

Curriculum Vitae

Maria Chudnovsky

Contact Information

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Present Position

Professor, Mathematics and PACM

Research Interests

Graph Theory

Employment history

2014 Liu Family Professor of IEOR, Columbia University
2014 Professor (IEOR and Mathematics), Columbia University
2006-2013 Associate Professor, Columbia University
2005-2006 Assistant Professor, Princeton University
2003-2008 Clay Research Fellow, The Clay Mathematics Institute
2003-2005 Veblen Research Instructor, Princeton University and the IAS

Education

Ph.D Princeton University, Mathematics, 2003

Thesis Title : Berge Trigraphs and Their Applications.

Thesis Advisor: Paul Seymour

M.A Princeton University, 2002

M.SC Technion, Israel Institute of Technology, Mathematics, 1999.

Thesis Title : Systems of Disjoint Representatives.

Thesis Advisor: Ron Aharoni

B.A. *Summa Cum Laude* Technion, Israel Institute of Technology , Mathematics, 1996.

Honors and Awards

- Guggenheim Foundation Fellowship (2025)
- Distinguished Fellow at the Faculty of Sciences at the Hebrew University of Jerusalem (2024-2026)
- NSF Grant CCF-2505100 (2025-2029)
- Airforce Office of Scientific Research award FA9550-25-1-0275 (2025-2028)
- NSF Grant DMS-2348219 (2024-2027)
- MAA-AMS-SIAM Gerald and Judith Porter Public Lecture (2024)
- Fellow of the American Mathematical Society (2024)
- Elected international member of Academia Europaea (2022)
- Airforce Office of Scientific Research award FA9550-22-1-0083 (2022-2025)
- Henry Burchard Fine Professor of Mathematics (01/16/2022-06/30/2022)
- NSF DMS-EPSC Grant DMS-2120644 (2021-2024)
- NSF Grant DMS-1763817 (2018-2021)
- US Army Research Office Grant W911NF-16-1-0404 (2016-2020)
- Invited speaker, Combinatorics Section, International Congress of Mathematicians, Seoul 2014
- MacArthur Foundation Fellowship (2013-2017)
- NSF Grant DMS-1265803 (2013-2018, now DMS-1550991)
- NSF Grant IIS-1117631 (2011-2014, joint with Tony Jebara)
- NSF Grant DMS-1001091 (2010-2013)

- D.R. Fulkerson Prize (2009, joint with Neil Robertson, Paul Seymour and Robin Thomas)
- NSF Grant DMS-0758364 (2008-2011)
- Ostrowski research stipend (2004)
- Clay Mathematics Institute Research Fellowship (2003-2008)

Editorial Boards

Combinatorica, Journal of Graph Theory, Discrete Mathematics, Journal of Computer and System Sciences, Journal of Combinatorial Theory, Series B, Advances in Combinatorics, Journal of the Association for Mathematical Research, Algorithmica, Innovations in Graph Theory, Proceedings of the London Mathematical Society

Scientific Advisory Boards

Past: MFO (Oberwolfach Research Institute for Mathematics), BIRS (Banff International Research Station for Mathematical Innovation and Discovery), Program in Algorithms, Combinatorics and Optimization, Georgia Tech, Academia Sinica (Taiwan)

Current: AIM (American Institute of Mathematics), ESI (Erwin Schrödinger International Institute for Mathematics and Physics at the University of Vienna)

Program Committees:

SODA 2009,2013, 2020, 2025. Perspectives in Discrete Mathematics 2012; SIAM Discrete Mathematics 2014; PRIMA 2017; Bordeaux Graph Theory Workshop 2016; EuroComb 2017; Mathematical Congress of the Americas 2021; International Workshop on Graph-theoretic Concepts in Computer Science, 2019, Latin American Algorithms Graph and Optimization Symposium (LAGOS2021), International Conference on Number Theory and Discrete Mathematics (ICNTDM 2020), SiGMa 2020; Seymour is 70 (2020), WADS 2023, 49th International Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM 2024), International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2025), International Workshop on Combinational Algorithms (IWOCA 2025)

Steering Committee:

International Workshop on Combinational Algorithms.

