

Publications of Yuval Emek

(with links to papers)¹

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Journals

1. Michael Elkin, Yuval Emek, Daniel A. Spielman, and Shang-Hua Teng.
[Lower-Stretch Spanning Trees](#).
SIAM Journal on Computing (SICOMP) 38(2):608–628, 2008.
(Journal version of conference paper [2](#).)
2. Yuval Emek and David Peleg.
[Approximating Minimum Max-Stretch Spanning Trees on Unweighted Graphs](#).
SIAM Journal on Computing (SICOMP) 38(5):1761–1781, 2008.
(Journal version of conference paper [1](#).)
3. Yuval Emek, Leszek Gasieniec, Erez Kantor, Andrzej Pelc, David Peleg, and Chang Su.
[Broadcasting Time in UDG Radio Networks with Unknown Topology](#).
Distributed Computing (DistComp) 21(5):331–351, 2009.
(Journal version of conference paper [4](#).)
4. Yuval Emek and David Peleg.
[A Tight Upper Bound on the Probabilistic Embedding of Series-Parallel Graphs](#).
SIAM Journal on Discrete Mathematics (SIDMA) 23(4):1827–1841, 2009.
(Journal version of conference paper [3](#).)
5. Yuval Emek, David Peleg, and Liam Roditty.
[A Near-Linear Time Algorithm for Computing Replacement Paths in Planar Directed Graphs](#).
ACM Transactions on Algorithms (TALG) 6(4), 2010.
(Journal version of conference paper [5](#).)
6. Yuval Emek, Pierre Fraigniaud, Amos korman, and Adi Rosen.
[On the Additive Constant of the \$k\$ -Server Work Function Algorithm](#).
Information Processing Letters (IPL) 110(24):1120–1123, 2010.
(Journal version of conference paper [10](#).)
7. Yuval Emek.
 [\$k\$ -Outerplanar Graphs, Planar Duality, and Low Stretch Spanning Trees](#).
Algorithmica 61(1):141–160, 2011.
(Journal version of conference paper [9](#).)

¹The links provided here lead to the most updated versions of the corresponding papers.

8. Yuval Emek, Pierre Fraigniaud, Amos Korman, and Adi Rosen.
[Online Computation with Advice.](#)
Theoretical Computer Science (TCS) 412(24):2642–2656, 2011.
(Journal version of conference paper [7.](#))
9. Yuval Emek and Amos Korman.
[New Bounds for the Controller Problem.](#)
Distributed Computing (DistComp) 24(3):177–186, 2011.
(Journal version of conference paper [11.](#))
10. Shiri Chechik, Yuval Emek, Boaz Patt-Shamir, and David Peleg.
[Sparse Reliable Graph Backbones.](#)
Information and Computation (I&C) 210, pages 31–39, 2012.
(Journal version of conference paper [14.](#))
11. Chen Avin, Yuval Emek, Erez Kantor, Zvi Lotker, David Peleg, and Liam Roditty.
[SINR Diagrams: Convexity and Its Applications in Wireless Networks.](#)
Journal of the ACM (JACM), 59(4):18:1–18:34, 2012.
(Journal version of conference paper [8.](#))
12. Yuval Emek, Magnus M. Halldorsson, Yishay Mansour, Boaz Patt-Shamir, Jaikumar Radhakrishnan, and Dror Rawitz.
[Online Set Packing.](#)
SIAM Journal on Computing (SICOMP) 41(4):728–746, 2012.
(Journal version of conference paper [16.](#))
13. Noga Alon, Yuval Emek, Michal Feldman, and Moshe Tennenholtz.
[Bayesian Ignorance.](#)
Theoretical Computer Science (TCS) 452, pages 1–11, 2012.
(Journal version of conference paper [15.](#))
14. Yuval Emek and Michal Feldman.
[Computing Optimal Contracts in Combinatorial Agencies.](#)
Theoretical Computer Science (TCS) 452, pages 56–74, 2012.
(Journal version of conference paper [12.](#))
15. Noga Alon, Yuval Emek, Michal Feldman, and Moshe Tennenholtz.
[Adversarial Leakage in Games.](#)
SIAM Journal on Discrete Mathematics (SIDMA) 27(1), pages 363–385, 2013.
(Journal version of conference paper [13.](#))
16. Yuval Emek, Michal Feldman, Iftah Gamzu, Renato Paes Leme, and Moshe Tennenholtz.
[Signaling Schemes for Revenue Maximization.](#)
ACM Transactions on Economics and Computation (TEAC) 2(2):5, 2014.
(Journal version of conference paper [22.](#))

