

Curriculum Vitae

Tomer Ezra

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Personal details

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Homepage: <https://tomer-ezra.github.io/>
Languages: Hebrew (mother tongue), English (fluent)

Education

[2016-2022]: PhD in Computer Science, Tel Aviv University, under the supervision of Prof. Michal Feldman. Dissertation Title: Simple Algorithms for Limited Information Settings
[2011-2016]: MSc. in Computer Science, Tel Aviv University, under the supervision of Prof. Michal Feldman
[2005-2010]: BSc in Computer Science, The Open University (Summa cum Laude)

Professional Experience and Appointments

[2023]: Distinguished Research Postdoctoral Fellow supported by the Alfred P. Sloan Foundation at Simons Laufer Mathematical Sciences Institute
[2021-2023]: Postdoc, Sapienza University of Rome, hosted by Prof. Stefano Leonardi
[2020]: Summer research internship at Amazon, Alexa Shopping Science Team
[2019-2020]: Consultant at Pagaya
[2015]: Summer internship at Facebook as a software developer
[2009-2014]: Research officer at IDF

Teaching

[2022]: Algorithm Design, Sapienza University of Rome, Italy
[2016]: Programming Languages, Tel Aviv University, Israel
[2015]: Complexity, Tel Aviv University, Israel

Honors and Awards

[2021]: The Deutsch Prize, Tel Aviv University
[2009]: Representing Israel in the International Olympiad in Informatics
[2010]: Bronze medal in SEEMOUS Olympiad for math
[2009]: Dean's list, The Open University
[2008]: Rector's list, The Open University
[2007]: Dean's list, The Open University
[2006]: Dean's list, The Open University

Conference Proceedings Publications (Peer-Reviewed):

1. **Tomer Ezra**, Stefano Leonardi, Rebecca Reiffenhäuser, Matteo Russo, and Alexandros Tsigonias-Dimitriadis:
"Prophet Inequalities via the Expected Competitive Ratio", (WINE'23), 2023
2. **Tomer Ezra**, and Tamar Garbuz:
"The Importance of Knowing the Arrival Order in Combinatorial Bayesian Settings", (WINE'23), 2023
3. Ben Berger, **Tomer Ezra**, Michal Feldman, and Federico Fusco:
"Pandora's Problem with Combinatorial Costs", (EC'23), 2023
4. Paul Duetting, **Tomer Ezra**, Michal Feldman, and Thomas Kesselheim:
"Multi-Agent Contracts", Annual Symposium on Theory of Computing (STOC'23), 2023
5. **Tomer Ezra**, Michal Feldman, Nick Gravin, and Zhihao Gavin Tang:
"Who is Next in Line?" On the Significance of Knowing the Arrival Order in Bayesian Online Settings", (SODA'23), 2023
6. **Tomer Ezra**, Michal Feldman, Nick Gravin, and Zhihao Gavin Tang:
"Secretary Matchings with General Arrivals", (EC'22), 2022
7. Moshe Babaioff, **Tomer Ezra**, and Uriel Feige:
"Best-of-Both-Worlds Fair-Share Allocation", (WINE'22), 2022
8. Moshe Babaioff, **Tomer Ezra**, and Uriel Feige:
"Fair and Truthful Mechanisms for Dichotomous Valuations", Conference on Artificial Intelligence (AAAI'21) 2021
9. Moshe Babaioff, **Tomer Ezra**, and Uriel Feige:
"Fair-Share Allocations for Agents with Arbitrary Entitlements", ACM Conference on Economics and Computation (EC'21), 2021
10. **Tomer Ezra**, Michal Feldman, and Ron Kupfer:
"On a Competitive Secretary Problem with Deferred Selections", International Joint Conference on Artificial Intelligence (IJCAI'21), 2021
11. **Tomer Ezra**, Michal Feldman, and Ron Kupfer:
"Prophet Inequality with Competing Agents", International Symposium on Algorithmic Game Theory (SAGT'21), 2021
12. Paul Duetting, **Tomer Ezra**, Michal Feldman, and Thomas Kesselheim:
"Combinatorial Contracts", Annual Symposium on Foundations of Computer Science (FOCS'21), 2021
13. **Tomer Ezra**, Michal Feldman, and Ophir Friedler:
"A General Framework for Endowment Effects in Combinatorial Markets", ACM Conference on Economics and Computation (EC'20), 2020
14. **Tomer Ezra**, Michal Feldman, Nick Gravin, and Zhihao Gavin Tang:
"Online Stochastic Max-Weight Matching: Prophet Inequality for Vertex and Edge Arrival Models", ACM Conference on Economics and Computation (EC'20), 2020

15. **Tomer Ezra**, Michal Feldman, Eric Neyman, Inbal Talgam-Cohen, and Matthew Weinberg:
"Settling the Communication Complexity of Combinatorial Auctions with Two Subadditive Buyers", Annual Symposium on Foundations of Computer Science (FOCS'19), 2019
16. **Tomer Ezra**, Michal Feldman, and Ilan Nehama:
"Prophets and Secretaries with Overbooking", ACM Conference on Economics and Computation (EC'18), 2018
17. **Tomer Ezra**, Michal Feldman, Tim Roughgarden, and Warut Suksompong:
"Pricing Identical Items", Conference on Web and Internet Economics (WINE'18), 2018
18. Alon Eden, **Tomer Ezra**, and Michal Feldman:
"Pricing Social Goods", European Symposium on Algorithms (ESA'17), 2017

Journal Publications:

1. **Tomer Ezra**, Michal Feldman, Nick Gravin, and Zhihao Gavin Tang:
"Prophet Matching with General Arrivals", Mathematics of Operations Research (MOR), 2021
2. **Tomer Ezra**, Michal Feldman, and Ophir Friedler:
"A General Framework for Endowment Effects in Combinatorial Markets", SIGecom Exchanges, 2020
3. **Tomer Ezra**, Michal Feldman, Tim Roughgarden, and Warut Suksompong:
"Pricing Multi-Unit Markets", ACM Transactions on Economics and Computation (TEAC), 2020

Preprints:

1. Georgios Birmpas, **Tomer Ezra**, Stefano Leonardi, and Matteo Russo:
"Fair Division with Interdependent Values"

Service:

Program committee:

- ACM Conference of Economics and Computation (EC'21, EC'22, EC'23)
- Conference on Web and Internet Economics (WINE'21, WINE'23)
- The Web Conference (WWW'23)
- The International Symposium on Algorithmic Game Theory (SAGT'23)

Reviewer:

FOCS, STOC, SODA, EC, WINE, SAGT, ESA, WWW, SOSA, ICALP, APPROX, TEAC, MOR, OR, GEB, MSS, TCS.