Recent Outreach Activities

- Princeton Undergraduate Colloquium, Princeton, NJ
- Noetherian Ring Seminar, Princeton, NJ
- Distinguished Speaker, "24 Hours of Science", IBM, on-line
- Girls Talk Math Program Interview, University of Maryland
- RSM public lecture (grades 6+), on-line
- Math is everywhere, Women in Mathematics Across America at the Institute of Mathematical Sciences of the Americas, Miami, FL
- "Math-life balance" YouTube channel, an interview
- Panelist at "The limit does not exist", National Museum of Mathematics, New York, NY
- Featured Speaker at Mathcounts Manhattan, New York, NY
- "Numberphile" YouTube channel, two video lectures; 250K views combined
- MoMath Math Encounters Lecture, National Museum of Mathematics, New York, NY
- Institute for Advanced Study Women and Mathematics Program Organizing Committee member
- Adviser, Career Advancement Workshop for Female Scientists, Rockefeller University; organized by Israel ScienceAbroad Program
- Featured in "Stem Gems" by Stephanie Espy, #GiveGirlsRoleModels Campaign

Post-doc Supervision

- Rose McCarty (now at Georgia Tech)
- Sophie Sprikl (now at University of Waterloo)
- Aurelie Lagoutte (now University Clermont-Auvergne, Clermont-Ferrand, France)
- Bernard Ries (now at University of Fribourg)

- Andrew King (now at D-Wave Systems)
- Juraj Stacho (now at Google)
- Radoslav Fulek (now at Institute of Science and Technology Austria)

PhD Student Supervision

- Yori Zwols (PhD 2010, now at Google DeepMind)
- Alexandra Fradkin (PhD 2011, now at Classical Academy, Bryn-Mawr, PA)
- Irena Penev (PhD 2012, now at Charles University)
- Krzysztof Choromanski (PhD 2013, now at Google Research)
- Matthieu Plumettaz (PhD 2014, now at Investment Technology Group)
- Peter Maceli (PhD 2015, now at Ithaca College)
- Mingxian Zhong (PhD 2018, now at CUNY)
- Sophie Spirkl (PhD 2018, now at University of Waterloo)
- Cemil Dibek (PhD 2021, joint with Amirali Ahmadi, now at Koc University)
- Tara Abrishami (PhD 2023, now at University of Hamburg)
- Daniel Carter (in progress)
- Julien Codsı (in progress)

MSc Student Research Supervision

Mingxian Zhong (2013), Juba Ziani (2013), Cosmin Pohoata (2015), Ilya Maier (in progress)

Undergraduate Student Research Supervision

David Lyn (2005), Rohan Kapadia (2005,2006), Alexandra Ovetsky (2005,2006) Varun Jalan (2010), Max Ehrman (2012), Kendric Schefers (2014), Alexander Yu (2016), Elizabeth Yang (2016), Emily Zhang (2017), Jessica Shi (2018), Andrei Graur (2019), Jenny Kaufmann (2019), Jason King (2020), Nathan Bergman (2021), John Ahloy (2022), Pablo Hinojosa (2022), Daniel Carter (2023), Ian McInnis (2023), Adrian Thananopavam (2024), Icey Ai (2025), David Fischer (2025 and in progress), Claire Kaneshiro (in progress)

Other Experience

1996 - 1999 Service in the Israel Defense Force.

Teaching

Spring 2016, Spring 2017, Spring 2019, Spring 2020, Spring 2023, Spring 2025, Princeton University, Topics in Discrete Mathematics, MAT579

Fall 2015, Fall 2016, Fall 2018, Fall 2019, Fall 2021, Fall 2022, Fall 2024, Fall 2026, Princeton University, Advanced Graph Theory, MAT477

Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2014 Columbia University, Graph Theory—A Combinatorial View, CSORE4010

Spring 2009 Columbia University, Introduction to OR—Deterministic Models, IEOR4004

Spring 2009, Spring 2011, Spring 2013 Columbia University, Advanced Topics in IEOR—Graph Theory, IEOR8100

Fall 2008, Fall 2009, Fall 2010, Fall 2011, Fall 2012 Columbia University, Introduction to Mathematical Programming, IEOR 3608

Spring 2007, Fall 2009, Fall 2011 Columbia University, Introduction to OR—Deterministic Models, IEOR4004

