

Curriculum Vitae

Name: Dan Hefetz
Work address: School of Computer Science
Ariel University
Ariel 40700
Israel

Education

- 1999 BSc (Magna Cum Laude) in Mathematics and Computer Science, Tel Aviv University, Israel.
2003 MSc (Summa Cum Laude), School of Computer Science, Tel Aviv University, Israel.
Supervisor: Prof. Michael Tarsi.
Thesis title: On the product of n linearly independent linear functions in n variables.
2008 PhD, School of Computer Science, Tel Aviv University, Israel.
Supervisor: Prof. Michael Krivelevich; co-supervisor: Prof. Noga Alon.
Thesis title: Positional games on graphs.

Employment History

- Since Nov 2025 Full Professor, Department of Computer Science,
Ariel University, Israel.
May 2017 – Nov 2025 Associate Professor, Department of Computer Science,
Ariel University, Israel.
Oct 2016 – May 2017 Senior Lecturer, Department of Computer Science,
Ariel University, Israel.
Oct 2015 – Sep 2016 Visiting Researcher, School of Mathematical Sciences,
Tel Aviv University, Israel.
June 2015 – Sep 2016 Visiting Researcher, School of Computer Science and Engineering,
The Hebrew University of Jerusalem, Israel.
Sep 2011 – May 2015 Lecturer in Pure Mathematics (tenured since June 2014),
School of Mathematics, University of Birmingham, United Kingdom.
Dec 2010 – Aug 2011 Postdoctoral Researcher, School of Mathematical Sciences,
Queen Mary University of London, United Kingdom.
Oct 2010 – Nov 2010 Visiting Researcher, School of Mathematical Sciences,
Tel Aviv University, Israel.
July 2008 – June 2010 Postdoctoral Researcher at the Combinatorial Structures and Algorithms
Group, ETH Zürich, Switzerland.
July 2007 – June 2008 Academic visitor at the Combinatorial Structures and Algorithms Group,
ETH Zürich, Switzerland.

Professional activities

- Organizer of a mini-symposium on randomly perturbed (hyper)graphs at the SIAM conference on Discrete Mathematics (joint with Elad Aigner-Horev and Ryan Martin), Carnegie Mellon University, Pittsburgh, USA, 2022.
- Organizer of the Discrete Mathematics and Theoretical Computer Science session of the Annual virtual Meeting of the Israel Mathematical Union (joint with Esther Ezra), 2020.
- Organizer of an Oberwolfach mini-workshop on Positional Games (joint with Michael Krivelevich, Miloš Stojaković and Tibor Szabó), Oberwolfach, Germany, 2018.
- Organizer of a mini-symposium on Positional Games at the SIAM conference on Discrete Mathematics (joint with Michael Krivelevich), Minneapolis, Minnesota, USA, 2014.
- Organizer of an LMS-EPSRC Short Course on Random Graphs, Geometry and Asymptotic Structure (joint with Nikolaos Fountoulakis), Birmingham, UK, 2013.
- Organizer of an Oberwolfach seminar on Positional Games (joint with Michael Krivelevich, Miloš Stojaković and Tibor Szabó), Oberwolfach, Germany, 2013.
- Referee of grant proposals.
- Internal and external examiner for PhD theses.
- Referee for Mathematical Reviews.
- Referee for dozens of scientific journals.

