Curriculum Vitae
Reshef Meir

Personal details

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Education

2009-2013: Ph.D. in Computer Science, Hebrew University of Jerusalem.
Dissertation title: "Mechanisms for Stability and Welfare: Increasing Cooperation among Self Interested Agents." Advisor: Jeffrey S. Rosenschein

2006-2008: M.Sc. (Magna cum Laude) in Computer Science, Hebrew University of Jerusalem. Advisor: Jeffrey S. Rosenschein

2003-2006: B.Sc. (Magna cum Laude) in Computer Science, Cognitive Sciences, and 'Amirim' special honors program, Hebrew University of Jerusalem

Academic awards

- Schlomiuk prize for outstanding PhD thesis, The Hebrew University of Jerusalem (2014)
- Honorable mention for Victor Lesser Distinguished Dissertation Award, International Foundation for Autonomous Agents and Multi-Agent Systems (2014)
- The Michael B. Maschler Prize to an outstanding research student in game theory (2013)
- Rothschild post-doctoral fellowship (2013)
- Grusso foundation award for distinguished doctoral students (2013)
- Honorable mention award for the paper "On the Value of using Group Discounts under Price Competition" (AAAI-13)

Research

2013- : Post-doctoral fellow, Center for Research on Computation and Society, Harvard University (full fellowship for two years)

2011-2013: Research assistant, Hebrew University

2010 -2013: Research internship, Microsoft Research

Teaching

2014 : Teaching practicum, Harvard SEAS

2009 -2013: "Mathematical Foundations of Artificial Intelligence" (teacher)

Scientific service and affiliations

Co-organizer of CoopMAS@AAMAS 2014, CoopMAS@AAMAS 2015, AGT@IJCAI 2015

Senior Program Committee member: IJCAI 2015

Program Committee member: IJCAI (2011, 2013), AAAI (2011, 2014, 2015), ACM-EC (2013, 2014, 2015), WINE 2013, AAMAS 2014, AAMAS 2015 (nominated for best PC member), ADT 2015

Journal paper reviews: AIJ, Algorithmica, EJOR, IPL, JAIR, MOR, TEAC and TOCS

Publications in journals and in highly refereed conferences:

- *Bidding Games and Efficient Allocations*. Gil Kalai, Reshef Meir and Moshe Tennenholtz. Proceedings of the 16th ACM Conference on Electronic Commerce (EC '15), June 2015, Portland OR. To appear.

- *On Sex, Evolution, and the Multiplicative Weights Update Algorithm*. Reshef Meir and David Parkes. Proceedings of the 12th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS '15), May 2015, Istanbul, Turkey.

- *A Study of Human Behavior in Voting Systems*. Maor Tal, Ya'akov Gal, and Reshef Meir. Proceedings of the 12th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS '15), May 2015, Istanbul, Turkey.

- *Strategic Voting Behavior in Doodle Polls*. James Zou, Reshef Meir, and David Parkes. Proceedings of the 18th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW '15), March 2015, Vancouver, BC, Canada, pp. 464-472.

- *Plurality Voting under Uncertainty*. Reshef Meir. Proceedings of the 29th ACM Conference on Artificial Intelligence (AAAI '15), January 2015, Austin, TX, pp. 2103-2109.

- *Congestion Games with Distance Based Strict Uncertainty*. Reshef Meir and David Parkes. Proceedings of the 29th ACM Conference on Artificial Intelligence (AAAI '15), January 2015, Austin, TX, pp. 986-992.

- *A Local-Dominance Theory of Voting Equilibria,* Reshef Meir, Omer Lev, and Jeffrey S. Rosenschein. Proceedings of the 15th ACM Conference on Electronic Commerce (EC '14), June 2014, Palo Alto, CA, pp. 313-330.

- *On the Value of Using Group Discounts under Price Competition*, Reshef Meir, Tyler Lu, Moshe Tennenholtz and Craig Boutilier. Artificial Intelligence, 2014, Volume 216, pp. 163-178.

- *Competition in the Presence of Social Networks: How Many Service Providers Maximize Welfare?* Moran Feldman, Reshef Meir and Moshe Tennenholtz. Proceedings of the 9th conference on Web and Internet Economics (WINE '13), December 2013, Cambridge, MA.