Fall 2006 Columbia University, Advanced Topics in IEOR—Graph Theory, IEOR8100

Spring 2005, Spring 2015, Spring 2018, Spring 2021, Spring 2024 Princeton University, Introduction to Graph Theory, MAT375/COS342

Fall 2002 Princeton University, MAT 202, Linear Algebra With Applications

Invited Talks

2026

- 2026 Barbados Graph Theory Workshop, Bellairs Research Center, Barbados
- Oberwolfach Meeting on Combinatorics, Oberwolfach, Germany

2025

- Oberwolfach Meeting on Graph Theory, Oberwolfach, Germany

- Dagstuhl Seminar Solving Problems on Graphs: From Structure to Algorithms, Schloss Dagstuhl, Germany
- SLMath Introductory Workshop–Graph Theory: Extremal, Probabilistic and Structural
- UCI ACO Seminar, Irvine, CA
- 2025 Barbados Graph Theory Workshop, Bellairs Research Center, Barbados
- Graph Theory and Beyond at Princeton University, Princeton, NJ
- University of Primorska FAMNIT Mathematical Research Seminar, Koper, Slovenia
- Workshop on Quantum Graph States: Bridging Classical Theory and Quantum Innovation, Arlington, VA
- Quanta Magazine podcast The Joy of Wh(y), on-line
- International Conference on Enumerative Combinatorics and Applications, on-line
- 2025 Fields-Carleton Distinguished Lectures, Carleton University, Ottawa, ON, Canada
- Bertinoro Workshop on Algorithms and Graphs, Bertinoro, Italy
- Princeton Undergraduate Colloquium, Princeton, NJ
- PIMS Network Wide Colloquium, on-line
- Combinatorics, Graph Theory and Ordered Sets Seminar, Warsaw University of Technology, Warsaw, Poland

2024

- Richard P. Stanley Seminar in Combinatorics, MIT, Boston, MA
- NYU Mathematics Colloquium, New York, NY
- IAS CSDM seminar, Princeton, NJ
- Brin Mathematics Research Center Distinguished Lecture, College Park, MD
- Post-quantum Cryptography Seminar, IHP, Paris, France
- Mathematics Colloquium, UIC, Chicago, IL

- Academy of Discrete Mathematics and Applications Colloquium, on-line
- Forward From the Fields Medal, The Fields Institute, Toronto, CA
- A Workshop in Celebration of Ray Fulkerson's 100th Birthday, Waterloo, ON, Canada
- IBS Discrete Mathematics seminar, Daejeon, South Korea
- Jagiellonian TCS seminar, on-line
- NY Graph Theory Workshop, CUNY Graduate Center, New York, NY
- Spring School on Algorithmic Graph Theory, Aussois, France
- INFORMS Optimization Society Conference, Houston, TX, USA
- 2024 Barbados Graph Theory Workshop, Bellairs Research Center, Barbados
- Erdos Colloquium, University of Florida, Gainesville, FL
- MAA-AMS-SIAM Gerald and Judith Porter Public Lecture, Joint Mathematics Meetings 2024, San Francisco, CA

2023

- Combinatorics, Optimization and Game Theory Seminar, London School of Economics, London, UK
- Computer Science Colloquium, University of Leeds, Leeds, UK
- Combinatorics, Graph Theory and Ordered Sets Seminar, Warsaw University of Technology, Warsaw, Poland
- Oxford Discrete Maths and Probability Seminar, on-line
- Atlanta Combinatorics Colloquium, Georgia Tech, Atlanta, GA
- IBM 24 Hours of Science, on-line
- Western Academy Visiting Fellow Lecture, Western University, London, ON
- IAS CSDM seminar, Princeton, NJ
- CUNY Combinatorics Seminar, CUNY Graduate Center, New York, NY
- Theory and Algorithms Seminar, ENS, Paris, France

- Mathematics Colloquium, KAIST, Daejeon, South Korea
- Distinguished Computer Science Lecture, UCSB, Santa Barbara, CA