Educational activities

Courses taught

- Discrete Mathematics, Ariel University, 2020.
- Positional Games, Ariel University, 2017.
- Probability Theory for Computer Science 1, Ariel University, 2017–2025.
- Seminar in Computer Science, Ariel University, 2017–2018, 2021, 2025.
- Probability Theory for Computer Science 2, Ariel University, 2016–2025.
- Introduction to distributed systems, Ariel University, 2016–2020.
- Communication Theory, University of Birmingham, 2014.
- Impact of Mathematics, University of Birmingham, 2012–2013.
- Combinatorics, University of Birmingham, 2012–2013.
- Seminar on Randomized Algorithms and Probabilistic Methods, ETH Zürich, 2010.
- Graphs & Algorithms, ETH Zürich, 2009–2010 (joint with Angelika Steger).
- Graphs & Algorithms: Advanced topics, ETH Zürich, 2008–2009, (joint with Angelika Steger).
- Algebraic methods in Combinatorics, ETH Zürich, 2008 (joint with Uli Wagner).
- Advanced topics in Discrete Mathematics seminar, ETH Zürich, 2008.
- Random Graphs, ETH Zürich, 2008.
- Seminar on Positional Games, Tel Aviv University, 2006.
- Discrete Mathematics, Tel Aviv University, 2004–2006.
- Introduction to Logic and Set Theory, Academic College of Tel Aviv Yaffo, 2001–2005.
- Discrete Mathematics, Academic College of Tel Aviv Yaffo, 2001–2006.
- Linear Algebra, Academic College of Tel Aviv Yaffo, 2001.
- Introduction to Probability Theory, Open University of Israel, 2000.
- Calculus 1, Open University of Israel, 2000.

Research students

- Annina Saluz, Bachelor thesis, ETH Zürich, 2008.
Thesis topic: An application of the Combinatorial Nullstellensatz to a graph labeling problem.
- Sebastian Stich, Bachelor thesis, ETH Zürich, 2008.
Thesis topic: On two problems regarding the Hamilton cycle game.
- Huong Thi Thu Tran, Internship student, ETH Zürich, 2008.
Thesis topic: An application of the Combinatorial Nullstellensatz to a graph labeling problem.
- Prakash Srivastava, Internship student (joint with Thomas Rast), ETH Zürich, 2009.
Thesis topic: Edge weights vertex coloring.
- Timothy Baker, MSci thesis, University of Birmingham, 2013.
Thesis topic: Turán numbers of graphs.
- Matthew Ludkin, MSci thesis, University of Birmingham, 2013.
Thesis topic: List colourings of graphs.
- Pavan Sangha, MRes thesis, University of Birmingham, 2014.
Thesis topic: An introduction to the theory of random graphs.
- Peter Dillow, MSci thesis, University of Birmingham, 2014.
Thesis topic: Topics in positional games.
- Mykhaylo Tyomkyn, Postdoctoral Research Fellow, University of Birmingham, 2014.
- Allan Cunningham, MSci thesis, University of Birmingham, 2015.
Thesis topic: Avoider-Enforcer games.
- Joel Bryce, MSci thesis, University of Birmingham, 2015.
Thesis topic: Waiter-Client and Client-Waiter games.
- Wei En Tan, PhD thesis, University of Birmingham, 2017 (joint with Will Perkins and Daniela Kühn).
Thesis topic: Waiter-Client and Client-Waiter games.
- Yael Sabato, MSc thesis, Ariel University, 2018.
Thesis topic: Global Waiter-Client and Client-Waiter Games on Sparse Graphs.
- Oran Danon, MSc thesis, Ariel University, 2021 (joint with Elad Horev).
Thesis topic: Anti-Ramsey properties of randomly perturbed dense graphs.
- Abhiruk Lahiri, Postdoctoral Research Fellow, Ariel University, 2020–2021.
- Ilana Shuchman, MSc thesis, Ariel University, 2022 (joint with Elad Horev).
Thesis topic: Large complete minors in randomly perturbed graphs.
- Michael Trushkin, MSc thesis, Ariel University, 2023 (joint with Elad Horev).
Thesis topic: Smooth analysis of the Komlós Conjecture: Rademacher noise.
- Shani Shuv, MSc thesis, Ariel University, 2024 (joint with Elad Horev).
Thesis topic: Domatic partitions of graphs.
- Amir Sabag, MSc thesis, Ariel University, 2025 (joint with Elad Horev).
Thesis topic: Rank resilience of Bernoulli matrices.
- Michael Trushkin, PhD thesis, Ariel University, in progress (joint with Elad Horev).

Awards

- 2013 Research Development Award, University of Birmingham
(jointly with all members of the Combinatorics group).
- 2007 The Deutsch prize for excellence in PhD studies, School of Computer Science,
Tel Aviv University.

