

Conference Publications

1. Nicolò Cesa-Bianchi, Tommaso Cesari, Roberto Colomboni, Federico Fusco, Stefano Leonardi: The Role of Transparency in Repeated First-Price Auctions with Unknown Valuations. STOC 2024.
2. Vashist Avadhanula, Andrea Celli, Riccardo Colini-Baldeschi, Stefano Leonardi, Matteo Russo: Fully Dynamic Online Selection through Online Contention Resolution Schemes. AAAI 2023: 6693-6700
3. Nicolò Cesa-Bianchi, Tommaso Renato Cesari, Roberto Colomboni, Federico Fusco, Stefano Leonardi: Repeated Bilateral Trade Against a Smoothed Adversary. COLT 2023: 1095-1130
4. Georgios Amanatidis, Georgios Birmpas, Philip Lazos, Stefano Leonardi, Rebecca Reiffenhäuser: Round-Robin Beyond Additive Agents: Existence and Fairness of Approximate Equilibria. EC 2023: 67-87
5. Tomer Ezra, Stefano Leonardi, Rebecca Reiffenhäuser, Matteo Russo, Alexandros Tsigonias-Dimitriadis: Prophet Inequalities via the Expected Competitive Ratio. WINE 2023: 272-289
6. Georgios Birmpas, Andrea Celli, Riccardo Colini-Baldeschi, Stefano Leonardi: Fair Equilibria in Sponsored Search Auctions: The Advertisers' Perspective. IJCAI 2022: 95-101
7. Giorgio Barnabò, Federico Siciliano, Carlos Castillo, Stefano Leonardi, Preslav Nakov, Giovanni Da San Martino, Fabrizio Silvestri: FbMultiLingMisinfo: Challenging Large-Scale Multilingual Benchmark for Misinformation Detection. IJCNN 2022: 1-8
8. Yossi Azar, Stefano Leonardi, Noam Touitou: Distortion-Oblivious Algorithms for Minimizing Flow Time. SODA 2022: 252-274
9. Constantine Caramanis, Paul Dütting, Matthew Faw, Federico Fusco, Philip Lazos, Stefano Leonardi, Orestis Papadigenopoulos, Emmanouil Pountourakis, Rebecca Reiffenhäuser: Single-Sample Prophet Inequalities via Greedy-Ordered Selection. SODA 2022: 1298-1325
10. Allocating Indivisible Goods to Strategic Agents: Pure Nash Equilibria and Fairness (Georgios Amanatidis, Georgios Birmpas, Federico Fusco, Philip Lazos, Stefano Leonardi, Rebecca Reiffenhäuser), In WINE 2021, 149-166, Best paper Award.
11. A Regret Analysis of Bilateral Trade (Nicolò Cesa-Bianchi, Tommaso R. Cesari, Roberto Colomboni, Federico Fusco, Stefano Leonardi), EC 2021: 289-309.
12. Submodular Maximization subject to a Knapsack Constraint: Combinatorial Algorithms with Near-optimal Adaptive Complexity (Georgios Amanatidis, Federico Fusco, Philip Lazos, Stefano Leonardi, Alberto Marchetti-Spaccamela, Rebecca Reiffenhäuser), ICML 2021: 231-242.
13. Efficient Two-Sided Markets with Limited Information (Paul Duetting, Federico Fusco, Philip Lazos, Rebecca Reiffenhäuser, and Stefano Leonardi), In Proceedings of the 53rd ACM Symposium on Theory of Computing, 2021.
14. Flow Time Scheduling with Uncertain Processing Time (Yossi Azar, Stefano Leonardi and Noam Touitou), In Proceedings of the 53rd ACM Symposium on Theory of Computing, 2021.
15. Stochastic Bandits for Multi-platform Budget Optimization in Online Advertising (Vashist Avadhanula, Riccardo Colini-Baldeschi, Stefano Leonardi, Karthik Abinav Sankararaman and Okke Schrijvers), In WWW2021: Proceedings of The Web Conference, 2021.
16. Envy, Regret, and Social Welfare Loss (Riccardo Colini-Baldeschi, Stefano Leonardi, Okke Schrijvers and Eric Sodomka), In WWW '20: The Web Conference 2020, Taipei, Taiwan, April 20-24, 2020, pp. 2913-2919, 2020.
17. Pandora's Box Problem with Order Constraints (Shant Boodaghians, Federico Fusco, Philip Lazos and Stefano Leonardi), In EC '20: The 21st ACM Conference on Economics and Computation, Virtual Event, Hungary, July 13-17, 2020, pp. 439-458, 2020.
