

SHORT CV

1. PERSONAL DETAILS

Email: inbaltalgam@gmail.com (preferred), italgam@tauex.tau.ac.il, italgam@cs.technion.ac.il

Website: <http://www.inbaltalgam.com/>

2. RESEARCH AREAS

(+) Algorithmic game theory (+) Economics and computation (+) Incentives in machine learning and AI (+) Computer science, law and policy.

3. EDUCATION

Computer Science:

- *PhD, Stanford University: 2016. Dissertation: Robust Market Design: Information and Computation. Committee: Tim Roughgarden, Ashish Goel and Ramesh Johari (computer scientists), Paul Milgrom and Robert Wilson (economists and Nobel laureates).*
- *MSc, Weizmann Institute: 2010. Advisor: Uriel Feige.*
- *BSc, Tel Aviv University: 2006.*

Law:

- *LLB, Tel Aviv University: 2006. Bar: 2007.*

4. APPOINTMENTS

Academic:

- *Tel Aviv University: Since 2024, I am an **Associate Professor** at the School of Computer Science. Starting in 2026 I will lead the technology program at CARRD – [The Center for Applied Research on Risks to Democracy](#).*
- *Technion: In 2018-2023 I was a **Senior Lecturer** at the Computer Science Faculty. In 2023 I moved to Tel Aviv University, maintaining a **Visiting Faculty** position at the Technion.*
- *Hebrew and Tel Aviv Universities: In 2016-2018 I was a **Marie Curie Postdoctoral Fellow** and an **I-CORE (Israeli Center of Research Excellence) Fellow**, jointly hosted by Michal Feldman and Noam Nisan.*

Law: In 2006-2007 I clerked for Justice Esther Hayut, **Supreme Court of Israel**.

Industry: I was a research intern at **Microsoft Research** and **Yahoo! Labs**.

Military: I served as an officer in the **Intelligence Corps**.

5. GRANTS (SELECTED)

1. **ERC: Algorithmic Contract Design (ALGOCONTRACT).** Individual starting grant, 2023-2028.
2. **ISF: Contract Design, Machine Learning and Statistical Inference.** Individual grant, 2024-2028.
3. **NSF-BSF: Algorithmic Persuasion.** In collaboration with Yakov Babichenko and Haifeng Xu, 2021-2024.
4. **ISF: Complexity in Markets – Beyond Worst-Case Analysis.** Individual grant, 2018-2022.

6. AWARDS (SELECTED)

1. **Microsoft AI Economy Institute (AIEI) 2025 Fall Cohort.**
Selected as a Senior Fellow among hundreds of candidates. The Cohort brings together [exceptional global expertise](#) to provide insights for AI policy in academia, industry, and government. Through a series of workshops, research papers and a book publication, the Cohort seeks to accelerate understanding of how GenAI is transforming education, labor and economy across sectors and geographies.
2. **AI Security Institute (AISI) 2025 Alignment Project.**
My project *Mitigating Moral Hazard in AI Using Contracts* selected for acceleration as “groundbreaking AI alignment research to keep advanced AI systems safe, secure and beneficial to society.” The [Alignment Project](#) is “supported by an international coalition of government, industry, and philanthropic funders — including the UK AI Security Institute, the Canadian AI Safety Institute, Schmidt Sciences, Amazon Web Services, Halcyon Futures, SafeAI, and the UK Advanced Research and Invention Agency.”
3. **Krill Prize.**
Awarded in 2023 by the *Wolf Foundation* for excellence in scientific research. The prize is “bestowed upon individuals who have demonstrated remarkable research breakthroughs. The recipients are [...] anticipated to play pivotal roles in leading research and academia in Israel in the future.”
4. **Google Research Scholar Award.**

Google's highly competitive, prestigious award for supporting cutting-edge research pursued by accomplished young faculty. I was among five recipients globally in 2022 in *Algorithms and Optimization*. I am the [only recipient](#) to ever win in this category from a non-U.S. university.

