

## RESUME

Full name: Rann Smorodinsky

Identity No. 022094387

Date and place of birth: Oct. 12, 1965

Marital status: Married + 3.

Web site: <http://ie.technion.ac.il/Home/Users/rann0.html>

### ACADEMIC DEGREES

1983–1986: B.Sc. in Mathematics and Operations Research, Tel Aviv University  
(Summa cum laude)

1987–1991: M.Sc. in Mathematics and Game Theory, Tel Aviv University (cum laude)

1993–1995: MBA, Business School, Tel- Aviv University

1992–1995: Ph.D. in Mathematics and Game Theory, Tel Aviv University

### ACADEMIC APPOINTMENTS

1997–Present: Faculty of Industrial Engineering and Management, Technion - Israel Institute of  
Technology

2005–Present: Associate Professor

1999–2005: Senior Lecturer

1997–1999: Lecturer

2014: Short term visiting scholar at Université Paris-Dauphine, Paris (2 weeks), Aalto  
University, Helsinki (3 weeks), Universitat Pompeu Fabra, Barcelona (3 weeks) and  
Monash University, Melbourne (2 weeks)

2006: Visiting scholar at Universitat Pompeu Fabra (6 months)

2001–2002: One year leave-of-absence to work in the private sector.

1995–1997: Department of Managerial Economics and Decision Sciences (MEDS),  
J.L. Kellogg Graduate School of Management, Northwestern University.  
Assistant Professor

1992–1995: School of Mathematical Sciences, Tel-Aviv University.  
Reader (Assistant)

### PROFESSIONAL EXPERIENCE

2008–2010: Principal Applied Researcher, Microsoft.

2005–2008: Co-Founder and Vice President of YaData ([www.yadata.com](http://www.yadata.com)), acquired by Microsoft  
in 2008.

- 2000-2003: Co-founder, vice chairperson and chairperson of the Mobile Ecosystem Forum (MEF – [www.mobileecosystemforum.com](http://www.mobileecosystemforum.com)), a global trade body with over 100 members addressing issues affecting the broadening mobile ecosystem.
- 2000–2002: Co-Founder and Vice President of Unipier Ltd. ([www.unipier.com](http://www.unipier.com)), acquired by Flash Networks in 2006 (one year leave-of-absence in 2001–2).
- 1992–1994: Senior consultant for system analysis and operations research in Hoshen/Eliav Consultants Firm, Inc., Tel-Aviv.

## RESEARCH INTERESTS

Game theory, Economic theory, Privacy

## TEACHING EXPERIENCE

Undergraduate courses in Introductory Micro and Macro Economics, Game Theory, Operations Research, Probability, and Statistics.

Graduate level courses: basic course in Game Theory, Advanced Topics in Game Theory, Mechanism Design and Auction Theory.

Entrepreneurship Workshop for Research Students – newly developed (2016/17) semester long workshop designed for graduate level students (joint with Uzi de-Haan).

## TECHNION ACTIVITIES

- 2018- present: Member of the IE&M MBA committee
- 2017-present: Academic coordinator of the Technion's Bronice Entrepreneurship Center (BEC)
- 2017-present: Academic coordinator of the Entrepreneurship Program for Undergraduates (Minor)
- 2017-present: Member of the Technion SUMBA application committee.
- 2017- present: Member of the IE&M committee on entrepreneurship and innovation.
- 2017- present: Member of the IE&M committee on the redesign of the IE&M undergraduate studies.
- 2003–Present: Head of Economics area
- 2003–Present: Member of the IE&M undergraduate studies committee
- 2003–Present: Member of the IE&M graduate studies committee
- 1997–2007: Organizer of the Technion Game Theory seminar

## PROFESSIONAL ACTIVITIES

Editorial boards:

- Advisory Editor, *Games and Economic Behavior* (2017-present)
- Editorial Board, *ISRN Economics* (2012–2014)
- Associate Editor, *Journal of Dynamic Games and Applications* (2010–present)
- Associate Editor, *Mathematical Social Sciences* (2005–2018)

Conference Program committee:

- *ACM Conference on Economics and Computation EC* (2018)
- *ACM Conference on Economics and Computation EC* (2017)
- *ACM Conference on Economics and Computation EC* (2015)
- *Symposium on Algorithmic Game Theory, SAGT2014* (senior program committee)
- “Second Workshop on Economics of Peer-to-Peer Systems,” Harvard, June 2004.

