Mathematics Department*, Northern Illinois University, February 25, 2002.

(c) Invited 25-minute talks

1. Repeated columns and an old chestnut, *AMS Fall Southeastern Sectional Meeting*, Louisville, KY, October 5-6, 2013.
2. Turán Problems on Non-uniform Hypergraphs, *AMS Spring Central Sectional Meeting*, Iowa State University, Ames, IA, April 26-28, 2013.
3. Unrolling residues to avoid progressions, *37th annual meeting of the SIAM Southeastern Atlantic Section*, Knoxville, TN, March 22-24, 2013.
4. On crown-free families of subsets, *International Conference on Advances in Interdisciplinary Statistics and Combinatorics*, Greensboro, NC, October 5-7, 2012.
5. Turán Problems on Non-uniform Hypergraphs, *MIGHTY LIII conference*, Iowa State University, Ames, IA, Sept. 21-22, 2012.

6. Ricci-flat graphs with girth at least five, *25th Cumberland Conference on Combinatorics, Graph Theory, & Computing*, Johnson City, TN, May 10-12, 2012.
7. Diameters of Graphs with Spectral Radius at most $\frac{3}{2}\sqrt{2}$, *AMS Spring Southeastern Section Meeting*, Tampa, FL, March 10-11, 2012.
8. Monochromatic 4-term arithmetic progressions in 2-colorings of \mathbb{Z}_n , *Integers Conference*, University of West Georgia, Carrollton, GA, October 26-29, 2011.
9. High-ordered Random Walks and Generalized Laplacians on Hypergraphs, *AMS Fall Southeastern Section Meeting*, Wake Forest University, Winston-Salem, NC September 24-25, 2011.
10. Generalized Laplacian Eigenvalues of Random Hypergraphs, *The 15th International Conference on Random Structures and Algorithms*, Atlanta, May 24-28, 2011.
11. Minimum spectral radius of graphs with diameter $n - e$, *The 25th Cumberland Conference on Combinatorics, Graph Theory, and Computing*, Louisville, KY, May 12-14, 2011.
12. An fractional analogue of Brooks' theorem, *The 8-th meeting of the Carolina Mathematics Seminar*, University of South Carolina Lancaster, Lancaster, SC, April 15, 2011.
13. Monochromatic short-term arithmetic progressions in \mathbb{Z}_n , *SIAM Southeastern Atlantic Section Conference*, Charlotte, NC, March 26-27, 2011.
14. An fractional analogue of Brooks' theorem, *AMS Spring Southeastern Section Meeting*, Statesboro, GA, March 12-13, 2011.
15. Ricci curvature of graphs, *AMS Fall Southeastern Section Meeting*, Richmond, VA, November 6-7, 2010.
16. The Fractional Chromatic Number of Triangle-free Graphs with $\Delta \leq 3$, *AMS Spring Central Sectional Meeting*, St. Paul, MN, April 10-11, 2010.
17. The giant component in a random subgraph of a given graph, *The 33rd SIAM Southeastern-Atlantic Section Conference*, University of South Carolina, April 4-5, 2009.
18. Diameter of Random Spanning Trees in a Given Graph, *AMS Spring Central Sectional Meeting*, University of Illinois at Urbana-Champaign, March 27-29, 2009.
19. Diameter of Random Spanning Trees in a Given Graph, *SIAM Annual Meeting*, San Diego, CA, July 7-11, 2008.
20. Explicit Construction of Small Folkman Graphs, *AMS Spring Central Section Meeting*, University of Indiana, Bloomington, IN, April 4-6, 2008.
21. On Families of Subsets with a Forbidden Subposet, *Mini-Conference on Applied Combinatorics*, University of South Carolina, Columbia, SC October 15-16, 2007.
22. On Families of Subsets with a Forbidden Subposet, *AMS 2007 Central Section Meeting*, Chicago, IL, October 5-6, 2007.
23. Using Lovász Local Lemma in the Space of Random Matchings, *Workshop on Complex Networks and their Application*, Georgia Institute of Technology, Atlanta, GA, January 22-24, 2007.
24. On a Problem of Erdős and Lovász on Coloring Non-Uniform Hypergraphs, *AMS Southeastern Section Meeting*, Fayetteville, AR, November 3-4, 2006.
25. Hexagon-free Subgraphs in the Hypercube, *Integers Conference 2005*, Carrollton, GA, Oct. 27-30, 2005.