- *On the Value of Using Group Discounts under Price Competition*, Reshef Meir, Tyler Lu, Moshe Tennenholtz and Craig Boutilier. Proceedings of the 27th ACM Conference on Artificial Intelligence (AAAI '13), July 2013, Bellevue, WA, pp. 683-689. ***Honorable Mention for Outstanding Technical Quality and Clarity of Presentation.***

- *Bundling Attacks in Judgment Aggregation,* Noga Alon, Dvir Falik, Reshef Meir and Moshe Tennenholtz. Proceedings of the 27th ACM Conference on Artificial Intelligence (AAAI '13), July 2013, Bellevue, WA, pp. 39-45.

- *Bounding the Cost of Stability in Games over Interaction Networks*, Reshef Meir, Yair Zick, Edith Elkind and Jeffrey S. Rosenschein. Proceedings of the 27th ACM Conference on Artificial Intelligence (AAAI '13), July 2013, Bellevue, WA, pp. 690-696.

- *Avoid Fixed Pricing: Consume Less, Earn More, Make Clients Happy,* Reshef Meir and Jeffrey S. Rosenschein. Proceedings of the 12th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS '13), Saint Paul, MN, pp. 239-246.

- *Efficient Parking Allocation as Online Bipartite Matching,* Reshef Meir, Yiling Chen and Michal Feldman. Proceedings of the 12th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS '13), Saint Paul, MN, pp. 303-310.

- *Congestion Games with Agent Failures,* Reshef Meir, Moshe Tennenholtz, Yoram Bachrach and Peter Key. Proceedings of the 26th ACM Conference on Artificial Intelligence (AAAI `12), July 2012, Toronto, Canada, pp. 1401-1407.

- *Mechanism Design on Discrete Lines and Cycles,* Elad Dokow, Michal Feldman, Reshef Meir and Ilan Nehama. Proceedings of the 13th ACM Conference on Electronic Commerce (EC `12), June 2012, Valencia, Spain, pp. 423-440.

- *Algorithms for Strategyproof Classification*, Reshef Meir, Ariel D. Procaccia and Jeffrey S. Rosenschein. Artificial Intelligence, 2012, Volume 186, pp. 123-156.

- *Stability Scores: Measuring Coalitional Stability,* Michal Feldman, Reshef Meir and Moshe Tennenholtz. Proceedings of the 11th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS `12), June 2012, Valencia, Spain, pp. 771-778.

- *Solving Cooperative Reliability Games*, Yoram Bachrach, Reshef Meir, Michal Feldman and Moshe Tennenholtz. Proceedings of the 27th Conference on Uncertainty in Artificial Intelligence (UAI `11), July 2011, Barcelona, Spain, pp. 27-34.

- *Subsidies, Stability, and Restricted Cooperation in Coalitional Games*, Reshef Meir, Jeffrey S. Rosenschein and Enrico Malizia. Proceedings of the 22nd International Joint Conference on Artificial Intelligence (IJCAI `11), July 2011, Barcelona, Spain, pp. 301-306.

- *Tight Bounds for Strategyproof Classification,* Reshef Meir, Shaull Almagor, Assaf Michaely, and Jeffrey S. Rosenschein. The 10th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS `11), May 2011, Taipei, Taiwan. pp. 319-326.

- *Convergence to Equilibria of Plurality Voting*, Reshef Meir, Maria Polukarov, Jeffrey S. Rosenschein and Nicholas R. Jennings. The 24th National Conference on Artificial Intelligence (AAAI `10), July 2010, Atlanta, GA, pp. 823-828.

- *Coalitional Structure Generation in Skill Games*, Yoram Bachrach, Reshef Meir, Kyomin Jung and Pushmeet Kohli. The 24th National Conference on Artificial Intelligence (AAAI `10), July 2010, Atlanta, GA, pp. 703-708.

- *On the Limits of Dictatorial Classification*, Reshef Meir, Ariel D. Procaccia and Jeffrey S. Rosenschein. The 9th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS `10), May 2010, Toronto, Canada, pp. 609-616.

- *Strategyproof Classification with Shared Inputs*, Reshef Meir, Ariel D. Procaccia and Jeffrey S. Rosenschein. The 21st International Joint Conference on Artificial Intelligence (IJCAI `09), July 2009, Pasadena, CA, pp. 220-225.

- *Complexity of Strategic Behavior in Multi-Winner Elections*, Reshef Meir, Ariel D. Procaccia, Jeffrey S. Rosenschein and Aviv Zohar. Journal of Artificial Intelligence Research. Volume 33, September 2008, pp. 149-178.