**Conference co-organizer:**

- Academic committee of the Research Workshop in honor of Ehud Kalai, Tel-Aviv univ. Israel (July 2017)
- Game Theory workshop in honor of Dov Monderer, Technion (June 2017).
- Annual workshop of the Israeli chapter of the Game Theory Society, Technion (June 2017).
- 6th Erice workshop on 'Stochastic Methods in Game Theory' (May 2017)

**Other:**

- ISF committee member (economics) and ISF committee chairperson (management)
- BSF scientific consultant
- Maschler award committee (prize awarded by the Game Theory Society – Israeli chapter).
- Section organizer, Israel Mathematical Union annual meetings, 2006.

Served as referee for the *Israeli Science Foundation (ISF)*, *American Economic Review (AER)*, *Econometrica*, *Games and Economic Behavior (GEB)*, *Journal of Economic Theory (JET)*, *International Journal of Game Theory (IJGT)*, *The B.E. Journals in Theoretical Economics*, *Symposium on Theoretical of Computing (STOC)*, *Foundations of Computer Science (FOCS)*, *Innovations in Theoretical Computer Science (ITCS)*, *Journal of Artificial Intelligence Research (JAIR)*, *American Economic Journal: Microeconomics*, *Transactions of Economics and Computation (TEAC)*, *SIAM Journal of Control and Optimization (SICON)*, *Linear Algebra and Applications*, *Mathematical Programming – Series B*.

**MEMBERSHIP IN PROFESSIONAL SOCIETIES**

None

**FELLOWSHIPS, AWARDS AND HONORS**

BSF Bergmann Memorial Research Award, awarded by the BSF to young scientists for “research projects of high scientific quality”. The grant carries a stipend of \$10,000 (1997).

Award for distinguished research student in Statistics and Operations Research Tel Aviv University (1993).

Scholarship for distinguished students of Lithuanian, Latvian, and Estonian Origin, Tel-Aviv University (1986).

Dean's Award for distinguished students, Tel Aviv University (1984, 1985, 1986).

**STUDENTS****Completed Theses**

Itai Zak, MSc. (2002). Thesis topic: "Uncertainty and Myopic Loss Aversion".

Orit Perry, MSc. (2002). Thesis topic: "Frequent Probabilistic Punishment in Law Enforcement" (jointly with Anat Rafaeli).

Orna Agmon, MSc. (2002), cum laude. Thesis topic: "Mechanism Design for Computation Resource Allocation Aiming at a Maximal Utility for the Organization".

Dmitry Zel, MSc. (2002). Thesis topic: "Repeated Decision Making and the House Money Effect".

Hadas Yaffe, MSc. (2003). Thesis topic: "The Restaurant Problem – Exploring the Consumption Pattern under 3 Different Marginal Costs" (main supervisor: Anat Rafaeli of IE).

Aviv Simionovici, MSc. (2003). Thesis topic: "A Negotiation Based Approach to Scalable Load Balancing in Distributed Systems" (associate supervisor: Roy Friedman of CS).

Inbar Aricha, MSc. (2005). Thesis Topic: "Overcoming Free Riding in Multi-Party Computations—The Non-anonymous Case".

Sergey Kuniawsky. MSc. (2006). Thesis Topic: "Coalitional Congestion Games".

Eran Galed, MSc. (2010). Thesis Topic: "Sequential Mechanisms for the Supply of Public Goods".