2022

- Oberwolfach Meeting on Graph Theory, Oberwolfach, Germany
- Mathematics Colloquium, Northwestern University, Evanston, IL
- Combinatorics, Graph Theory and Ordered Sets Seminar, Warsaw University of Technology, Warsaw, Poland
- ACO@CMU, A workshop in honor of Gérard Cornuéjols' 71st birthday, Pittsburgh, PA
- NORCOM 2022, Tromso, Norway
- Seymour is Seventy Workshop, ENS de Lyon, Lyon, France
- AMS-EMS-SMF International meeting (plenary speaker), Grenoble, France
- AMS-EMS-SMF International meeting (session on graph and matroid polynomials), Grenoble, France
- 8th Czech-Slovak International Symposium on Combinatorics
- Workshop on Graph Theory and Combinatorics in Memory of Robin Thomas, Atlanta, GA
- 9th Polish Combinatorial Conference, Bedlewo, Poland
- Math is everywhere, Women in Mathematics Across America at the Institute of Mathematical Sciences of the Americas, Miami, FL
- KolKom 2022, Paderborn University, Paderborn, Germany
- Barbados Workshop on graph coloring, Bellairs Research Center, Barbados
- Distinguished Colloquium Series of the Turkish Mathematical Society, on-line

2021

- University of Waterloo Women in Math seminar, on-line

- 14th Latin American Symposium on Theoretical Informatics (LATIN), on-line
- SODA 2021, on-line
- Rutgers Mathematics Colloquium, on-line
- Cantor Sect Distinguished Lecture, The University of Memphis, on-line
- Kovalevskaya Colloquium, Berlin Mathematical School and Mathematics Research Center, on-line
- Toyota Technological Institute Distinguished Lecture, on-line
- Applied Mathematics Noon Lecture, Charles University, Prague, on-line
- International School on Algorithms, Combinatorics, and Complexity, St Petersburg University, on-line
- 32nd International Workshop on Combinatorial Algorithms, University of Ottawa, on-line
- National Meeting of the Portugese Mathematical Society, on-line
- Virtual Discrete Math Colloquium, KAIST, on-line
- BIRS workshop "New trends in graph coloring and structure", on-line
- Alan J. Goldman distinguished lecture, JHU, Batimore, MD.
- Science Achievement Graduate Fellows Lecture, Penn State, on-line
- Bordeaux Graph Theory seminar, on-line
- Workshop on Graph Theory for Combinatorial Reconfiguration, Tohoku University, on-line
- PACM Colloquium, Princeton University, Princeton, NJ
- AWM-MOCA Colloquium, Iowa State University, Ames, IA
- Harvard CMSA Colloquium, on-line
- GraphesLyon seminar, ENS de Lyon, Lyon, France

2020

- Oberwolfach Meeting on Combinatorics, Oberwolfach, Germany

- Beatrice Yormark Distinguished Lecture, Stanford University, Palo Alto, CA
- Stanford Combinatorics Seminar, Palo Alto, CA
- Mathcounts Manhattan, New York, NY
- Undergraduate Math Colloquium, Princeton University, Princeton, NJ
- Banff Workshop “New perspectives on graph structure and coloring”, on-line
- Virtual Combinatorics Colloquium, Northeast Combinatorics Network, on-line
- UConn Mathematics Distinguished Lecture, on-line
- MATRIX Online Seminar, on-line
- Heilbronn Annual Conference 2020, on-line
- LSE Combintorics Seminar, on-line
- Iowa State University Mathematics Colloquium, on-line
- SUNY Stony Brook Mathematics Colloquium, on-line
- Warwick Combinatorics Seminar, on-line
- IST Vienna Colloquium, on-line
- UIUC Combinatorics Colloquium, on-line

2019

- 2019 CMS Winter Meeting, Toronto, ON, Canada
- Structural Graph Theory Downunder, Creswick, VIC, Australia
- RIA Hamilton Lecture, Dublin, Ireland
- Waterloo Coloring Conference, Waterloo, ON
- Paul Erdős Lecture Series, Memphis, TN
- Ghent Graph Theory Workshop on Structure and Algorithms, Ghent. Belgium
- DIMACS REU Seminar, Rutgers University, Piscataway, NJ

- 31st Cumberland Conference on Combinatorics, Graph Theory and Computing, University of Central Florida, Orlando, FL
- LMS Keynote sLecture, BTCSC, Durham, UK
- Barbados Workshop on graph coloring, Bellairs Research Center, Barbados
- MoMath Math Encounters Lecture, MoMath, New York, NY
- Fields@Queens lecture, Queen's University, Kingston, ON, Canada
- Mathematics and Statistics Colloquium, Queen's University, Kingston, ON, Canada
- Oberwolfach Meeting on Graph Theory, Oberwolfach, Germany