5. **ACM SIGecom Doctoral Dissertation Award** to Konstantin Zabarnyi, my first PhD student, for his thesis *Information Design in the Twenty-First Century: A Computer Science Perspective*. Awarded in 2025 for “substantial contributions to a wide variety of topics in the field of economics of information. His thesis initiates [algorithmic cheap talk](#) and provides powerful insights on a broad range of aspects related to information design and Bayesian persuasion.”
6. **ACM SIGecom Doctoral Dissertation Award** to my PhD thesis *Robust Market Design: Information and Computation*. Awarded in 2016. With my student Konstantin Zabarnyi, we are the [first advisor-advisee pair](#) to both win this award, a decade apart.
7. **ACM SIGecom Best Paper Award** to a paper with a leading student author to my paper *Why Prices Need Algorithms*, ACM Conference on Economics and Computation (EC), 2015. Also invited as a plenary talk to the ACM Symposium on Theory of Computing (STOC) TheoryFest, 2017, and to the Best Papers from Sister Conferences Track at the International Joint Conference on Artificial Intelligence (IJCAI), 2016.

7. FELLOWSHIPS & HONORS (SELECTED)

8. **Henry Taub Prize for Academic Excellence**. Awarded in 2022 for substantial and unique achievements and exceptional excellence in research.
9. **Leaders in Science and Technology Taub Fellow**. Awarded by the *Taub Family Foundation*, 2018-2020.
10. **European Union Marie Curie Fellow**. The EU's “most competitive and prestigious” research and innovation fellowship. Awarded by the *European Commission*, 2016-2017.
11. **Hsieh Family Stanford Interdisciplinary Graduate Fellow**. “One of the highest awards given to doctoral students pursuing interdisciplinary research.” Awarded by the *Stanford Interdisciplinary Graduate Fellowship Program*, 2013-2015.
12. **Academy of Achievement Delegate**. “The world's most accomplished young scholars” engage with leaders in government, business, science and the arts. I was a delegate in 2014, endorsed by Nili Priel and Ehud Barak.
13. **China Theory Week Invitee**. Brings together “the 20 most accomplished PhD students within theoretical computer science worldwide”. I was invited to participate in 2013.
14. **Google Anita Borg Scholar**. Awarded in 2010 by Google for demonstrating exceptional academic and leadership qualities.

8. TEACHING

- *Algorithms*: Computer science undergraduate course, taught yearly since 2019.
- *Algorithms for Rational Agents, Machine Learning and Incentives*: Advanced courses developed and taught yearly since 2019.

9. SCIENTIFIC LEADERSHIP

Editorial Boards and Committee Chairing (Selected)

1. **Associate Editor**, SIAM Journal on Computing (SICOMP), 2024-. Top journal in computer science.
2. **Steering Committee Member**, Northwestern CS+Law Workshop Series, 2022-.
3. **Track Chair**, Theory Track, ACM Conference on Economics and Computation (EC), 2024.
4. **Area Chair**, Mechanism and Contract Design, ACM Conference on Economics and Computation (EC), 2022.
5. **Program Committee Co-Chair**, Conference on Web and Internet Economics (WINE), 2021.
6. **Editor-in-Chief**, ACM SIGecom Exchanges 2020-2022. Curating the best research in algorithmic game theory.
7. **STOC Program Committee Member**, 2019, 2021, 2025, 2026.

Lead Organizer (Selected)

Algorithmic Contract Design

1. *Workshop on Algorithmic Contracts and AI Alignment*, Northwestern CS+Law Series, 2024. Co-organizer: Katrina Ligett, Hebrew University.
2. *Workshop on Algorithmic Contract Design: Present and Future*, ACM Conference on Economics and Computation (EC), 2022. Co-organizer: Paul Dütting, Google Research.

3. *Tutorial on Contracts as a New Frontier for Algorithmic Game Theory: Part 1*, ACM Conference on Economics and Computation (EC), 2019. [Most watched tutorial on ACM SIGecom's YouTube channel](#), with **3.2K** views.

Computer Science, Law and Policy

4. *6th Annual ACM SIGecom Winter Event*, CS&Law focus, 2026. Co-organizer: Rachel Cummings, Columbia.
5. *Workshop on Algorithmic Collusion*, Northwestern CS+Law Series, 2025. Co-organizer: Yannai Gonczarowski, Harvard.
6. *Kickoff Workshop on Algorithms, Law and Policy*, Simons Institute, Berkeley, 2020. Co-organizers: Niva Elkin-Koren, Michal Feldman, and Shafi Goldwasser (Turing Award winner).
7. *Dagstuhl Seminar on Algorithms, Law and Policy*, 2020. Cancelled due to COVID-19.