Scientific Publications

Authored Books

- (1) D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, **Positional Games**, Oberwolfach Seminars 44, Birkhäuser, 2014.

Editorship of collective volumes

- (1) M. Krivelevich, K. Panagiotou, M. Penrose and C. McDiarmid, **Random Graphs, Geometry and Asymptotic Structure** (London Mathematical Society Student Texts), edited by N. Fountoulakis and D. Hefetz, Cambridge University Press, 2016.

Refereed articles in scientific journals

- (1) D. Hefetz, Anti-magic graphs via the Combinatorial Nullstellensatz, *Journal of Graph Theory* 50(4) (2005), 263–272.
- (2) D. Hefetz, M. Krivelevich and T. Szabó, Avoider-Enforcer games, *Journal of Combinatorial Theory Ser. A* 114 (2007), 840–853.
- (3) D. Hefetz, M. Krivelevich and T. Szabó, Bart-Moe games, JumbleG and Discrepancy, *European Journal of Combinatorics* 28(4) (2007), 1131–1143.
- (4) D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, Planarity, colorability and minor games, *SIAM Journal on Discrete Mathematics* 22(1) (2008), 194–212.
- (5) D. Hefetz, M. Krivelevich and T. Szabó, Hamilton cycles in highly connected and expanding graphs, *Combinatorica* 29(5) (2009), 547–568.
- (6) D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, Fast winning strategies in Maker-Breaker games, *Journal of Combinatorial Theory Ser. B* 99 (2009), 39–47.
- (7) D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, A sharp threshold for the Hamilton cycle Maker-Breaker game, *Random Structures and Algorithms* 34 (2009), 112–122.
- (8) D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, Fast winning strategies in Avoider-Enforcer games, *Graphs and Combinatorics* 25 (2009), 533–544.
- (9) D. Hefetz and S. Stich, On two problems regarding the Hamilton cycle game, *The Electronic Journal of Combinatorics* 16(1) 2009, R28.
- (10) D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, Avoider-Enforcer: The rules of the game, *Journal of Combinatorial Theory Ser. A* 117 (2010), 152–163.
- (11) D. Hefetz, T. Mütze and J. Schwartz, On Antimagic directed graphs, *Journal of Graph Theory* 64(3) (2010), 219–232.
- (12) N. Alon, D. Hefetz and M. Krivelevich, Playing to retain the advantage, *Combinatorics, Probability and Computing* 19(4) (2010), 481–491.
- (13) D. Hefetz, A. Saluz and H. T. T. Tran, An application of the Combinatorial Nullstellensatz to a graph labeling problem, *Journal of Graph Theory* 65(1) (2010), 70–82.
- (14) D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, Global Maker-Breaker games on sparse graphs, *European Journal of Combinatorics* 32 (2011), 162–177.
- (15) A. Ferber and D. Hefetz, Winning strong games through fast strategies for weak games, *The Electronic Journal of Combinatorics* 18(1) 2011, P144.
- (16) D. Hefetz, On two generalizations of the Alon-Tarsi polynomial method, *Journal of Combinatorial Theory Ser. B* 101(6) (2011), 403–414.
- (17) S. Ben-Shimon, A. Ferber, D. Hefetz and M. Krivelevich, Hitting time results for Maker-Breaker games, *Random Structures and Algorithms* 41 (2012), 23–46.