2018

- Princeton University Mathematics Competition Guest Lecturer
- 10th International Colloquium on Graph Theory and Combinatorics, Lyon, France
- 44th International Workshop on Graph-Theoretic Concepts in Computer Science, Lubbenau, Germany
- One day meeting in Combinatorics, University of Oxford, Oxford, UK
- Barbados Workshop on graph coloring, Bellairs Research Center, Barbados
- IMPA Workshop on Extremal and Structural Combinatorics, Rio de Janeiro, Brazil
- Goddard Science Colloquium, NASA Goddard Space Flight Center, Greenbelt, MD
- US Naval Academy Julian Clancy Frazier Math Colloquium, USNA, Annapolis, MD
- Yale Mathematics Colloquium, Yale University, New Haven, CT
- Asprey Lectures in Mathematics, Vassar College, Poughkeepsie, NY

2017

- Oberwolfach Meeting on Combinatorics, Oberwolfach, Germany
- Mathematics Colloquium, University of Michigan, Ann Arbor, MI
- NSF Distinguished Lecture in Mathematical and Physical Sciences, Arlington, VA

- Barbados Workshop on graph coloring, Bellairs Research Center, Barbados
- Colloquium d'Informatique de L'UPMC Sorbonne Universites, Paris, France
- Structure in Graphs and Matroids, University of Waterloo, Waterloo, ON, Canada
- Mathematical Congress of the Americas, Montreal, QC, Canada
- Workshop on Geometric and Structural Graph Theory, Banff, AB, Canada
- Latin and Algorithms, Graphs and Optimization Symposium, CIRM, Marseille, France
- The 23rd Annual Arne Magnus Lecture Series, Colorado State University, Fort Collins, CO
- The Cheng-Jung Hsu Distinguished Lecture Series, Institute of Mathematics of Academia Sinica, Taipei, Taiwan
- MIT Mathematics Colloquium, Boston, MA
- The 5th International Combinatorics Conference, Monash University, Melbourne, Australia

2016

- Oberwolfach Meeting on Graph Theory, Oberwolfach, Germany
- PIMS/UBC Distinguished Colloquium, Vancouver, BC, Canada
- British Mathematical Colloquium, Bristol, UK
- Barbados Workshop on graph coloring, Bellairs Research Center, Barbados
- Applied Mathematics Colloquium, Princeton University, Princeton, NJ
- Coven-Wood Lecture Series in Mathematics, Wesleyan University, Middletown, CT
- Discrete Math Day of the Northeast, Smith College, Northampton, MA
- Porcelli Lecture Series, LSU, Baton Rouge, LA
- Extremal Combinatorics at Illinois, Illinois Institute of Technology, Chicago, IL
- Hungarian-Israeli combinatorial days at the Technion, Haifa, Israel
- The Second Israeli Workshop for Women in Mathematics, the Jerusalem Institute for Advanced Studies, Jerusalem, Israel

- Triangle Lectures in Combinatorics, North Carolina State University, Raleigh
- Plucker Lectures, Hausdorff Center for Mathematics, Bonn, Germany

2015

- UIUC Mathematics Colloquium, Urbana-Champaign, IL
- EuroComb, Bergen, Norway
- Coloring Graphs at the Technion, The Technion, Haifa, Israel
- One-day Meeting in Combinatorics, University of Oxford, Oxford, UK
- AWM Reserach Symposium, University of Maryland, College Park, MD
- AIM workshop on Graph Ramsey Theory, San Jose, CA
- CIRM meeting on Graph Structure, Marseille, France
- Distinguished Colloquium in Interdisciplinary and Applied Mathematics, Columbia University, New York, NY