Wafung Wong, MSc. (2011). Thesis topic: "Efficiency and Equilibrium in Network Congestion Games".

Leonid Tsytrinbaum, MSc. (2013). Thesis topic: "Determinants of Performance in the Microfinance Industry: The Role of Culture" (associate supervisor: Ronny Manos from the College of Management).

Gal Danino, MSc (2017). Thesis topic: "Privacy Protection and Welfare in Online Advertising"(co-supervised with Itai Arieli).

### **Theses in Progress**

Gal Bahar, PhD (jointly with Moshe Tennenholtz). PhD candidacy exam – June 2016.

Itay Kaveler, PhD. PhD candidacy exam – Feb 2017.

Moran Koren, PhD (jointly with Itai Arieli). PhD candidacy exam – April 2016.

### **POST-DOC FELLOWS**

Gail Gilboa-Freedman, 2015-16

Argyrios Deligkas, 2016-18 (co-advised by the Technion GT group).

Urban Larsson, 2016-18 (co-advised by the Technion GT group).

Amir Ban, 2017-18 (co-advised by the Technion GT group).

### **RESEARCH GRANTS**

NSF SBR-9730385 award for the research proposal "Rational and Semi-Rational Learning—Theory and Applications", 1997–2000. \$268,000. Joint with Alvaro Sandroni.

BSF Grant no. 97-00113 for the research proposal "Rational and Semi-Rational Learning—Theory and Applications", 1998–2003. \$60,000. Joint with Alvaro Sandroni.

Haifa Univ.-Technion Joint Grant, 1999–2000. \$5,000, Joint with Uri Gneezy.

Ministry of Science, “Adapting Economic Models to the Internet”, 1999-2000. 609858 ILS. Joint with Dov Monderer, Moshe Tennenholtz, Doron Sonsino, Shay Kutten and Michal Penn.

Ministry of Science, “Social Gaps and Racial Discrimination”, 2001-2003. 155500 ILS. Joint with Haim Fershtman (replacing Uri Gneezy as PI).

ISF Grant no. 2011923, “Network Representations of Games: A Graphical Approach to Economic Interactions”, 2009-2010. Joint with Ron Holzman (replacing Dov Monderer as PI).

Gordon Center, “Approximately Optimal Mechanism Design via Differential Privacy”, 2010–12. \$13,000.

Sapir Center for Development grant. “Privacy in Mechanism Design”, 48,000 ILS. 2011–2012. Joint with Kobbi Nissim.

TASP (Technion Autonomous Systems Program), “Free Riding and Fault Tolerance among Autonomous Systems”, \$10,000. 2011–12. Joint with Yoram Moses.

Sapir Center for Development grant. “Privacy Aware Mechanism Design”, 48,000 ILS. 2012–2013. Joint with Kobbi Nissim.

ISF Grant no. 276/12, “Privacy and Markets”. 235,000 ILS annually for 4 years, 2012–2016. Joint with Kobbi Nissim.

MSFT - Technion EC Research Center grant, “Competition between Information Markets”, \$55,000, 2012–2016. Joint with Dov Monderer.

Cornell Tech Faculty Exchange Program grant, 2014–15, \$6,400. Joint with Rafael Pass.

Gordon Center, " Towards a Formal Model of Privacy in Systems", 2015–16. \$10,000.

TASP (Technion Autonomous Systems Program), “Perception Games and Rational Autonomous Agents”, \$16,000. 2015–16.

TASP (Technion Autonomous Systems Program), “Economic Efficiency for Autonomous Vehicles”, \$40,000 annually for 2 years. 2017–19. Joint with Erez Karpas.

BSF-NSF Cyber Security and Privacy Grant no. 2016734. " The Utilitarian Implications of Privacy Protections ". \$120,000. 2017-2020. Joint with Ronen Gradwohl.

GIF Research Grant No. I-1419-118.4/2017. "Sequential Information Aggregation with Partial Observability." 120,000 Euro. 2018-2021. Joint with Martin Hoefer.