17. Noga Alon, Yuval Emek, Michal Feldman, and Moshe Tennenholtz.
[Economical Graph Discovery](#).
Operations Research (OPRE) 62(6):1236–1246, 2014.
(Journal version of conference paper [18](#).)
18. Yuval Emek, Tobias Langner, David Stolz, Jara Uitto, and Roger Wattenhofer.
[How Many Ants Does It Take To Find the Food?](#)
Theoretical Computer Science (TCS) 608, pages 255–267, 2015.
(Journal version of conference paper [30](#).)
19. Yuval Emek, Magnus M. Halldorsson, and Adi Rosen.
[Space-Constrained Interval Selection](#).
ACM Transactions on Algorithms (TALG) 12(4):51, 2016.
(Journal version of conference paper [23](#).)
20. Yuval Emek, Erez Kantor, and David Peleg.
[On the Effect of the Deployment Setting on Broadcasting in Euclidean Radio Networks](#).
Distributed Computing (DistComp) 29(6):409–434, 2016.
(Journal version of conference paper [6](#).)
21. Yuval Emek and Adi Rosen.
[Semi-Streaming Set Cover](#).
ACM Transactions on Algorithms (TALG) 13(1):6, 2016.
(Journal version of conference paper [26](#).)
22. Yuval Emek, Yaacov Shapiro, and Yuyi Wang.
[Minimum Cost Perfect Matching with Delays for Two Sources](#).
Theoretical Computer Science (TCS) 754:122–129, 2019.
(Journal version of conference paper [35](#).)
23. Yakov Babichenko, Yuval Emek, Michal Feldman, Boaz Patt-Shamir, Ron Peretz, and Rann Smorodinsky.
[Stable Secretaries](#).
Algorithmica 81(8):3136–3161, 2019.
(Journal version of conference paper [36](#).)
24. Yuval Emek and Jara Uitto.
[Dynamic Networks of Finite State Machines](#).
Theoretical Computer Science (TCS) 810:58–71, 2020.
(Journal version of conference paper [33](#).)
25. Yuval Emek, Shay Kutten, Ron Lavi, and Yangguang Shi.
[Approximating Generalized Network Design under \(Dis\)economies of Scale with Applications to Energy Efficiency](#).
Journal of the ACM (JACM) 67(1):7:1–7:33, 2020.
(Journal version of conference paper [39](#).)

26. Sebastian Brandt, Yuval Emek, Jara Uitto, and Roger Wattenhofer.
[A Tight Lower Bound for the Capture Time of the Cops and Robbers Game.](#)
Theoretical Computer Science (TCS) 829:143–163, 2020.
(Journal version of conference paper [37](#).)
27. Yuval Emek, Shay Kutten, Ron Lavi, and Yangguang Shi.
[Bayesian Generalized Network Design.](#)
Theoretical Computer Science (TCS), 841:167–185, 2020.
(Journal version of conference paper [45](#).)
28. Aya Goldshtein, Michal Handel, Ofri Eitan, Afrine Bonstein, Talia Shaler, Simon Collet, Stefan Greif, Rodrigo A. Medellín, Yuval Emek, Amos Korman, and Yossi Yovel.
[Reinforcement Learning Enables Resource Partitioning in Foraging Bats.](#)
Current Biology 30:1–7, 2020.
29. Yuval Emek, Ron Lavi, Rad Niazadeh, and Yangguang Shi.
[Stateful Posted Pricing with Vanishing Regret via Dynamic Deterministic Markov Decision Processes.](#)
To appear in Mathematics of Operations Research (MOR).
(Journal version of conference paper [52](#).)
30. Ruben Becker, Yuval Emek, Mohsen Ghaffari, and Christoph Lenzen.
[Decentralized Low Stretch Trees via Low Diameter Graph Decompositions.](#)
To appear in SIAM Journal on Computing (SICOMP).
(Journal version of conference papers [46](#) and [49](#).)