-
- (18) A. Ferber, D. Hefetz and M. Krivelevich, Fast embedding of spanning trees in biased Maker-Breaker games, *European Journal of Combinatorics* 33 (2012), 1086–1099.
 - (19) D. Hefetz, M. Mikalački and M. Stojaković, Doubly biased Maker-Breaker Connectivity game, *The Electronic Journal of Combinatorics* 19 2012, P61.
 - (20) D. Hefetz, M. Krivelevich and T. Szabó, Sharp threshold for the appearance of certain spanning trees in random graphs, *Random Structures and Algorithms* 41 (2012), 391–412.
 - (21) D. Hefetz and P. Keevash, A hypergraph Turán theorem via lagrangians of intersecting families, *Journal of Combinatorial Theory Ser. A* 120 (2013), 2020–2038.
 - (22) A. Ferber and D. Hefetz, Weak and strong k -connectivity games, *European Journal of Combinatorics* 35 (2014), 169–183 (special issue of EuroComb11).
 - (23) D. Hefetz, D. Kühn, J. Lapinskas and D. Osthus, Optimal covers with Hamilton cycles in random graphs, *Combinatorica* 34 (2014), 573–596.
 - (24) D. Clemens, A. Ferber, R. Glebov, D. Hefetz and A. Liebenau, Building spanning trees quickly in Maker-Breaker games, *SIAM Journal on Discrete Mathematics* 29 (3) (2015), 1683–1705.
 - (25) D. Hefetz, M. Krivelevich, A. Naor and M. Stojaković, On saturation games, *European Journal of Combinatorics* 41 (2016), 315–335.
 - (26) D. Hefetz, M. Krivelevich and W. E. Tan, Waiter-Client and Client-Waiter planarity, colorability and minor games, *Discrete Mathematics* 339 (2016), 1525–1536.
 - (27) M. Bednarska-Bzdęga, D. Hefetz and T. Łuczak, Picker-Chooser fixed graph games, *Journal of Combinatorial Theory Ser. B* 119 (2016), 122–154.
 - (28) D. Hefetz and M. Tyomkyn, Universality of graphs with few triangles and anti-triangles, *Combinatorics, Probability and Computing* 25(4) (2016), 560–576.
 - (29) D. Hefetz, A. Steger and B. Sudakov, Random directed graphs are robustly Hamiltonian, *Random Structures and Algorithms* 49(2) (2016), 345–362.
 - (30) M. Bednarska-Bzdęga, D. Hefetz, M. Krivelevich and T. Łuczak, Manipulative waiters with probabilistic intuition, *Combinatorics, Probability and Computing* 25(6) (2016), 823–849.
 - (31) S. Gilboa and Dan Hefetz, On degree anti-Ramsey numbers, *European Journal of Combinatorics* 60 (2017), 31–41.
 - (32) D. Hefetz, M. Krivelevich and W. E. Tan, Waiter-Client and Client-Waiter Hamiltonicity games on random graphs, *European Journal of Combinatorics* 63 (2017), 26–43.
 - (33) D. Hefetz, C. Kusch, L. Narins, A. Pokrovskiy, C. Requilé and A. Sarid, Strong Ramsey Games: Drawing on an infinite board, *Journal of Combinatorial Theory Ser. A* 150 (2017), 248–266.
 - (34) R. Aharoni, N. Alon, M. Amir, P. Haxell, D. Hefetz, Z. Jiang, G. Kronenberg and A. Naor, Ramsey-nice families of graphs, *European Journal of Combinatorics* 72 (2018), 29–44.
 - (35) D. Hefetz and M. Tyomkyn, On the inducibility of cycles, *Journal of Combinatorial Theory Ser. B* 133 (2018), 243–258.
 - (36) O. Ben-Eliezer, D. Hefetz, G. Kronenberg, O. Parczyk, C. Shikhelman and M. Stojaković, Semi-random graph process, *Random Structures and Algorithms* 56(3) (2020), 648–675.
 - (37) N. Alon, D. Hefetz, M. Krivelevich and M. Tyomkyn, Edge-statistics on large graphs, *Combinatorics, Probability and Computing* 29(2) (2020), 163–189.
 - (38) O. Ben-Eliezer, L. Gishboliner, D. Hefetz and M. Krivelevich, Very fast construction of bounded-degree spanning graphs via the semi-random graph process, *Random Structures and Algorithms* 57(4) (2020), 892–919.
 - (39) E. Aigner-Horev and D. Hefetz, Rainbow Hamilton cycles in randomly coloured randomly perturbed dense graphs, *SIAM Journal on Discrete Mathematics* 35(3) (2021), 1569–1577.
 - (40) E. Aigner-Horev, O. Danon, D. Hefetz and S. Letzter, Small rainbow cliques in randomly perturbed dense graphs, *European Journal of Combinatorics* 101 (2022), 103452.