MOST/MIA Applied Research grant 19400214, "Recommendation Systems - Efficiency and Incentives". 750,950 NIS. 2017-2020. Joint with Moshe Tennenholtz (31 of 134 applications granted).

## **PUBLICATIONS**

### **Theses:**

M.Sc. thesis: "The Asymptotic Value of Two House Weighted Majority Games", Tel Aviv University, 1991.

Ph.D. thesis: "Dynamic Learning in Multi-Agent Games", Tel Aviv University, 1995.

### Refereed papers in professional journals:

#### Published (student are underlined)

1. Lehrer, Ehud and Rann Smorodinsky. "Compatible Measures and Merging", *Mathematics of Operations Research*, 21 (3), 697–706, 1996.
2. Lehrer, Ehud and Rann Smorodinsky. "Repeated Large Games with Incomplete Information", *Games and Economic Behavior*, 18, 116–134, 1997.
3. Sandroni, Alvaro and Rann Smorodinsky. "The Speed of Rational Learning", *International Journal of Game Theory*, 28, 199–210, 1999.
4. Jackson, Matthew O., Ehud Kalai and Rann Smorodinsky. "Bayesian Representation of Stochastic Processes under Learning: de Finetti Revisited", *Econometrica*, 67 (4), 875–894, 1999.
5. Kalai, Ehud, Ehud Lehrer and Rann Smorodinsky. "Calibrated Forecast and Merging", *Games and Economic Behavior* (special issue in honor of David Blackwell), 29, 151–169, 1999.
6. Lehrer, Ehud and Rann Smorodinsky. "Relative Entropy in Sequential Decision Problems", *Journal of Mathematical Economics*, 33, 425–439, 2000.
7. Al-Najjar, Nabil and Rann Smorodinsky. "Pivotal Players and the Characterization of Influence". *Journal of Economic Theory*, 92, 318–342, 2000.
8. Al-Najjar, Nabil and Rann Smorodinsky. "Provision of Public Goods with Bounded Project Costs". *Economics Letters*, 67, 297–301, 2000.
9. Smorodinsky, Rann. "The Reflection Effect for Constant Risk Averse Agents", *Mathematical Social Sciences*, 40, 265–276, 2000.
10. Al-Najjar, Nabil and Rann Smorodinsky. "Large Non-Anonymous Repeated Games", *Games and Economic Behavior*, 37 (1), 26–39, 2001.
11. Sandroni, Alvaro, Rann Smorodinsky and Rakesh Vohra. "Calibration with Many Checking Rules". *Mathematics of Operations Research*, 28 (1), 141–153, 2003.
12. Sandroni, Alvaro and Rann Smorodinsky. "Belief Based Equilibrium". *Games and Economic Behavior*, 47 (1), 151–171, 2004.
13. Neyman, Avraham and Rann Smorodinsky. "Asymptotic Values of Vector Measure Games". *Mathematics of Operations Research*, 29 (4), 739–775, 2004.
14. Smorodinsky, Rann. "Nash's Bargaining Solution when the Disagreement Point is Random". *Mathematical Social Sciences*, 50 (1), 3–11, July 2005.