18. Fast Adaptive Non-Monotone Submodular Maximization Subject to a Knapsack Constraint (Georgios Amanatidis, Federico Fusco, Philip Lazos and Stefano Leonardi), In Advances in Neural Information Processing Systems 33: Annual Conference on Neural Information Processing Systems 2020, NeurIPS 2020, December 6-12, 2020, virtual, 2020.
19. Online Revenue Maximization for Server Pricing (Shant Boodaghians, Federico Fusco, Stefano Leonardi, Yishay Mansour and Ruta Mehta), In Proceedings of the Twenty-Ninth International Joint Conference on Artificial Intelligence, IJCAI 2020, pp. 4106-4112, 2020.
20. Algorithms for Fair Team Formation in Online Labour Marketplaces (Giorgio Barnabò, Adriano Fazio, Stefano Leonardi and Chris Schwiegelshohn), In Companion of The 2019 World Wide Web Conference, WWW 2019, San Francisco, CA, USA, May 13-17, 2019, pp. 484-490, 2019.

21. $(1 + \epsilon)$ -Approximate Incremental Matching in Constant Deterministic Amortized Time (Fabrizio Grandoni, Stefano Leonardi, Piotr Sankowski, Chris Schwiegelshohn and Shay Solomon), In Proceedings of the Thirtieth Annual ACM-SIAM Symposium on Discrete Algorithms, SODA 2019, San Diego, California, USA, January 6-9, 2019, pp. 1886-1898, 2019.
22. Stochastic Graph Exploration (Aris Anagnostopoulos, Ilan Reuven Cohen, Stefano Leonardi and Jakub Lacki), In 46th International Colloquium on Automata, Languages, and Programming, ICALP 2019, July 9-12, 2019, Patras, Greece, pp. 136:1-136:14, 2019.
23. Algorithms for Hiring and Outsourcing in the Online Labor Market (Aris Anagnostopoulos, Carlos Castillo, Adriano Fazzzone, Stefano Leonardi and Evimaria Terzi), In Proceedings of the 24th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining, KDD 2018, London, UK, August 19-23, 2018, pp. 1109-1118, 2018.
24. Fixed Price Approximability of the Optimal Gain from Trade (Riccardo Colini-Baldeschi, Paul W. Goldberg, Bart de Keijzer, Stefano Leonardi and Stefano Turchetta), In Web and Internet Economics - 13th International Conference, WINE 2017, Bangalore, India, December 17-20, 2017, Proceedings, pp. 146-160, 2017.
25. Approximately Efficient Two-Sided Combinatorial Auctions (Riccardo Colini-Baldeschi, Paul W. Goldberg, Bart de Keijzer, Stefano Leonardi, Tim Roughgarden and Stefano Turchetta), In Proceedings of the 2017 ACM Conference on Economics and Computation, EC '17, Cambridge, MA, USA, June 26-30, 2017, pp. 591-608, 2017.
26. Budget Feasible Mechanisms on Matroids (Stefano Leonardi, Gianpiero Monaco, Piotr Sankowski and Qiang Zhang), In Integer Programming and Combinatorial Optimization - 19th International Conference, IPCO 2017, Waterloo, ON, Canada, June 26-28, 2017, Proceedings, pp. 368-379, 2017.
27. When the Optimum is also Blind: a New Perspective on Universal Optimization (Marek Adamczyk, Fabrizio Grandoni, Stefano Leonardi and Michal Włodarczyk), In 44th International Colloquium on Automata, Languages, and Programming, ICALP 2017, July 10-14, 2017, Warsaw, Poland, pp. 35:1-35:15, 2017.
28. Revenue Maximizing Envy-Free Pricing in Matching Markets with Budgets (Riccardo Colini-Baldeschi, Stefano Leonardi and Qiang Zhang), In Web and Internet Economics - 12th International Conference, WINE 2016, Montreal, Canada, December 11-14, 2016, Proceedings, pp. 207-220, 2016.
29. Bidding Strategies for Fantasy-Sports Auctions (Aris Anagnostopoulos, Ruggiero Cavallo, Stefano Leonardi and Maxim Sviridenko), In Web and Internet Economics - 12th International Conference, WINE 2016, Montreal, Canada, December 11-14, 2016, Proceedings, pp. 102-115, 2016.
30. Approximately Efficient Double Auctions with Strong Budget Balance (Riccardo Colini-Baldeschi, Bart de Keijzer, Stefano Leonardi and Stefano Turchetta), In Proceedings of the Twenty-Seventh Annual ACM-SIAM Symposium on Discrete Algorithms, SODA 2016, Arlington, VA, USA, January 10-12, 2016, pp. 1424-1443, 2016.
