

Evangelos Markakis - Curriculum Vitae

PERSONAL DATA

Birth: September 28, 1977, Athens, Greece
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Current Position: Assistant Professor
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EDUCATION

Georgia Institute of Technology, Atlanta, Georgia, USA

Ph.D. in Computer Science (Algorithms, Combinatorics, and Optimization Program), 2005.

Dissertation Title: Computational Aspects of Game Theory and Microeconomics
Advisor: Richard J. Lipton

M.Sc. in Computer Science, 2004.

GPA: 4/4

National Technical University of Athens, Athens, Greece

Diploma (5-year B.Sc. degree with thesis) in Electrical and Computer Engineering, 1995-2000.

Thesis: Logics of Knowledge and Belief - Belief Revision

Advisor: Stathis Zachos

GPA: 9.36/10 (ranked 2nd out of 250)

EMPLOYMENT - POSITIONS HELD

September 2014 - present: Assistant Professor, Athens University of Economics and Business, Dept. of Informatics, Athens, Greece.

February 2014 - August 2014: Visiting Scholar, Stanford University, Palo Alto, California, USA.

March 2009 - January 2014: Lecturer, Athens University of Economics and Business, Dept. of Informatics, Athens, Greece (official appointment started in June 2010, hired as visiting professor before that)

- Teaching: Data Structures, Game Theory and Decision Theory, Cryptography and Applications (M.Sc. course), Special Topics in Theoretical Computer Science (M.Sc. course).

January 2007 - July 2008: Postdoctoral researcher, CWI (Center for Math and Computer Science), Amsterdam, the Netherlands

- Research: Supported by the EU Marie-Curie Research Training Network ADONET, and by the NWO research project DIACODEM (Distributed and Adaptive Collective Decision Making).

August 2005 - December 2006: Postdoctoral researcher, University of Toronto, Toronto, ON, Canada

- Teaching: Instructor for the course "Introduction to the Theory of Computation", Fall 2005 and 2006.
- Research: Supervised and supported by Prof. Avner Magen.

August 2000 - August 2005: PhD candidate, Georgia Institute of Technology, Atlanta, Georgia, USA

- Teaching: Teaching Assistant for the course 'Introduction to the Theory of Computation', Spring 2002.
- Research: Supervised and supported by Prof. Dick Lipton.

RESEARCH INTERESTS

1. Theoretical Computer Science, Approximation Algorithms, Combinatorial Optimization,
2. Game Theory and Mathematical Economics, Algorithmic Game Theory, Mechanism Design,
3. Applications of the above to Auctions, Voting Theory, Social Networks, Electronic Commerce.

HONORS AND AWARDS

Recipient of the Microsoft award for the External Research Program: "Beyond Search: Semantic Computing and Internet Economics", jointly with Sander Bohte, Nicole Immorlica and Han La Poutré, 2008.

Best student paper award (ACM Conference on Electronic Commerce, EC 2003) for the paper "On the Core of the Multicommodity Flow Game", co-authored with Amin Saberi.

Dean's fellowship, College of Computing, Georgia Institute of Technology, 2000-2001 (a fellowship intended for 1st year phd students).

Annual scholarship from the State Scholarships Foundation of Greece for high academic performance, 1995-2000.

Annual scholarship from the Bodosakis Foundation for high academic performance, 1995-2000.

Ranked 2nd in nationwide exams for college admission, Greece, 1995.

Award from the Greek Mathematical Society, 1994.

RESEARCH PROJECTS

- Member of the main research team in project THALIS-AGT (Algorithmic Game Theory), THALIS research funding program (co-financed by the European Social Fund and Greek national funds). Budget: 600,000. Duration: 1/10/2011 - 30/9/2015.
- Member of the main research team in project THALIS-ALGONOW (Algorithms of today: Social networks, data streaming, resource allocation and power management in communication and computing system), THALIS research funding program (co-financed by the European Social Fund and Greek national funds). Budget: 600,000. Duration: 1/10/2011 - 30/9/2015.
- Member of the main research team in project INCEPTION (Incentives Driven Participatory Sensing), ARISTEIA research funding program (co-financed by the European Social Fund and Greek national funds). Budget: 200,000. Duration: 15/10/2012 - 15/2/2015.
- Project Coordinator in DDCOD (Decision Making over Decentralized Combinatorial Domains), funding program for the support of postdoctoral researchers (supported postdoc: Orestis Telelis). Budget: 82,000. Duration: 28/3/2012 - 27/3/2015.
- Principal Investigator in PEBE3: Social Networks - Models and Diffusion Methods (AUEB - Basic Research Funding Program). Budget: 7,500. Duration: 1/3/2011 - 29/2/2012.
- Member of the coordinating team in project AMESA (Analysis of Mechanisms for Sponsored search Auctions), EU FP7 Network of Excellence EURO-NF, 1-year SJRP, Budget: 45,000. Duration: 1/11/2009 - 31/10/2010.