2014

- KAIST CMC Annual Distinguished Lecture, KAIST, Daejeon, South Korea
- Bordeaux Graph Workshop, Bordeaux, France
- Google Technical Lecture, Google, New York, NY
- Mathematics Colloquium, Rutgers University, Piscataway, NJ
- Gentry Lectures, Wake Forest University, Winston-Salme, NC
- IMA Workshop on Extremal and Probabilistic Combinatorics, Minneapolis, MN
- Combinatorics Section, ICM 2014, Seoul, South Korea
- 2014 Workshop on Structure in Graphs and Matroids, Princeton, NJ
- Erdos Memorial Lecture, AMS Sectional Meeting, Knoxville, TN
- Forty-Fifth Southeastern International Conference on Combinatorics, Graph Theory, and Computing, Boca Raton, FL

- Brandeis-Harvard-MIT-Northeastern joint Mathematics Colloquium, NEU, Boston, MA
- Mathematics Colloquium, Caltech, Pasadena, CA
- Oberwolfach Meeting on Combinatorics, Oberwolfach, Germany

2013

- Mathematics Colloquium, University of Pennsylvania, Philadelphia, PA
- ORFE Colloquium, Princeton University, Princeton, NJ
- Paris Graph Theory Day, Université Paris Diderot, Paris, France
- Women and Mathematics, IAS, Princeton
- Symposium on Visions in the Theory of Computing, UC Berkeley, CA
- McGill University workshop on graph coloring, Bellairs Research Center, Barbados
- Oberwolfach Meeting on Graph Theory, Oberwolfach, Germany

2012

- KAIST Graph Theory Day, KAIST, Daejeon, South Korea
- Columbia Theory Day, Columbia University, New York, NY
- Distinguished Lecture, School of Computing, Informatics, and Decision Systems Engineering, ASU, Tempe, AZ
- Geometry, Structure and Randomness in Combinatorics, Pisa, Italy
- Third Workshop on Graphs and Matroids, Maastricht, The Netherlands
- Joint Colloquium at the Mathematics Institute SANU and Mathematics Faculty of Belgrade University, Belgrade, Serbia
- SIAM conference on Discrete Mathematics, Halifax, Canada
- Matchings, Matroids, and Extensions, A Conference in Honor of Bill Cunningham's 65th Birthday, University of Waterloo, Waterloo, Canada

- Paul Erdős Lecture Series, University of Memphis Centennial Celebration, Memphis, TN
- Graph Theory at Georgia Tech, Georgia Tech, Atlanta, GA
- McGill University workshop on graph coloring, Bellairs Research Center, Barbados
- Workshop on χ -bounded graph classes, ENS Lyon, Lyon, France

2011

- Tutte Seminar, University of Waterloo, Ontario, Canada
- University of Connecticut Mathematics Department Colloquium, University of Connecticut, Storrs, CT
- KAIST Graph Theory Day 2011, KAIST, Daejeon, South Korea
- Atlanta Lecture Series in Combinatorics and Graph Theory (featured speaker), Georgia Tech, Atlanta, GA
- Fourth International Conference on Combinatorics, Graph Theory and Applications, Elgersburg, Germany
- One-Day Meeting in Combinatorics, Mathematical Institute, University of Oxford, Oxford, UK
- A conference on Structural Graph Theory, Universite Paris 7, Paris, France
- Oberwolfach Meeting on Combinatorics, Oberwolfach, Germany

2010

- Workshop on Discrete Optimization, IPAM, Los Angeles, CA
- PACM Colloquium, Princeton University, Princeton, NJ
- Conference on Geometric Graph Theory, EPFL, Lausanne, Switzerland
- Second Workshop on Graphs and Matroids, Maastricht, The Netherlands
- Minisymposium on Graph Coloring, SIAM Discrete Math meeting, Austin, TX
- Symposium "Diskrete Mathematik", Vienna, Austria

- Operations Research Center Seminar, MIT, Boston, MA
- Mathematics Colloquium, University of Calgary, Calgary, AB, Canada
- Mathematics Colloquium, University of Central Florida, Orlando, FL
- Oberwolfach Meeting on Graph Theory, Oberwolfach, Germany
- Mathematics Undergraduate Colloquium, University of Pennsylvania, Philadelphia, PA

2009

- Bertinoro Workshop on Algorithms and Graphs, Bertinoro, Italy
- Workshop on Topics in Graphs and Hypergraphs, IPAM, Los Angeles, CA
- Mathematics Colloquium, University of Buenos Aires, Buenos Aires, Argentina
- Mathematics Colloquium, Technion, Haifa, Israel
- 2009 AMS Spring Central Sectional Meeting, Special Session on Graph Theory, UIUC, Champaign, IL
- Everett Pitcher Lecture Series, Lehigh University, Bethlehem, PA
- 13th Combinatorial Optimization Workshop, Aussois, France
- Invited MAA address at the 2009 Joint Mathematics Meetings, Washington, DC