Refereed conferences

1. Yuval Emek and David Peleg.
[Approximating Minimum Max-Stretch Spanning Trees on Unweighted Graphs.](#)
In Proceedings of the 15th ACM-SIAM Symposium on Discrete Algorithms (SODA), pages 261–270, 2004.
2. Michael Elkin, Yuval Emek, Daniel A. Spielman, and Shang-Hua Teng.
[Lower-Stretch Spanning Trees.](#)
In Proceedings of the 37th ACM Symposium on Theory of Computing (STOC), pages 494–503, 2005.
(*Invited to STOC 2005's special issue in SICOMP.*)
3. Yuval Emek and David Peleg.
[A Tight Upper Bound on the Probabilistic Embedding of Series-Parallel Graphs.](#)
In Proceedings of the 17th ACM-SIAM Symposium on Discrete Algorithms (SODA), pages 1045–1053, 2006.

4. Yuval Emek, Leszek Gasieniec, Erez Kantor, Andrzej Pelc, David Peleg, and Chang Su.
[Broadcasting in UDG Radio Networks with Unknown Topology.](#)
In Proceedings of the 26th ACM Symposium on Principles of Distributed Computing (PODC), pages 195–204, 2007.
(Invited to PODC 2007’s special issue in DistComp.)
5. Yuval Emek, David Peleg, and Liam Roditty.
[A Near-Linear Time Algorithm for Computing Replacement Paths in Planar Directed Graphs.](#)
In Proceedings of the 19th ACM-SIAM Symposium on Discrete Algorithms (SODA), pages 428–435, 2008.
(Invited to SODA 2008’s special issue in TALG.)
6. Yuval Emek, Erez Kantor, and David Peleg.
[On the Effect of the Deployment Setting on Broadcasting in Euclidean Radio Networks.](#)
In Proceedings of the 27th ACM Symposium on Principles of Distributed Computing (PODC), pages 223–232, 2008.
7. Yuval Emek, Pierre Fraigniaud, Amos Korman, and Adi Rosen.
[Online Computation with Advice.](#)
In Proceedings of the 36th International Colloquium on Automata, Languages and Programming (ICALP, track A), pages (1)427–438, 2009.
(Invited to ICALP 2009’s special issue in TCS.)
8. Chen Avin, Yuval Emek, Erez Kantor, Zvi Lotker, David Peleg, and Liam Roditty.
[SINR Diagrams: Towards Algorithmically Usable SINR Models of Wireless Networks.](#)
In Proceedings of the 28th ACM Symposium on Principles of Distributed Computing (PODC), pages 200–209, 2009.
9. Yuval Emek.
[k-Outerplanar Graphs, Planar Duality, and Low Stretch Spanning Trees.](#)
In Proceedings of the 17th Annual European Symposium on Algorithms (ESA), pages 203–214, 2009.
(Invited to ESA 2009’s special issue in Algorithmica.)
10. Yuval Emek, Pierre Fraigniaud, Amos Korman, and Adi Rosen.
[On the Additive Constant of the k-Server Work Function Algorithm.](#)
In Proceedings of the 7th Workshop on Approximation and Online Algorithms (WAOA), pages 128–134, 2009.
11. Yuval Emek and Amos Korman.
[New Bounds for the Controller Problem.](#)
In Proceedings of the 23rd International Symposium on Distributed Computing (DISC), pages 22–34, 2009.
(Invited to DISC 2009’s special issue in DistComp.)

12. Yuval Emek and Michal Feldman.
[Computing Optimal Contracts in Series-Parallel Heterogeneous Combinatorial Agencies.](#)
In Proceedings of the 5th Workshop on Internet & Network Economics (WINE), pages 268–279, 2009.
13. Noga Alon, Yuval Emek, Michal Feldman, and Moshe Tennenholtz.
[Adversarial Leakage in Games.](#)
In Proceedings of the 1st Symposium on Innovations in Computer Science (ICS), pages 111–119, 2010.
14. Shiri Chechik, Yuval Emek, Boaz Patt-Shamir, and David Peleg.
[Sparse Reliable Graph Backbones.](#)
In Proceedings of the 37th International Colloquium on Automata, Languages and Programming (ICALP, track C), pages (2):261–272, 2010.
15. Noga Alon, Yuval Emek, Michal Feldman, and Moshe Tennenholtz.
[Bayesian Ignorance.](#)
In Proceedings of the 29th ACM Symposium on Principles of Distributed Computing (PODC), pages 384–391, 2010.
16. Yuval Emek, Magnus M. Halldorsson, Yishay Mansour, Boaz Patt-Shamir, Jaikumar Radhakrishnan, and Dror Rawitz.
[Online Set Packing and Competitive Scheduling of Multi-Part Tasks.](#)
In Proceedings of the 29th ACM Symposium on Principles of Distributed Computing (PODC), pages 440–449, 2010.
(Invited to PODC 2010’s special issue in DistComp.)
17. Yuval Emek and Amos Korman.
[Efficient Threshold Detection in a Distributed Environment.](#)
In Proceedings of the 29th ACM Symposium on Principles of Distributed Computing (PODC), pages 183–191, 2010.
18. Noga Alon, Yuval Emek, Michal Feldman, and Moshe Tennenholtz.
[Economical Graph Discovery.](#)
In Proceedings of the 2nd Symposium on Innovations in Computer Science (ICS), pages 476–486, 2011.
19. Yuval Emek, Amos Korman, and Yuval Shavitt.
[Approximating the Statistics of various Properties in Randomly Weighted Graphs.](#)
In Proceedings of the 22nd ACM-SIAM Symposium on Discrete Algorithms (SODA), pages 1455–1467, 2011.
20. Yuval Emek, Ron Karidi, Moshe Tennenholtz, and Aviv Zohar.
[Mechanisms for Multi-Level Marketing.](#)
In Proceedings of the 12th ACM Conference on Electronic Commerce (EC), pages 209–218, 2011.