31. Network-Aware Recommendations of Novel Tweets (Noor Aldeen Alawad, Aris Anagnostopoulos, Stefano Leonardi, Ida Mele and Fabrizio Silvestri), In Proceedings of the 39th International ACM SIGIR conference on Research and Development in Information Retrieval, SIGIR 2016, Pisa, Italy, July 17-21, 2016, pp. 913-916, 2016.
32. Lottery Pricing Equilibria (Shaddin Dughmi, Alon Eden, Michal Feldman, Amos Fiat and Stefano Leonardi), In Proceedings of the 2016 ACM Conference on Economics and Computation, EC '16, Maastricht, The Netherlands, July 24-28, 2016, pp. 401-418, 2016.
33. Designing Cost-Sharing Methods for Bayesian Games (George Christodoulou, Stefano Leonardi and Alkmini Sgouritsa), In Algorithmic Game Theory - 9th International Symposium, SAGT 2016, Liverpool, UK, September 19-21, 2016, Proceedings, pp. 327-339, 2016.
34. Community Detection on Evolving Graphs (Aris Anagnostopoulos, Jakub Lacki, Silvio Lattanzi, Stefano Leonardi and Mohammad Mahdian), In Advances in Neural Information Processing Systems 29: Annual Conference on Neural Information Processing Systems 2016, December 5-10, 2016, Barcelona, Spain, pp. 3522-3530, 2016.
35. Reservation Exchange Markets for Internet Advertising (Gagan Goel, Stefano Leonardi, Vahab S. Mirrokni, Afshin Nikzad and Renato Paes Leme), In 43rd International Colloquium on Automata, Languages, and Programming, ICALP 2016, July 11-15, 2016, Rome, Italy, pp. 142:1-142:13, 2016.
36. Sequential Posted Price Mechanisms with Correlated Valuations (Marek Adamczyk, Allan Borodin, Diodato Ferraoli, Bart de Keijzer and Stefano Leonardi), In Web and Internet

- Economics - 11th International Conference, WINE 2015, Amsterdam, The Netherlands, December 9-12, 2015, Proceedings, pp. 1-15, 2015.
37. Robust Hierarchical k-Center Clustering (Silvio Lattanzi, Stefano Leonardi, Vahab S. Mirrokni and Ilya P. Razenshteyn), In Proceedings of the 2015 Conference on Innovations in Theoretical Computer Science, ITCS 2015, Rehovot, Israel, January 11-13, 2015, pp. 211-218, 2015.
 38. Competitive Influence in Social Networks: Convergence, Submodularity, and Competition Effects (Aris Anagnostopoulos, Diodato Ferraioli and Stefano Leonardi), In Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2015, Istanbul, Turkey, May 4-8, 2015, pp. 1767-1768, 2015.
 39. Reduce and aggregate: similarity ranking in multi-categorical bipartite graphs (Alessandro Epasto, Jon Feldman, Silvio Lattanzi, Stefano Leonardi and Vahab S. Mirrokni), In 23rd International World Wide Web Conference, WWW '14, Seoul, Republic of Korea, April 7-11, 2014, pp. 349-360, 2014.
 40. Revenue Maximizing Envy-Free Fixed-Price Auctions with Budgets (Riccardo Colini-Baldeschi, Stefano Leonardi, Piotr Sankowski and Qiang Zhang), In Web and Internet Economics - 10th International Conference, WINE 2014, Beijing, China, December 14-17, 2014. Proceedings, pp. 233-246, 2014.
 41. A Mazing $2 + \epsilon$ Approximation for Unsplittable Flow on a Path (Aris Anagnostopoulos, Fabrizio Grandoni, Stefano Leonardi and Andreas Wiese), In Proceedings of the Twenty-Fifth Annual ACM-SIAM Symposium on Discrete Algorithms, SODA 2014, Portland, Oregon, USA, January 5-7, 2014, pp. 26-41, 2014.
 42. Near-optimal multi-unit auctions with ordered bidders (Sayan Bhattacharya, Elias Koutsoupias, Janardhan Kulkarni, Stefano Leonardi, Tim Roughgarden and Xiaoming Xu), In Proceedings of the fourteenth ACM Conference on Electronic Commerce, EC 2013, Philadelphia, PA, USA, June 16-20, 2013, pp. 91-102, 2013.
 43. Constant Integrality Gap LP Formulations of Unsplittable Flow on a Path (Aris Anagnostopoulos, Fabrizio Grandoni, Stefano Leonardi and Andreas Wiese), In Integer Programming and Combinatorial Optimization - 16th International Conference, IPCO 2013, Valparaíso, Chile, March 18-20, 2013.