2008

- The Fourth International Conference on Combinatorial Mathematics and Combinatorial Computing, Auckland, New Zealand
- BIRS workshop on Graph Minors, Banff, Canada
- Graph Theory 2008 at Sandbjerg Manor, Denmark
- Netherlands Workshop on Graphs and Matroids, Sittard, The Netherlands
- Princeton/Oxford Meeting, Oxford University, Oxford, England
- Workshop on Combinatorial Optimization and Discrete Algorithms, RIMS, Kyoto, Japan

- New Directions in Algorithms, Combinatorics, and Optimization, Georgia Institute of Technology, Atlanta, GA
- Mathematics Colloquium, Haifa University, Haifa, Israel
- Joint Mathematics and IME Colloquium, WMU, Kalamazoo, MI
- Mathematics Colloquium, Brigham Young University, Provo, Utah
- 3eme cycle romand de Recherche Operationnelle, Zinal, Switzerland
- Oberwolfach Meeting on Combinatorics, Oberwolfach, Germany

2007

- Joint Meeting of the AMS - NZMS 2007, Victoria University, Wellington, New Zealand
- IV Latin-American Graphs Algorithms and Optimization, Puerto Varas, Chile
- The ADONET-CIRM School on Graphs and Algorithms, Levico Terme, Italy
- Combinatorics Seminar, CUNY Graduate Center, New York, NY
- Princeton Discrete Math Seminar, Princeton, NJ
- 21st British Combinatorial Conference, Reading, UK
- *C&O@40*, University of Waterloo, Waterloo, ON, Canada
- 20th Cumberland Conference, Emory University, Atlanta, GA
- Oberwolfach Meeting on Graph Theory, Oberwolfach, Germany
- ACM-SIAM Symposium on Discrete Algorithms (SODA), New Orleans, LA

2006

- Combinatorics Seminar, University of Michigan, Ann Arbor, MI
- Discrete Mathematics and Theoretical Computer Science Seminar, Yale University, New Haven, CT
- CS Colloquium, City University of New York, New York, NY
- 2nd Annual Heilbronn Conference, Bristol, UK

- CS Colloquium, New York University, New York, NY
- 19th International Symposium on Mathematical Programming, Rio de Janeiro, Brazil
- SIAM Conference on Discrete Mathematics, Victoria, BC
- Sixth Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, University of Haifa, Haifa, Israel
- Theory of Computing Seminar, The Hebrew University at Jerusalem, Jerusalem, Israel
- Bar Ilan University Discrete Math Seminar, Israel
- Discrete Math Seminar, The Hebrew University at Jerusalem, Jerusalem, Israel
- Discrete Math and Theory of Computing Seminar, Rutgers University, Piscataway, NJ
- Joint SFU/UBC Discrete Mathematics Computing Science Seminar, Vancouver, BC, Canada
- Theory of combinatorial algorithms mittagseminar, ETH, Zurich, Switzerland
- Oberwolfach Meeting on Combinatorics, Oberwolfach, Germany

2005

- Workshop on Graph Classes, Width Parameters and Optimization, Prague, The Czech Republic
- 7th International Colloquium on Graph Theory ICGT '05, Giens, France
- Combinatorics Seminar, UC Berkeley, Berkeley, CA
- Mathematics Colloquium UC Berkeley, Berkeley, CA
- Combinatorial Mathematics and its Applications, Oxford, England
- Princeton/Oxford Meeting, Oxford University, Oxford, England
- Mathematics Colloquium, The Ohio State University, Columbus, OH
- 49th Graph Theory Day, Shirley, NY
- MAA annual meeting, Metropolitan New York Section, Queens, NY
- Workshop on Combinatorics and Telecommunications, Icapui, Ceara, Brazil

- Computer Science/Discrete Mathematics Seminar, IAS, Princeton, NJ
- 9th Combinatorial Optimization Workshop, Aussois, France
- CAM Colloquium, Cornell University, Ithaca, NY
- Oberwolfach Meeting on Graph Theory, Oberwolfach, Germany
- Algorithms seminar, McGill University, Montreal, Canada