21. Yuval Emek, Pierre Fraigniaud, Amos Korman, Shay Kutten, and David Peleg.
[Notions of Connectivity in Overlay Networks.](#)
In Proceedings of the 19th International Colloquium on Structural Information and Communication Complexity (SIROCCO), pages 25–35, 2012.
22. Yuval Emek, Michal Feldman, Iftah Gamzu, Renato Paes Leme, and Moshe Tennenholtz.
[Signaling Schemes for Revenue Maximization.](#)
In Proceedings of the 13th ACM Conference on Electronic Commerce (EC), pages 514–531, 2012.
23. Yuval Emek, Magnus M. Halldorsson, and Adi Rosen.
[Space-Constrained Interval Selection.](#)
In Proceedings of the 39th International Colloquium on Automata, Languages and Programming (ICALP, track A), pages (1)302–313, 2012.
24. Yuval Emek and Roger Wattenhofer.
[Stone Age Distributed Computing.](#)
In Proceedings of the 32nd ACM Symposium on Principles of Distributed Computing (PODC), pages 137–146, 2013.
25. Yuval Emek and Roger Wattenhofer.
[Frequency Hopping against a Powerful Adversary.](#)
In Proceedings of the 27th International Symposium on Distributed Computing (DISC), pages 329–343, 2013.
26. Yuval Emek and Adi Rosen.
[Semi-Streaming Set Cover.](#)
In Proceedings of the 41st International Colloquium on Automata, Languages and Programming (ICALP, track A), pages (1)453–464, 2014.
27. Yuval Emek, Jochen Seidel, and Roger Wattenhofer.
[Computability in Anonymous Networks: Revocable vs. Irrevocable Outputs.](#)
In Proceedings of the 41st International Colloquium on Automata, Languages and Programming (ICALP, track B), pages (2)183–195, 2014.
28. Yuval Emek, Tobias Langner, Jara Uitto, and Roger Wattenhofer.
[Solving the ANTS problem with Asynchronous Finite State Machines.](#)
In Proceedings of the 41st International Colloquium on Automata, Languages and Programming (ICALP, track C), pages (2)471–482, 2014.
29. Yuval Emek, Christoph Pfister, Jochen Seidel, and Roger Wattenhofer.
[Anonymous Networks: Randomization = 2-Hop Coloring.](#)
In Proceedings of the 33rd ACM Symposium on Principles of Distributed Computing (PODC), pages 96–105, 2014.