-
- (41) E. Aigner-Horev, O. Danon, D. Hefetz and S. Letzter, Large rainbow cliques in randomly perturbed dense graphs, *SIAM Journal on Discrete Mathematics* 36(4) (2022), 2975–2994.
 - (42) S. Gilboa, R. Glebov, D. Hefetz, N. Linial and A. Morgenstern, On the local structure of oriented graphs – a case study in flag algebras, *The Electronic Journal of Combinatorics* 29(3) (2022), P3.39.
 - (43) S. Gilboa and D. Hefetz, Semi-random process without replacement, *Journal of Combinatorics* 14(2) (2023), 167–196.
 - (44) E. Aigner-Horev, D. Hefetz and A. Lahiri, Rainbow trees in uniformly edge-coloured graphs, *Random Structures and Algorithms* 62(2) (2023), 287–303.
 - (45) E. Aigner-Horev, D. Hefetz and M. Krivelevich, Cycle lengths in randomly perturbed graphs, *Random Structures and Algorithms* 63 (4) (2023), 867–884.
 - (46) E. Aigner-Horev, D. Hefetz and M. Krivelevich, Minors, connectivity, and diameter in randomly perturbed sparse graphs, *European Journal of Combinatorics* 127 (2025), 104152.
 - (47) E. Aigner-Horev, D. Hefetz and M. Trushkin, Smoothed analysis of the Komlos Conjecture: Rademacher noise, *The Electronic Journal of Combinatorics* 32(1) 2025, P1.52.
 - (48) D. Hefetz and M. Krivelevich, Colouring graphs from random lists, *Random Structures and Algorithms* 66(1) (2025), e21278.
 - (49) D. Hefetz and M. Krivelevich, The Hamilton cycle space of random graphs, submitted.
 - (50) D. Hefetz and M. Krivelevich, The Hamilton cycle space of random regular graphs and randomly perturbed graphs, submitted.
 - (51) E. Aigner-Horev, D. Hefetz, and M. Trushkin, Smoothed Analysis in Compressed Sensing, submitted.

Refereed Conference Publications

- (1) D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, Fast winning strategies in positional games, *Proceedings of the European Conference on Combinatorics, Graph Theory and Applications (EuroComb07)*, *Electronic Notes in Discrete Mathematics* 29 (2007), 213–217.
- (2) D. Hefetz, M. Krivelevich, M. Stojaković and T. Szabó, Avoider-Enforcer: The rules of the game, *Proceedings of the European Conference on Combinatorics, Graph Theory and Applications (EuroComb09)*, *Electronic Notes in Discrete Mathematics* 34 (2009), 261–265.
- (3) N. Alon, D. Hefetz and M. Krivelevich, Playing to retain the advantage, *Proceedings of the European Conference on Combinatorics, Graph Theory and Applications (EuroComb09)*, *Electronic Notes in Discrete Mathematics* 34 (2009), 423–427.
- (4) S. Ben-Shimon, A. Ferber, D. Hefetz and M. Krivelevich, Hitting time results for Maker-Breaker games, *Proceedings of the 22nd ACM-SIAM Symposium on Discrete Algorithms (SODA’11)*, 900–912, 2011.
- (5) A. Ferber, D. Hefetz and M. Krivelevich, Fast embedding of spanning trees in biased Maker-Breaker games, *Proceedings of the European Conference on Combinatorics, Graph Theory and Applications (EuroComb11)*, *Electronic Notes in Discrete Mathematics* 38 (2011), 331–336.
- (6) D. Hefetz, F. Kuhn, Y. Maus and A. Steger, Polynomial Lower Bound for Distributed Graph Coloring in a Weak LOCAL Model *Proceedings of the 30th International Symposium on Distributed Computing (DISC16)*, *Lecture Notes in Computer Science* (2016), 99–113. Winner of Best Paper Award.
- (7) D. Hefetz and M. Tyomkyn, On the inducibility of cycles, *Proceedings of the European Conference on Combinatorics, Graph Theory and Applications (EuroComb17)*, *Electronic Notes in Discrete Mathematics* 61 (2017), 593–599.