2004

- Joint conference: the 2004 NZIMA Conference in Combinatorics and its Applications and the 29th Australasian Conference in Combinatorial Mathematics and Combinatorial Computing, Lake Taupo, New Zealand
- Combinatorics Seminar, University of Pennsylvania, Philadelphia, PA
- ACCOTA 2004 International Workshop, Combinatorial and Computational Aspects of Optimization, Topology and Algebra, San Cristobal de las Casas, Chiapas, Mexico
- Tenth annual Big Sky Conference on Discrete Mathematics, Missoula, MN
- Latin American Conference on Combinatorics, Graphs and Applications, Santiago, Chile
- Prague Midsummer Combinatorial Workshop XI, Prague, Czech Republic
- Graph Theory 2004 conference in memory of Claude Berge, Paris, France
- SIAM Conference on Discrete Mathematics, Nashville, TN
- Computer Science Colloquium, University of Haifa, Haifa, Israel
- Mathematics Colloquium, The Technion, Haifa, Israel
- Fourth Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, University of Haifa, Haifa, Israel
- France-Israel Expert Workshop on Graph Classes and Graph Algorithms, University of Haifa, Haifa, Israel
- Computer Science/ Discrete Math Seminar, IAS, Princeton, NJ
- Combinatorics Seminar, LaPCS, Université Claude Bernard Lyon 1, Lyon, France

- Oberwolfach Meeting on Combinatorics, Oberwolfach, Germany

2003

- Advances in Graph and Matroid Theory, The Ohio State University, Columbus, OH
- DIMACS Mixer Series, Princeton, NJ
- Princeton/Oxford Meeting, Oxford University, Oxford, England
- Combinatorics, Probability and Algorithms, Centre de recherches mathématiques, Université de Montréal, Montréal, Canada
- Combinatorics Seminar, Tel-Aviv University, Tel-Aviv, Israel
- Spring School on Combinatorics, Topology and Convexity at the Institute for Advanced Study, The Hebrew University at Jerusalem, Jerusalem, Israel
- Erdos Lecture, The Hebrew University at Jerusalem, Jerusalem, Israel
- Special Colloquium, Haifa University, Haifa, Israel
- CMI Research Academy, Clay Mathematics Institute, Cambridge, MA
- Combinatorics Seminar, University of Pennsylvania, Philadelphia, PA
- CS Theory Seminar, Department of Computer Science, Princeton, NJ
- ACO Colloquium, Georgia Institute of Technology, Atlanta, GA
- Tenth Workshop on Applied/Advanced Research in Combinatorial Optimization, University of Southern Denmark, Odense, Denmark
- Oberwolfach Meeting on Graph Theory, Oberwolfach, Germany
- Tutte Seminar, University of Waterloo, Ontario, Canada

2002

- ACCOTA 2002 International Workshop, Combinatorial and Computational Aspects of Optimization, Topology and Algebra, San Cristobal de las Casas, Chiapas, Mexico
- 2nd Columbia Optimization Day, Advances in Optimization, Columbia University, New York, NY

- ARCC Workshop on The Perfect Graph Conjecture, American Institute of Mathematics, Palo Alto, CA
- The Joint ALADDIN/Theory/Operations Research Seminar, Carnegie Mellon University, Pittsburgh, PA
- Discrete Math/Theory of Computing Seminar, Rutgers University, Piscataway, NJ
- Combinatorics and Number Theory Seminar, SUNY at Binghamton
- A Conference on Matroid Structure Theory in Honour of W.T. Tutte, The Ohio State University
- CS Theory Seminar, Department of Computer Science, Princeton
- Oberwolfach Meeting on Geometric Convex Combinatorics, Oberwolfach, Germany
- Discrete Mathematics Day at Dartmouth College

2001

- Courant Institute Geometry Seminar, NYU, New York, NY
- Princeton Discrete Math Seminar, Princeton, NJ
- Sectional meeting of AMS, April 28-29, 2001
Session on matchings in graphs and hypergraphs

2000

- Bar Ilan University Discrete Math Seminar, Israel
- The Technion Discrete Math Seminar, Israel