15. Smorodinsky, Rann and Moshe Tennenholtz. "Overcoming Free Riding in Multi-Party Computations—The Anonymous Case". *Games and Economic Behavior*, 55 (2), 385–406, May 2006 (Mini Special Issue: Electronic Market Design).
16. Gneezy, Uri and Rann Smorodinsky. "All Pay Auctions—An Experimental Study". *Journal of Economic Behavior and Organization*, 61/2, October, 2006
17. Al-Najjar, Nabil and Rann Smorodinsky. "The Efficiency of Competitive Mechanisms under Private Information". *Journal of Economic Theory*, 137, 383–403, 2007.
18. Al-Najjar, Nabil, Alvaro Sandroni, Rann Smorodinsky and Jonathan Weinstein. "Testing Theories with Learnable and Predictive Representations". *Journal of Economic Theory*, 145, 2203–2217, November 2010.
19. (\*) Aricha, Inbar and Rann Smorodinsky. "Information Elicitation and Sequential Mechanisms". *International Journal of Game Theory*, 42 (4), 931–946, 2013.
20. (\*) Kuniavski Sergey and Rann Smorodinsky. "Greediness and Equilibrium in Congestion Games". *Economics Letters*, 121 (3), 499–503, December 2013.
21. (\*) Kuniavski Sergey and Rann Smorodinsky. "Equilibrium and Potential in Coalitional Congestion Games." *Theory and Decision*, 76 (1), 69–79, 2014.
22. (\*) Polevoy, Gleb, Rann Smorodinsky and Moshe Tennenholtz. "Signaling Competition and Social Welfare." *ACM Transactions on Economics and Computation (TEAC)*, 2 (1), March 2014.
23. (\*) Rozen, Rakefet and Rann Smorodinsky. "Ex-Post Equilibrium and VCG Mechanisms". *Transactions on Economics and Computation (TEAC)*, 2 (2), June, 2014.
24. (\*) Levy, Omer, Rann Smorodinsky and Moshe Tennenholtz. "Undivide and Conquer: On Selling a Divisible and Homogeneous Good. *The B.E. Journal of Theoretical Economics*, 15 (1), 1–23. ISSN (Online) 1935–1704, ISSN (Print) 2194–6124, DOI: 10.1515/bejte-2014-0002, July 2014.
25. Fu, Hu, Robert D. Kleinberg, Ron Lavi and Rann Smorodinsky. "Job Security, Stability and Production Efficiency". *Theoretical Economics*, Vol. 12 (1), January 2017.
26. Fu, Hu, Robert D. Kleinberg, Ron Lavi and Rann Smorodinsky. "Stability and Auctions in Labor Markets with Job Security". *Economics Letters*. Volume 154, May 2017, Pages 55-58. 2017. <https://doi.org/10.1016/j.econlet.2017.02.024>
27. Gradwohl, Ronen and Rann Smorodinsky. "Perception Games and Privacy". *Games and Economic Behavior*. Volume 104, 293-308. 2017.
28. Nissim, Kobbi, Rann Smorodinsky and Moshe Tennenholtz, "Segmentation, Incentives and Privacy". *Mathematics of Operations Research*. Forthcoming. 2017.

### Review papers

29. Lehrer, Ehud and Rann Smorodinsky. "Merging and Learning" in *Statistics, Probability and Game Theory: Papers in Honor of David Blackwell* (Tom Ferguson, Lloyd Shapley and J.B. MacQueen, eds.), IMS Lecture Notes-Monograph Series, Volume 30, 1996.

**Refereed papers in conference proceedings**

30. Smorodinsky, Rann and Moshe Tennenholtz. "Sequential Information Elicitation in Multi-Agent Systems", Twentieth Conference on Uncertainty in Artificial Intelligence (UAI-2004), 2004.
31. Nissim, Kobbi, Rann Smorodinsky and Moshe Tennenholtz. "Approximately Optimal Mechanism Design via Differential Privacy", *The 3rd Innovations in Theoretical Computer Science (ITCS) Conference*, 2012.
32. Orlandi, Claudio, Kobbi Nissim and Rann Smorodinsky. "Privacy Aware Mechanism Design." *EC2012*, 2012.
33. (\*) Bahar, Gal, Rann Smorodinsky and Moshe Tennenholtz. "Economic Recommendation Systems". 17<sup>th</sup> ACM conference on Economics & Computation (EC), 2016.  
<http://dl.acm.org/citation.cfm?id=2940719>
34. Arieli, Itai, Yakov Babichenko and Rann Smorodinsky. "Forecast Aggregation". 18<sup>th</sup> ACM conference on Economics & Computation (EC), 2017.
35. Babichenko Yakov, Yuval Emek, Michal Feldman, Boaz Patt-Shamir, Ron Peretz and Rann Smorodinsky. "Stable Secretaries". 18<sup>th</sup> ACM conference on Economics & Computation (EC), 2017.
36. (\*) Itai Arieli, Moran Koren, Rann Smorodinsky. "The Crowdfunding Game". The Conference on Web and Internet Economics (WINE), 2017.
37. Argyrios Deligkas, Erez Karpas, Ron Lavi and Rann Smorodinsky. "Traffic Light Scheduling, Value of Time, and Incentives." The 27th International Joint Conference on Artificial Intelligence (IJCAI), 2018.
38. (\*) Itai Arieli, Moran Koren, Rann Smorodinsky. "The One-shot Crowdfunding Game". 19<sup>th</sup> ACM conference on Economics & Computation (EC), 2018.