-
- (8) D. Hefetz, O. Kupferman, A. Lellouche and G. Vardi, Spanning tree games, 43rd International Symposium on Mathematical Foundations of Computer Science (MFCS18), 35:1–35:16.
 - (9) O. Ben-Eliezer, L. Gishboliner, D. Hefetz and M. Krivelevich, Very fast construction of bounded-degree spanning graphs via the semi-random graph process, *Proceedings of the 31st ACM-SIAM Symposium on Discrete Algorithms* (SODA'20), 718–737, 2020.
 - (10) E. Aigner-Horev, D. Hefetz and M. Schacht, Ramsey properties of randomly perturbed hypergraphs, *In Approximation, Randomization, and Combinatorial Optimization. Algorithms and Techniques (APPROX/RANDOM 2024)*. Leibniz International Proceedings in Informatics (LIPIcs) 317 (2024), 59:1–59:18.

Lectures and presentations

Invited plenary lectures

- Keynote speaker at the second Joint Free University of Berlin – Tel Aviv University Workshop on Positional Games and Extremal Combinatorics, Berlin, Germany, 2016.
- Keynote speaker at the Novi Sad Workshop on Foundations of Computer Science (NSFOCS), Novi Sad, Serbia, 2015.
- Keynote speaker at the Joint Free University of Berlin – Tel Aviv University Workshop on Positional Games and Extremal Combinatorics, Tel Aviv, Israel, 2015.
- Keynote speaker at the Two One-Day Colloquia in Combinatorics, Queen Mary University of London and London School of Economics and Political Science, United Kingdom, 2013.
- Keynote speaker at the 4th Emléktábla Workshop, Budapest and Tihany, Hungary, 2012.

Presentation of papers at conferences/meetings

- Workshop Random Graphs, TU Dortmund, Germany, 2023.
- The annual meeting of the Israel Mathematical Union, Ben-Gurion University of the Negev, Israel, 2021.
- The second Novi Sad Workshop on Foundations of Computer Science (NSFOCS2017), Novi Sad, Serbia, 2017.
- The annual meeting of the Israel Mathematical Union, Akko, Israel, 2017.
- Joint Free University of Berlin – Tel Aviv University Research Workshop on Graph and Hypergraph Coloring, Tel Aviv, Israel, 2017.
- SIAM conference on Discrete Mathematics, Minneapolis, Minnesota, USA, 2014.
- CMI workshop on Extremal and Probabilistic Combinatorics, Oxford, UK, 2014.
- Eurandom workshop on Probability and Graphs, Eindhoven, Netherlands, 2014.
- EuroComb 2013: European Conference on Combinatorics, Graph Theory and Applications, Pisa, Italy, 2013.
- The 16th International Conference on Random Structures and Algorithms, Poznan, Poland, 2013.
- Workshop on Extremal and Probabilistic Combinatorics, UCLA, USA, 2013.
- BIRS workshop on New Trends and Directions in Combinatorics, Banff, Alberta, Canada, 2012.
- Workshop on Discrete Mathematics: Methods, Challenges and Applications, Eilat Israel, 2012.
- EuroComb 2011: European Conference on Combinatorics, Graph Theory and Applications, Budapest, Hungary, 2011.
- The 3rd biennial Canadian Discrete and Algorithmic Mathematics Conference (CanaDAM), Victoria, BC, Canada, 2011.
- The 15th International Conference on Random Structures and Algorithms, Atlanta, Georgia, 2011.
- Mini colloquium on Combinatorics, Grenoble, France, 2009.
- EuroComb 2009: European Conference on Combinatorics, Graph Theory and Applications, Bordeaux, France, 2009.

-
- The 14th International Conference on Random Structures and Algorithms, Poznan, Poland, 2009.
 - Fete of Combinatorics and Computer Science, Keszthely, Lake Balaton, Hungary, 2008.
 - The 13th International Conference on Random Structures and Algorithms, Tel Aviv, Israel, 2007.
 - Mini-Workshop on Positional Games, Mathematisches Forschungsinstitut, Oberwolfach, Germany, 2007.
 - Horizon of Combinatorics, Lake Balaton, Hungary 2006.
 - 6th Czech-Slovak International Symposium on Combinatorics, Graph Theory, Algorithms and Applications (Dedicated to Jarik Nesetril on his 60th birthday), Prague 2006.
 - Annual Conference of the Israel Mathematical Union, Neve Ilan, Israel, 2006.
 - Bertinoro workshop on Erdős magic in algorithms and games, Bertinoro, Italy, 2005.