Talks (Selected)

1. **Invited speaker**, *Algorithmic Contract Design: Recent Progress*, Workshop Honoring Aumann's 20th Nobel Prize Anniversary, Center for Rationality, 2026 (forthcoming).
2. **Keynote**, *Algorithmic Contract Design: Recent Progress*, Fundamentals of Computation Theory (FCT), University of Wroclaw, 2025.
3. **Keynote**, *Pay for Performance: When Algorithms Call the Shots*, Academia Nation, Tel Aviv, 2025.
4. **Invited speaker**, *Game Theoretical Approaches to the Israeli Judicial Reform*, 14th Israeli Game Theory Conference, 2025. Cancelled due to the Iran-Israel war.
5. **Invited speaker**, *Statistical Contracts for Incentivizing GenAI*, ALGA (Algorithms, Learning, Games), Sardinia, 2025.
6. **Invited speaker**, *Incentivizing Quality Text Generation via Statistical Contracts*, AAI Workshop on Economics of Modern ML, Philadelphia, 2025.
7. **Colloquium**, *Algorithmic Contract Design: Recent Progress*, Ben-Gurion University, 2025.
8. **Keynote**, *Contract Design: Algorithms and Learning*, Workshop on Algorithms for Learning and Economics (WALE), 2024.
9. **Invited speaker**, *Reinforcement Learning with Contracts*, AI Week, Tel Aviv, 2024.
10. **Keynote**, *Making the Most of It: An Algorithmic Approach to Effort*, ECGI Workshop, Yale, 2024.
11. **Colloquium**, *Contract Design: Approximation and Learning*, Weizmann Institute, 2024.
12. **Keynote**, *Contract Design: Approximation and Learning*, Conference on Web and Internet Economics (WINE), Shanghai, 2023.
13. **Plenary**, *Contract Design: Approximation and Learning*, International Conference on Game Theory, Stony Brook, 2023.
14. **Invited speaker**, *Incentivizing Effort under Uncertainty*, Workshop in Honor of Noam Nisan, 2022.
15. **Tutorial**, *Algorithmic Contract Design*, STOC TheoryFest Workshop, Rome, 2022.
16. **Plenary**, *Contract Design with Uncertainty*, Hi! Paris Symposium on Artificial Intelligence and Society, 2022.
17. **Invited speaker**, *Algorithmic Contract Theory*, TCS+ Seminar Series in Theoretical Computer Science, 2022.
18. **Plenary**, *Auctions with Interdependent Values*, Inaugural SIGecom Winter Meeting in Honor of Nobel Laureates Paul Milgrom and Robert Wilson, 2021.
19. **Keynote**, *Beyond Auction Theory: Economic Models for Computational Advertising*, AdKDD, ACM Knowledge Discovery and Data Mining Conference), 2020.
20. **Plenary**, *Contract Theory: An Algorithmic Approach*, Israel Algorithmic Game Theory Day, 2020.
21. **Invited speaker**, *Beyond Worst-Case Analysis in Algorithmic Game Theory*, FeigeFest, Weizmann, 2020.
22. **Plenary**, *Beyond Worst-Case Analysis in Algorithmic Game Theory*, FOCS Workshop, Baltimore, 2019.
23. **Plenary**, *The Complexity of Contracts*, MAPLE, Politecnico di Milano, 2019.
24. **Plenary**, *Algorithms and Law*, Simons Institute Workshop on Beyond Differential Privacy, Berkeley, 2019.
25. **Plenary**, *Simple vs. Optimal Contracts*, STOCA Workshop at Google, Mountain View, 2019.
26. **Invited speaker**, *Approximate Modularity Revisited*, Highlights of Algorithms (HALG) Conference featuring "important contributions of a wider interest to the algorithmic community", Amsterdam, 2018.

10. OUTREACH (SELECTED)

- **In the press:** [Yedioth Ahronoth and YNET](#), [YNET](#), [Yedioth Ahronoth and Geektime](#), [Private Investigators](#).
- **SLMath summer school lead organizer:** *Market and Mechanism Design*, Berkeley 2023. A 40-year series of math schools for international students. Co-organizers: Yannai Gonczarowski, Irene Lo and Ran Shorrer.
- **SafeToC steering committee:** Preventing and combating harassment in the Theory of Computing community.
- **Arabs and Jews on Campus:** Initiative of the Equality and Diversity Commission at TAU, following 7.10.
- **Editor-in-Chief of the ACM Student Magazine XRDS:** All-student editorial board, 40,000 subscribers.