**Papers under review**

39. (\*) Itai Arieli, Moran Koren, Rann Smorodinsky. "Bayesian learning in markets with common value." 2017
40. Rann Smorodinsky, Shakhbar Smorodinsky. "On the Price of Anarchy in Hypergraph Coloring Games." 2017
41. (\*) Itay Kaveler, Rann Smorodinsky. "On Comparison of Experts".
42. Itai Arieli, Yakov Babichenko and Rann Smorodinsky. "Robust Forecast Aggregation".
43. Itai Arieli, Yakov Babichenko and Rann Smorodinsky. "When is the Crowd Wise?"



**Work in progress**

44. (\*) Gal Bahar, Itai Arieli, Rann Smorodinsky, Moshe Tennenholtz. "Multi-Issue Social Learning."
45. Gail Gilboa-Freedman, Kobbi Nissim, Rann Smorodinsky. "On the Characterization of Privacy Loss".
46. Gail Gilboa-Freedman, Rann Smorodinsky. "Characterization of Social Choice."
47. (\*) Itai Arieli, Moran Koren, Rann Smorodinsky. "Predatory pricing and information aggregation in markets with a common value."
48. (\*) Bahar, Gal, Rann Smorodinsky and Moshe Tennenholtz. "The Concierge's Problem."

**Research reports or case reports (unpublished)**

49. (\*) Agmon, Orna and Rann Smorodinsky. "Off-Line Cluster Scheduling", 2002.
50. (\*) Hazanov, Olga and Rann Smorodinsky. "Inspecting 'Lemons'—an Anecdotal Example", 2004.
51. Smorodinsky, Rann. "A Simple Model of Oligarchy" (2004).
52. (\*) Galed, Eran and Rann Smorodinsky. "A Simple Model of Sequential Public Good Mechanisms", 2010.
53. Hochman, Gal and Rann Smorodinsky. "Why Some Governments Choose to Initiate Negotiations, while Others Enter the Agreement at a Later Date?"
54. (\*) Smorodinsky, Rann and Wafung Wong. "Braess Paradox in Atomic Congestion Games", 2011.

## CONFERENCES

### Plenary, keynote or invited Talks:

MSJ Math. Econ. Conference, Austin, TX, April 1996: "Calibrated Forecasting and Merging".

Universita' D'Annunzio, Pescara, Italy, May 1997: Mini-course on Rational Learning,

Seminar in Mathematical Economics (Danish Research Council), Copenhagen, Denmark, June 1999: "Bayesian Representation of Stochastic Processes under Learning: de Finetti Revisited".

Workshop on "On-Line Decision Making in Game Theory and Computer Sciences", DIMACS (Rutgers University), July 1999: "Bayesian Representation of Stochastic Processes under Learning: de Finetti Revisited" and "Calibration with Many Checking Rules".

Taj-IBM Conference on Game Theory & Its Applications, Mumbai, India. Jan. 2003: "Equilibrium in an Asynchronous Model".

Conference on Current Trends in Economics (organized by the Society for the Advancement of Economic Theory), Rhodes, June 2003: Equilibrium in Asynchronous Models".