30. Yuval Emek, Tobias Langner, David Stolz, Jara Uitto, and Roger Wattenhofer.
[How Many Ants Does It Take To Find the Food?](#)
In Proceedings of the 21st International Colloquium on Structural Information and Communication Complexity (SIROCCO), pages 263–278, 2014.
(Invited to SIROCCO 2014’s special issue in TCS.)
31. Yuval Emek, Tobias Langner, and Roger Wattenhofer.
[The Price of Matching with Metric Preferences.](#)
In Proceedings of the 23rd Annual European Symposium on Algorithms (ESA), pages 459–470, 2015.
32. Yuval Emek, Shay Kutten, and Roger Wattenhofer.
[Online Matching: Haste makes Waste!](#)
In Proceedings of the 48th ACM Symposium on Theory of Computing (STOC), pages 333–344, 2016.
33. Yuval Emek and Jara Uitto.
[Dynamic Networks of Finite State Machines.](#)
In Proceedings of the 23rd International Colloquium on Structural Information and Communication Complexity (SIROCCO), pages 19–34, 2016.
(Invited to SIROCCO 2016’s special issue in TCS.)
34. Lihi Cohen, Yuval Emek, Oren Louidor, and Jara Uitto.
[Exploring an Infinite Space with Finite Memory Scouts.](#)
In Proceedings of the 28th ACM-SIAM Symposium on Discrete Algorithms (SODA), pages 207–224, 2017.
35. Yuval Emek, Yaacov Shapiro, and Yuyi Wang.
[Minimum Cost Perfect Matching with Delays for Two Sources.](#)
In Proceedings of the 10th International Conference on Algorithms and Complexity (CIAC), pages 209–221, 2017.
(Invited to CIAC 2017’s special issue in TCS.)
36. Yakov Babichenko, Yuval Emek, Michal Feldman, Boaz Patt-Shamir, Ron Peretz, and Rann Smorodinsky.
[Stable Secretaries.](#)
In Proceedings of the 18th ACM conference on Economics and Computation (EC), pages 243–244, 2017.
37. Sebastian Brandt, Yuval Emek, Jara Uitto, and Roger Wattenhofer.
[A Tight Lower Bound for the Capture Time of the Cops and Robbers Game.](#)
In Proceedings of the 44th International Colloquium on Automata, Languages and Programming (ICALP, track A), pages 82:1–82:13, 2017.

38. Shimon Bitton, Yuval Emek, and Shay Kutten.
[Efficient Jobs Dispatching in Emerging Clouds.](#)
In Proceedings of the IEEE International Conference on Computer Communications (INFOCOM), pages 2033–2041, 2018.
39. Yuval Emek, Shay Kutten, Ron Lavi, and Yangguang Shi.
[Approximating Generalized Network Design under \(Dis\)economies of Scale with Applications to Energy Efficiency.](#)
In Proceedings of the 50th ACM Symposium on the Theory of Computing (STOC), pages 598–606, 2018.
40. Yehuda Afek, Yuval Emek, and Noa Kolikant.
[Selecting a Leader in a Network of Finite State Machines.](#)
In Proceedings of the 32nd International Symposium on Distributed Computing (DISC), pages 4:1–4:17, 2018.
41. Yehuda Afek, Yuval Emek, and Noa Kolikant.
[The Synergy of Finite State Machines.](#)
In Proceedings of the 22nd International Conference on Principles of Distributed Systems (OPODIS), pages 22:1–22:16, 2018.
42. Yossi Azar, Yuval Emek, Rob van Stee, and Danny Vainstein.
[The Price of Clustering in Bin-Packing with Applications to Bin-Packing with Delays.](#)
In Proceedings of the 31st ACM Symposium on Parallelism in Algorithms and Architectures (SPAA), pages 1–10, 2019.
43. Yuval Emek, Shay Kutten, Ron Lavi, and William K. Moses Jr.
[Deterministic Leader Election in Programmable Matter.](#)
In Proceedings of the 46th International Colloquium on Automata, Languages and Programming (ICALP, track C), pages 140:1–140:14, 2019.
44. Yuval Emek, Adam Goldbraikh, and Erez Kantor.
[Online Disjoint Set Cover without Prior Knowledge.](#)
In Proceedings of the 27th Annual European Symposium on Algorithms (ESA), pages 44:1–44:16, 2019.
45. Yuval Emek, Shay Kutten, Ron Lavi, and Yangguang Shi.
[Bayesian Generalized Network Design.](#)
In Proceedings of the 27th Annual European Symposium on Algorithms (ESA), pages 45:1–45:16, 2019.
46. Ruben Becker, Yuval Emek, Mohsen Ghaffari, and Christoph Lenzen.
[Distributed Algorithms for Low Stretch Spanning Trees.](#)
In Proceedings of the 33rd International Symposium on Distributed Computing (DISC), pages 4:1–4:14, 2019.