- *Strategyproof Classification under Constant Hypotheses: A Tale of Two Functions*, Reshef Meir, Ariel D. Procaccia and Jeffrey S. Rosenschein. The 23rd National Conference on Artificial Intelligence (AAAI `08), July 2008, Chicago, IL, pp. 126-131.

- *A Broader Picture of the Complexity of Strategic Behavior in Multi-Winner Elections*, Reshef Meir, Ariel D. Procaccia and Jeffrey S. Rosenschein. The 7th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS`08), May 2008, Estoril, Portugal, pp. 991-998.

Publications in workshops and in other refereed venues:

- *Walrasian Equilibrium with Few Buyers*, Reshef Meir and Moshe Tennenholtz, The 7th International Symposium on Algorithmic Game Theory (SAGT `14), October 2014, Patras, Greece, pp.170-181.

- *Approval Voting Behavior in Doodle Polls,* James Zou, Reshef Meir and David Parkes. The 5th Workshop on Computational Social Choice (COMSOC'14), June 2014, Pittsburgh, PA.

- *The Value of Ignorance about the Number of Players* (extended abstract), Noga Alon, Reshef Meir and Moshe Tennenholtz. The 27th ACM Conference on Artificial Intelligence (AAAI '13), July 2013, Bellevue, WA.

- *A Note on Potential Functions, Congestion Games, and the Shapley Value*. Reshef Meir. The 4th Workshop on Cooperative Games in Multiagent Systems (CoopMAS @ AAMAS`13), May 2013, Saint Paul, MN.

- *On Coalitions and Stable Winners in Plurality*. Dvir Falik, Reshef Meir and Moshe Tennenholtz. Proceedings of the 8th Workshop on Internet and Network Economics (WINE `12), December 2012, pp. 257-270.

- *Bounding the Cost of Stability in Games with Restricted Interaction*, Reshef Meir, Yair Zick, Edith Elkind and Jeffrey S. Rosenschein. The 4th Workshop on Computational Social Choice (COMSOC`12), October 2012, Krakow, Poland.

- *Optimization and Stability in Games with Restricted Interactions*, Reshef Meir, Yair Zick, and Jeffrey S. Rosenschein. The 3rd Workshop on Cooperative Games in Multiagent Systems (CoopMAS @ AAMAS`12), June 2012, Valencia, Spain.

- *Revenue Enhancement in Ad Auctions,* Michal Feldman, Reshef Meir and Moshe Tennenholtz. Proceedings of the 7th Workshop on Internet and Network Economics (WINE `11), December 2011, Singapore, pp. 391-398.

- *Subsidies, Stability, and Restricted Cooperation in Coalitional Games*, Reshef Meir, Jeffrey S. Rosenschein and Enrico Malizia. The 2nd Workshop on Cooperative Games in Multiagent Systems (CoopMAS @ AAMAS`11), May 2011, Taipei, Taiwan.

- *Minimal Subsidies in Expense Sharing Games*, Reshef Meir, Yoram Bachrach, and Jeffrey S. Rosenschein. The 3rd International Symposium on Algorithmic Game Theory (SAGT `10), October 2010, Athens, Greece, pp. 347-358.

- *A Game-theoretic Approach to Leasing Agreements can Reduce Congestion*, Reshef Meir and Jeffrey S. Rosenschein. The 6th Workshop on Agents in Traffic and Transportation (ATT @ AAMAS `10), May 2010, Toronto, Canada, pp. 67-76.

- *The Cost of Stability in Coalitional Games*, Yoram Bachrach, Edith Elkind, Reshef Meir, Dmitrii Pasechnik, Michael Zuckerman, Joerg Rothe and Jeffrey S. Rosenschein. The 2nd International Symposium on Algorithmic Game Theory (SAGT `09), October 2009, Paphos, Cyprus, pp. 122-134.

- *The Cost of Stability in Network Flow Games*, Ezra Resnick, Yoram Bachrach, Reshef Meir and Jeffrey S. Rosenschein. The 34th International Symposium on Mathematical Foundations of Computer Science (MFCS `09), August 2009, Novy Smokovec, High Tatras, Slovakia, pp. 636-650.

- *The Cost of Stability in Weighted Voting Games* (extended abstract), Yoram Bachrach, Reshef Meir, Michael Zuckerman, Joerg Rothe and Jeffrey S. Rosenschein. The 8th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS'09), May 2009, Budapest, Hungary, pp. 1289-1290.

- *Learning the Bug from Many Runs: A New Coverage-Driven Approach for Automatic Debugging*. Reshef Meir and Yuval Dinary. Cadence Technical Conference, Anaheim, CA, May 2008.