Workshop on Markets and Computation, January 2005, Dagstuhl, Germany: "Overcoming Free Riding in Multi-Party Computations—The Anonymous Case".

American Economic Association meetings, Boston USA, January 6–8, 2006.

FCNS workshop on "Future Challenges in Network Security: From Blue-Sky Research down the Network Packets". Prague, Czech Republic, June 21–23, 2010

Workshop on "Decentralized Mechanism Design", Princeton, New Jersey, June 3–4, 2010.

Workshop on "Stochastic Methods in Game Theory", Ettore Majorana Centre, Erice, Sicily, September 8–16, 2010.

"Game Theory, Operations Research and Applications", Hyderabad, India. Dec 21–22, 2012 (keynote speaker).

4th Workshop on Stochastic Methods in Game Theory, Ettore Majorana Centre, Erice, Sicily, September 6–15, 2013 (eventually I did not attend).

Workshop on "Learning in Social Networks", IESE, Barcelona, Spain, July 1–3, 2014.

Research Workshop in honor of Ehud Kalai, Tel-Aviv univ. Israel. July 2017.

Beliefs and Economic Behavior conference, Tel-Aviv University, June 19-21, 2018

Workshop on Information and Social Economics. Caltech, July 26-28, 2018.

Algorithmic aspects of Social Choice and Auctions. St.Petersburg School of Economics and Management. Aug 9-10, 2018.

**Invited Seminars:****“Overcoming Free Riding in Multi-Party Computations— The Anonymous Case”**

- Tel-Aviv University, Game Theory seminar, Nov. 2003.
- Hebrew University, Center for Rationality, Nov. 2003.
- Cornell University, CS Theory seminar, Dec. 2003.
- Stanford University, Robotics lab seminar at the CS Department, Dec. 2003.
- Northwestern University, Joint Theory seminar of Graduate School of Business and Economics Department, Dec. 2003.

**"Equilibrium in an Asynchronous Model"**

- Stanford University, Joint Theory seminar of Graduate School of Business and Economics Department, Nov. 2003.

**“The Efficiency of Competitive Mechanisms under Private Information”**

- Rutgers University, Economics seminar: October, 2004.
- Chicago University, Economics seminar, October 2004.
- Washington University, Joint Theory seminar of Graduate School of Business and Economics Department, October 2004
- Hebrew University, Institute for Advanced Studies, Dec. 2004.

**"Testing Theories with Learnable and Predictive Representations"**

- Tel-Aviv University, Economic Theory seminar, Nov. 2008.

**“Approximately Optimal Mechanism Design via Differential Privacy”**

- Brown University, Economic Theory seminar, Oct. 2010.
- Northwestern University, Joint Theory seminar of Graduate School of Business and Economics Department, Oct. 2010.
- Oxford University, Economic Theory seminar, Feb. 2011.
- Cambridge University, Economic Theory seminar, Feb. 2011.
- London School of Economics, Economic Theory seminar, Feb. 2011.
- Stanford University, Joint Theory seminar of Graduate School of Business and Economics Department, May 2011.
- Caltech, HSS seminar, May 2011.
- UCSD, Rady Business School Theory seminar, May 2011.

**“Job Security, Stability and Production Efficiency”**

- Northwestern University, Bag-Lunch Theory seminar, Oct 2013.
- Tel-Aviv University Economics seminar, March 2014.
- Aalto University, Helsinki, March 2014.
- Toulouse School of Economics, April 2014.
- Paris Game Theory seminar (joint to all Paris universities), May 2014.
- IESE Business School, Barcelona, June 2014.

**“Perception Games and Privacy"**

- Monash University, Melbourne, Economics department, Sep 2014
- Nagoya University, Economics department, Sep 2015
- Korea University, Seoul, Economics department, April 2017

“Social Learning in Markets with Common Value”

- University of Glasgow, Adam Smith school of Business, May 2017.
- Maastricht University, Economics department, Dec 2017.
- Milan-Bicocca, Economics department, Jan 2018.
- Bocconi University, Jan 2018.
- Northwestern University, Kellogg Graduate School of Management and Economics Department, May 2018.