26. Duplication Models for Biological Networks, *Bioinformatics mini-symposium at University of South Carolina*, Columbia, SC, March 19, 2005.
27. Duplication Models for Biological Networks, *SIAM Southeast Atlantic Section Meeting*, Charleston, SC, Mar. 25–26, 2005.
28. Power Law versus Semicircle Law — Spectra of Random Power Law Graphs, *SIAM Conference on Discrete Mathematics*, Nashville, TN, USA, June 13-16, 2004.
29. Several Concentration Inequalities of Power Law Graphs, *Combinatorics of Large Sparse Graphs*, San Marcos, California USA, June 7-11, 2004.
30. Spectra of Random Power Law Graphs, *Workshop on Web Structure and Algorithms*, Carnegie Mellon University, Pittsburgh, PA, April 9-10, 2004.

(d) other 25-minutes talks at Conferences

1. Guessing secrets with inner product questions, *Symposium on Foundations of Computer Science*, San Francisco, California, January 6-8, 2002.
2. Guessing secrets with inner product questions, *AMS joint mathematics Meetings*, San Diego, California, January 7-9, 2002.
3. A random graph model for massive graphs, *Symposium on Theory of Computing*, Portland, Oregon, May 21-23, 2000.
4. Random evolution in massive graphs, *Symposium on Foundations of Computer Science*, Las Vegas, Nevada, October 14-17, 2001.
5. The diameter of random massive graphs, *Symposium on Discrete Algorithms*, Washington D.C. January 7-9, 2001.

(e) other 29 talks at local seminars; about 2-3 talks/per year.

GRANT

1. NSF DMS-1300547 Extremal and Probabilistic Combinatorics with Applications, László A. Székely and Linyuan Lu, 7/1/2013–6/30/2016, \$184,111.
2. ONR N00014-13-1-0717 Spectral, Probabilistic, and Information-theoretic Analysis for Graphs and Hypergraphs, Linyuan Lu, 7/31/2013–11/29/2015, \$196,226.
3. USC Office of the Provost, Summer School on Network Science at USC, László A. Székely, Linyuan Lu, and Qi Wang, 9/1/2012–6/30/2013, \$21,949.
4. NSF DUE-CCLI-1020692 Collaborative Research: STEM Real World Applications of Mathematics, Linyuan Lu and Joshua Cooper, 10/1/2010-9/30/2013, \$79,999.
5. NSF DMS-1000475 Extremal and probabilistic combinatorics, László A. Székely and Linyuan Lu, 7/1/2010–6/31/2013, \$175,930.
6. NSF DMS-0701111: Extremal and probabilistic combinatorics, László A. Székely and Linyuan Lu, 8/1/2007–7/31/2010, \$104,118.

SERVICES TO PROFESSION

- (a) **EDITORIAL BOARD:** *Managing editor* for the Journal of Combinatorics (07/09 – 01/13).
Editor for the Journal of Combinatorics (01/13 – present).
- (b) Participated in 1 NSF Panel.
- (c) External Services on organizing Workshop/Symposium
1. Co-organizing the Summer School on Network Science at USC, May 20-24, 27-31, 2013.
 2. Co-organizing a section “Extremal Combinatorics”, *AMS Spring Southeastern Section Meeting*, Tampa, FL, March 10-11, 2012.
 3. Co-organizing a section “Extremal combinatorics” at *AMS Fall Southeastern Section Meeting*, Wake Forest University, Winston-Salem, NC September 24-25, 2011.
 4. Program Committee member for “The 8th Workshop on Algorithms and Models for the Web-Graph” (WAW 2011), Emory University, May 28-29, 2011.
 5. Co-organizing a mini-symposium “Extremal Problems in Discrete Math” at the 35th SIAM Southeastern Atlantic Section Conference, Charlotte, NC, March 26-27, 2011.
 6. Program Committee member for “The 7th Workshop on Algorithms and Models for the Web-Graph” (WAW 2010), Stanford University, December 13-16, 2010.
 7. Co-organizing a mini-symposium “Extremal and Probabilistic Combinatorics” (3 sessions) at the 33rd SIAM Southeastern-Atlantic Section Conference, Columbia, SC, April 4-5, 2009.
 8. Organizing Committee member for “The 5th Workshop on Algorithms and Models for the Web-Graph” (WAW2007), La Jolla, December 11-12, 2007.
 9. Organizing minisymposium “Probabilistic Methods for Complex Graphs” at 2008 SIAM Annual Meeting, San Diego, CA, July 7-9, 2008.
- (d) Refereed 8 NSF proposals and 4 NSA proposals.