Selected talks (in venues without proceedings and referees):

- *A Local-Dominance Theory of Voting Equilibria.* The 12th Meeting of the Society for Social Choice and Welfare, Boston College, June 2014, Newton, MA.

- *On the Value of using Group Discounts under Price Competition*. EconCS seminar, Microsoft Research, November 2013, Cambridge, MA.

- *Cooperation in Social Networks, and the Cost of Stability*. Center for Research on Computation and Society, Harvard University, November 2013, Cambridge, MA.

- *Convergence to Equilibria of Plurality Voting.* The workshop on modeling Interaction, Dialog, Social Choice, and Vagueness, April 2010, Amsterdam, The Netherlands.

- *On the Limits of Dictatorial Classification.* Department Colloquium, University of Alberta, May 2010, Edmonton, Canada.

- *Strategyproof Classification with Shared Inputs.* Bar-Ilan Symposium on Foundations of Artificial Intelligence, June 2009, Tel Aviv, Israel

- *Plurality Voting under Uncertainty* [Meir, AAAI'15]
- *Congestion Games with Distance Based Strict Uncertainty* [Meir & Parkes, AAAI'15]
- *Strategic Voting Behavior in Doodle Polls* [Zou, Meir & Parkes, CSCW'15]
- *Walrasian Equilibrium with Few Buyers* [Meir & Tennenholtz, SAGT'14]
- *A Local-Dominance Theory of Voting Equilibria* [Meir, Lev & Rosenschein, EC'14]
- *On the Value of Using Group Discounts under Price Competition* [Meir et al., AIJ'14, AAAI'13].
- *The Value of Ignorance about the Number of Players* (extended abstract) [Alon, Meir & Tennenholtz, AAAI'13]
- *Competition in the Presence of Social Networks: How Many Service Providers Maximize Welfare?* [Feldman, Meir & Tennenholtz, WINE'13]
- *Bundling Attacks in Judgment Aggregation* [Alon et al., AAAI'13]
- *Bounding the Cost of Stability in Games over Interaction Networks* [Meir et al, AAAI'13]
- *Avoid Fixed Pricing: Consume Less, Earn More, Make Clients Happy* [Meir &Rosenschein, AAMAS'13]
- *Efficient Parking Allocation as Online Bipartite* Matching [Meir, Chen &Feldman, AAMAS'13].
- *On Coalitions and Stable Winners in Plurality*. [Falik, Meir & Tennenholtz, WINE'12]
- *Congestion Games with Agent Failures* [Meir et al., AAAI'12].
- *Mechanism Design on Discrete Lines and Cycles* [Dokow et al., EC'12]
- *Algorithms for Strategyproof Classification* [Meir, Procaccia & Rosenschein, AIJ'12]
- *Stability Scores: Measuring Coalitional Stability* [Feldman, Meir & Tennenholtz, AAMAS'12].
- *Revenue Enhancement in Ad Auctions,* [Feldman, Meir & Tennenholtz, WINE'11]
- *Solving Cooperative Reliability Games* [Bachrach et al., UAI'11].
- *Subsidies, Stability, and Restricted Cooperation in Coalitional Games* [Meir, Rosenschein & Malizia, IJCAI `11]
- *Tight Bounds for Strategyproof Classification* [Meir et al., AAMAS `11]
- *Minimal Subsidies in Expense Sharing Games*, [Meir, Bachrach & Rosenschein, SAGT `10]
- *Convergence to Equilibria of Plurality Voting* [Meir et al., AAAI `10]
- *Coalitional Structure Generation in Skill Games* [Bachrach et al.,AAAI `10]
- *On the Limits of Dictatorial Classification* [Meir, Procaccia & Rosenschein, AAMAS`10]
- *The Cost of Stability in Coalitional Games* [Bachrach et al., SAGT'09]
- *The Cost of Stability in Network Flow Games* [Resnick et al.,MFCS `09]
- *Strategyproof Classification with Shared Inputs* [Meir, Procaccia & Rosenschein, IJCAI'09]
- *Complexity of Strategic Behavior in Multi-Winner Elections* [Meir et al., JAIR'09]
- *Strategyproof Classification under Constant Hypotheses: A Tale of Two Functions* [Meir, Procaccia & Rosenschein, AAAI `08]

- *A Broader Picture of the Complexity of Strategic Behavior in Multi-Winner Elections*, [Meir ,Procaccia & Rosenschein, AAMAS`08]