**Contributed Talks:**

- International Conference on Game Theory, Stony Brook, July 1993: "Large Games with Incomplete Information".
- International Conference on Game Theory, Hebrew University, June 1995: "Settlement Schemes—Expect the Unexpected".
- Midwest Mathematical Economics Meetings at Minneapolis, Oct. 1995: "Large Games with Incomplete Information".
- Midwest Mathematical Economics Meetings at Purdue, April 1996: "Calibrated Forecasting and Merging".
- Game Theory Conference, St. Petersburg, June 1996: "Calibrated Forecasting and Merging".
- Midwest Mathematical Economics Meetings at Washington University, St. Louis, Oct. 1996: "Patterns, Types and Bayesian Learning".
- Midwest Mathematical Economics Meetings at Northwestern University, April 1997: "Pivotal Players and the Characterization of Influence".
- Third Spanish Meetings on Game Theory, June 1998, Barcelona, Spain: “Dynamic Foundations for Equilibrium”.
- Workshop on Learning in Game Theory, July 1998, Stonybrook, USA: “Dynamic Foundations for Equilibrium”.
- The Game Theory Society Congress, July 2000, Bilbao, Spain: “Equilibrium in an Asynchronous Model”.
- Israeli Game Theory Meetings, 2003, Tel-Aviv University: “Equilibrium in an Asynchronous Model”.
- Murat Sertel Game Theory Conference, May 2004, Istanbul, Turkey: “The Efficiency of Competitive Mechanisms under Private Information”
- The Game Theory Society Congress, July 2004, Marseilles, France: “Overcoming Free Riding in Multi-Party Computations—The Anonymous Case.”

- Sixth Spanish Meetings on Game Theory, July 2004, Elche, Spain: “Overcoming Free Riding in Multi-Party Computations—The Anonymous Case.”
- The European Economic Association and Econometric Society Meetings 2004 (EEA-ESEM 2004), Madrid, Aug. 2004: “The Efficiency of Competitive Mechanisms under Private Information”.
- Workshop on “Large Scale Games”, DIMACS, April 2005, held at Northwestern University: “The Efficiency of Competitive Mechanisms under Private Information”.
- 2<sup>nd</sup> Brazilian Meeting of the Game Theory Society, Sao-Paulo, July 2010: “Approximately Optimal Mechanism Design via Differential Privacy”.
- European Econometric Society meetings, Aug 2010, Glasgow: "Testing Theories with Learnable and Predictive Representations".
- Game Theory 4<sup>th</sup> World Congress, July 2012, Istanbul: “Signaling Competition”.
- Midwest Mathematical Economics Meetings at Ann-Arbor, MI, October 2013: “Job Security, Stability and Production Efficiency”.
- Dynamic Approach to Game and Economic Theory, Hebrew University, June 2015: "Perception Games and Privacy".
- Game Theory 5<sup>th</sup> World Congress, July 2016, Maastricht: “Perception Games and Privacy”.
- The Twelfth International Conference on Game Theory and Management, 27-29 June, 2018. Saint Petersburg, Russia: "The Crowdfunding Game".

### **Competitive grant submissions rejected with high grade**

ISF, 2004. "The Impact of Personal Actions on Collective Outcomes - Strategic Considerations"

BSF, 2004. "Pivotalness and Efficiency in Large Games" (joint with N. Al-Najjar)

BSF, 2006. "Coalitional Congestion Games" (joint with D. Monderer and E. Tardos)

BSF, 2008. "Testing Theories in Restricted Domains" (joint with N. Al-Najjar)

ISF, 2009. "Sequential Mechanism Design"

ISF, 2017. "Robust aggregation of experts' advice" (joint with I. Arieli)