47. Shimon Bitton, Yuval Emek, Taisuke Izumi, and Shay Kutten.
[Message Reduction in the LOCAL Model is a Free Lunch.](#)
In Proceedings of the 33rd International Symposium on Distributed Computing (DISC), pages 7:1–7:15, 2019.
48. Yuval Emek, Noga Harlev, and Taisuke Izumi.
[Towards Distributed Two-Stage Stochastic Optimization.](#)
In Proceedings of the 23rd International Conference on Principles of Distributed Systems (OPODIS), 32:1–32:16, 2019.
49. Ruben Becker, Yuval Emek, and Christoph Lenzen.
[Low Diameter Graph Decompositions by Approximate Distance Computation.](#)
In Proceedings of the 11th Conference on Innovations in Theoretical Computer Science (ITCS), pages 50:1–50:29, 2020.
50. Yuval Emek and Yuval Gil.
[Twenty-Two New Approximate Proof Labeling Schemes.](#)
In Proceedings of the 34th International Symposium on Distributed Computing (DISC), pages 20:1–20:14, 2020.
51. Xavier Défago, Yuval Emek, Shay Kutten, Toshimitsu Masuzawa, and Yasumasa Tamura.
[Communication Efficient Self-Stabilizing Leader Election.](#)
In Proceedings of the 34th International Symposium on Distributed Computing (DISC), pages 11:1–11:19, 2020.
52. Yuval Emek, Ron Lavi, Rad Niazadeh, and Yangguang Shi.
[Stateful Posted Pricing with Vanishing Regret via Dynamic Deterministic Markov Decision Processes.](#)
In Proceedings of the 34th Conference on Neural Information Processing Systems (NeurIPS), 2020.
53. Yuval Emek, Shay Kutten, and Yangguang Shi.
[Online Paging with a Vanishing Regret.](#)
In Proceedings of the 12th Innovations in Theoretical Computer Science Conference (ITCS), pages 67:1–67:20, 2021.
54. Yuval Emek, Shay Kutten, Mordechai Shalom, and Shmuel Zaks.
[Hierarchical b-Matching.](#)
In Proceedings of the 47th International Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM), pages 189–202, 2021.
55. Yuval Emek, Shay Kutten, Mordechai Shalom, and Shmuel Zaks.
[Multicast Communications with Varying Bandwidth Constraints.](#)
In Proceedings of the IEEE International Conference on Computer Communications (INFOCOM), pages 1–10, 2021.

56. Yuval Emek and Eyal Keren.
[A Thin Self-Stabilizing Asynchronous Unison Algorithm with Applications to Fault Tolerant Biological Networks.](#)
In Proceedings of the 40th ACM Symposium on Principles of Distributed Computing (PODC), pages 93–102, 2021.
57. Yuval Emek, Yuval Gil, and Shay Kutten.
[Locally Restricted Proof Labeling Schemes.](#)
In Proceedings of the 36th International Symposium on Distributed Computing (DISC), pages 20:1–20:22, 2022.
58. Yuval Emek, Yuval Gil, and Noga Harlev.
[Design of Self-Stabilizing Approximation Algorithms via a Primal-Dual Approach.](#)
In Proceedings of the 26th International Conference on Principles of Distributed Systems (OPODIS), pages 27:1–27:19, 2022.
59. Fabien Dufoulon, Yuval Emek, and Ran Gelles.
[Beeping Shortest Paths via Hypergraph Bipartite Decomposition.](#)
In Proceedings of the 14th Innovations in Theoretical Computer Science Conference (ITCS), pages 45:1–45:24, 2023.
60. Taisuke Izumi, Yuval Emek, Tadashi Wadayama, and Toshimitsu Masuzawa.
[Deterministic Fault-Tolerant Connectivity Labeling Scheme.](#)
In Proceedings of the 42nd ACM Symposium on Principles of Distributed Computing (PODC), pages 190–199, 2023.
61. Anne Condon, Yuval Emek, and Noga Harlev.
[On the Runtime of Chemical Reaction Networks Beyond Idealized Conditions.](#)
In Proceedings of the 29th International Conference on DNA Computing and Molecular Programming (DNA), pages 3:1–3:22, 2023.
62. Yuval Emek, Yuval Gil, Maciej Pacut, and Stefan Schmid.
[Online Algorithms with Randomly Infused Advice.](#)
In Proceedings of the 31st Annual European Symposium on Algorithms (ESA), pages 44:1–44:19, 2023.
63. Yuval Emek, Yuval Gil, Noga Harlev.
[On the Power of Graphical Reconfigurable Circuits.](#)
To appear in Proceedings of the 38th International Symposium on Distributed Computing (DISC), 2024.
64. Yuval Emek, Matan-El Shpiro.
Barter Exchange with Bounded Trading Cycles.
To appear in Proceedings of the 20th Conference on Web and Internet Economics (WINE), 2024.

Ph.D. Thesis (Weizmann Institute of Science): [Probabilistic Embeddings of Graphs](#).