 44. Online team formation in social networks (Aris Anagnostopoulos, Luca Becchetti, Carlos Castillo, Aristides Gionis and Stefano Leonardi), In Proceedings of the 21st World Wide Web Conference 2012, WWW 2012, Lyon, France, April 16-20, 2012, pp. 839-848, 2012.
 45. On Multiple Keyword Sponsored Search Auctions with Budgets (Riccardo Colini-Baldeschi, Monika Henzinger, Stefano Leonardi and Martin Starnberger), In Automata, Languages, and Programming - 39th International Colloquium, ICALP 2012, Warwick, UK, July 9-13, 2012, Proceedings, Part II, pp. 1-12, 2012.
 46. A Path-Decomposition Theorem with Applications to Pricing and Covering on Trees (Marek Cygan, Fabrizio Grandoni, Stefano Leonardi, Marcin Pilipczuk and Piotr Sankowski), In Algorithms - ESA 2012 - 20th Annual European Symposium, Ljubljana, Slovenia, September 10-12, 2012. Proceedings, pp. 349-360, 2012.
 47. Michal Feldman, Amos Fiat, Stefano Leonardi, Piotr Sankowski. Revenue Maximizing Envy-free Multi-unit Auctions with Budgets. To appear in 13th ACM Conference on Electronic Commerce 2012, EC-2012, Valencia, June 2012.
 48. Stefano Leonardi and Tim Roughgarden. Prior-Free Auctions with Ordered Bidders. To appear in Proc. of the 44th ACM Symposium on Theory of Computing (STOC 2012), New York, May 2012.
 49. Marek Cygan, Fabrizio Grandoni, Stefano Leonardi, Marcin Mucha, Marcin Pilipczuk, Piotr Sankowski: Approximation Algorithms for Union and Intersection Covering. Foundations of Software Technology and theoretical Computer Science, December 2011, Mumbai, India.
 50. Amos Fiat, Stefano Leonardi, Jared Saia, Piotr Sankowski: Combinatorial Auctions with Budgets. To appear in Proc. of ACM Conference on Electronic Commerce, EC 2011.
 51. Aris Anagnostopoulos, Luca Becchetti, Stefano Leonardi, Ida Mele, Piotr Sankowski: Stochastic query covering. ACM Conference on Web Search and Data Mining, WSDM 2011: 725-734. Best poster award.
 52. Aris Anagnostopoulos, Luca Becchetti, Carlos Castillo, Aristides Gionis and Stefano Leonardi. Power in Unity: Forming Teams in Large-Scale Community Systems. Proceedings of the 19th ACM International Conference on Information and Knowledge Management, CIKM 2010, 2010.

53. Luca Becchetti, Ilaria Bordino, Stefano Leonardi and Adi Rosen. Fully-Decentralized Computation of Aggregates over Data Streams (Best Paper Award). Proceedings of the First International Workshop on Novel Data Stream Pattern Mining Techniques ([StreamKDD](#) 2010), pages 1 - 9, 2010.
54. Aris Anagnostopoulos, Fabrizio Grandoni, Stefano Leonardi, Piotr Sankowski. Online Network Design with Outliers. Proc. of 37th International Colloquium on Automata, Languages and Programming, ICALP 2010, pages 114 - 126, 2010.
55. Fabrizio Grandoni, Piotr Krysta, Stefano Leonardi, Carmine Ventre. Utilitarian Mechanism Design for Multi-Objective Optimization. SODA 2010.
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57. Fabrizio Grandoni, Anupam Gupta, Stefano Leonardi, Pauli Miettinen, Piotr Sankowski and Mohit Singh. Set Covering with Our Eyes Closed. To appear in 49th Annual IEEE Symposium on Foundations of Computer Science (FOCS 2008).
58. Debora Donato, Stefano Leonardi and Mario Panicia. Combining Transitive Trust and Negative Opinions for better Reputation Management in Social Networks. To appear in KDD workshop on Social Network Mining and Analysis (SNAKDD 2008).
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Journal Publications

1. N Cesa-Bianchi, T Cesari, R Colomboni, F Fusco, S Leonardi.: Bilateral trade: A regret minimization perspective. *Mathematics of Operations Research* 49 (1), 171-203
2. G Amanatidis, G Birmpas, F Fusco, P Lazos, S Leonardi, R Reiffenhäuser : Allocating indivisible goods to strategic agents: Pure nash equilibria and fairness. *Mathematics of Operations Research* 2024
3. Michal Feldman, Federico Fusco , Stefano Leonardi, Simon Mauras, Rebecca Reiffenhäuser: Truthful Matching with Online Items and Offline Agents. *Algorithmica* 86(5): 1600-1622 (2024).
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