Seminar presentations at universities and institutions

- Combinatorics seminar, Technion, Israel, 2024.
- Combinatorics seminar, Tel Aviv University, Israel, 2024.
- Combinatorics seminar, the Hebrew University, Jerusalem, Israel, 2024.
- Combinatorics seminar, Tel Aviv University, Israel, 2022.
- Combinatorics seminar, the Hebrew University, Jerusalem, Israel, 2020.
- Combinatorics seminar, Bar Ilan University, Israel, 2019.
- Combinatorics seminar, Tel Aviv University, Israel, 2019.
- Theory seminar, Ariel University, Ariel, Israel, 2019.
- Combinatorics seminar, Tel Aviv University, Israel, 2018.
- Theory seminar, Ariel University, Ariel, Israel, 2016.
- Combinatorics seminar, Tel Aviv University, Israel, 2015.
- Combinatorics seminar, the Hebrew University, Jerusalem, Israel, 2015.
- Mathematics Colloquium, Ben-Gurion University of the Negev, Israel, 2014.
- Probability seminar, Bar Ilan University, Israel, 2014.
- Combinatorics seminar, University of Warwick, United Kingdom, 2014.
- Combinatorics seminar, Tel Aviv University, Israel, 2013.
- Combinatorics seminar, University of Cambridge, United Kingdom, 2013.
- Combinatorics seminar, University of Oxford, United Kingdom, 2013.
- Combinatorics seminar, Technion - Israel Institute of Technology, Haifa Israel, 2011.
- Pure Mathematics seminar, Royal Holloway University of London, United Kingdom, 2011.
- Combinatorics Study Group, Queen Mary University of London, United Kingdom, 2011.
- Combinatorics Study Group, Queen Mary University of London, United Kingdom, 2010.
- CDAM Seminar on Discrete and Applicable Mathematics, London School of Economics, United Kingdom, 2010.
- Combinatorics seminar, Tel Aviv University, Israel, 2010.
- Mathematics Colloquium, Haifa University, Haifa Israel, 2009.
- Mathematics Colloquium, Technion - Israel Institute of Technology, Haifa Israel, 2009.
- Foundations of Computer Science Seminar, The Weizmann Institute of Science, Israel, 2009.
- Combinatorics seminar, the Hebrew University, Jerusalem, Israel, 2009.
- Discrete Mathematics and Optimization Seminar, McGill University, Montréal, Canada, 2009.
- Computer Science Colloquium, Bar Ilan University, Israel, 2008.
- Computer Science Colloquium, Ben-Gurion University of the Negev, Israel, 2008.
- Combinatorics seminar, Tel Aviv University, Israel, 2008.
- Mittagsseminar, Institute of Theoretical Computer Science, Swiss Federal Institute of Technology (ETH), Zürich, Switzerland, 2008.
- Mittagsseminar, Institute of Theoretical Computer Science, Swiss Federal Institute of Technology (ETH), Zürich, Switzerland, 2007.
- Combinatorics seminar, Tel Aviv University, Israel, 2007.
- Mittagsseminar, Institute of Theoretical Computer Science, Swiss Federal Institute of Technology (ETH), Zürich, Switzerland, 2006.

-
- Combinatorics seminar, Tel Aviv University, Israel, 2005.
 - Mittagsseminar, Institute of Theoretical Computer Science, Swiss Federal Institute of Technology (ETH), Zürich, Switzerland, 2005.

Grants

2018 – 2022 Israel Science Foundation grant 822/18 (PI: 246,300 \$).
2013 – 2015 EPSRC first grant (PI: 177,044 \$).
2012 EPSRC Institutional Sponsorship Fund (PI: 19,000 \$).