MEMBERSHIP IN OTHER EU PROJECTS/NETWORKS

- Management Committee member of COST Action IC1205 on Computational Social Choice, 2012-present.
- Management Committee member of COST Action IC0602 on Algorithmic Decision Theory, 2009-2011.

PROGRAM COMMITTEE MEMBERSHIPS IN CONFERENCES/WORKSHOPS

WINE 2015, PC co-chair: 11th Conference on Web and Internet Economics, Amsterdam, the Netherlands, December 2015.

IJCAI 2015, SPC member: 24rd International Joint Conference on Artificial Intelligence, Buenos Aires, Argentina, July 2015.

AGT@IJCAI 2015: 1st IJCAI Workshop on Algorithmic Game Theory, Buenos Aires, Argentina, July 2015.

AAMAS 2015: 14th International Conference on Autonomous Agents and Multi-agent Systems, Istanbul, Turkey, May 2015.

WINE 2014: 10th Conference on Web and Internet Economics, Beijing, China, December 2014.

SAGT 2014: 7th Symposium on Algorithmic Game Theory, Patras, Greece, October 2014.

EC 2014: 15th ACM Conference on Electronic Commerce, Palo Alto, CA, USA, June 2014.

WINE 2013: 9th Conference on Web and Internet Economics, Boston, MA, USA, December 2013.

IJCAI 2013: 23rd International Joint Conference on Artificial Intelligence, Beijing, China, August 2013.

EC 2013: 14th ACM Conference on Electronic Commerce, Philadelphia, PA, USA, June 2013.

CoopMAS 2013: 4th Workshop on Cooperative Games in Multi-agent Systems, Saint Paul, Minnesota, May 2013.

WINE 2012: 8th Workshop on Internet and Network Economics, Liverpool, UK, December 2012.

AAAI 2012: 26th National Conference of the American Association for Artificial Intelligence, Toronto, ON, Canada, July 2012.

EC 2012: 13th ACM Conference on Electronic Commerce, Valencia, Spain, June 2012.

AAMAS 2012: 11th International Conference on Autonomous Agents and Multi-agent Systems, Valencia, Spain, June 2012.

ISCO 2012: 2nd International Symposium on Combinatorial Optimization, Athens, Greece, April 2012.

WWW 2012: 21st International World Wide Web Conference, Track: Internet Monetization and Incentives, Lyon, France, April 2012.

AAAI 2011: 25th National Conference of the American Association for Artificial Intelligence, San Francisco, California, USA, August 2011.

EC 2011: 12th ACM Conference on Electronic Commerce, San Diego, California, USA, June 2011.

AAMAS 2011: 10th International Conference on Autonomous Agents and Multi-agent Systems, Taipei, Taiwan, May 2011.

CoopMAS 2011: 2nd Workshop on Cooperative Games in Multi-agent Systems, Taipei, Taiwan, May 2011.

WINE 2010: 6th Workshop on Internet and Network Economics, Stanford, California, USA, December 2010.

SAGT 2010: 3rd Symposium on Algorithmic Game Theory, Athens, Greece, October 2010.

EC 2010: 11th ACM Conference on Electronic Commerce, Boston, Massachusetts, USA, June 2010.

CoopMAS 2010: 1st Workshop on Cooperative Games in Multi-agent Systems, Toronto, ON, Canada, May 2010.

EC 2009: 10th ACM Conference on Electronic Commerce, Stanford, California, USA, June 2009.

AAMAS 2009: 8th International Conference on Autonomous Agents and Multi-agent Systems, Budapest, Hungary, May 2009.

SOFSEM 2009: 35th International Conference on Current Trends in Theory and Practice of Computer Science, Track: Game Theoretic Aspects of E-commerce, Spindleruv Mlyn, Czech Republic, January 2009.

WINE 2008: 4th Workshop on Internet and Network Economics, Shanghai, China, December 2008.

COMSOC 2008: 2nd International Workshop on Computational Social Choice, Liverpool, UK, September 2008.

EC 2008: 9th ACM Conference on Electronic Commerce, Chicago, Illinois, USA, June 2008.

WWW 2008: 17th International World Wide Web Conference, Track: Internet Monetization, Beijing, China, April 2008.

WINE 2007: 3rd Workshop on Internet and Network Economics, San Diego, California, USA, December 2007.

WINE 2006: 2nd Workshop on Internet and Network Economics, Patras, Greece, December 2006.

AAAI Workshop on Auction Mechanisms for Robot Coordination, Boston, Massachusetts, USA, July 2006.

EC 2006: 7th ACM Conference on Electronic Commerce, Ann Arbor, Michigan, USA, June 2006.

ORGANIZATION AND/OR CHAIRING OF CONFERENCES/WORKSHOPS

Co-chair (together with Guido Schaefer) of WINE 2015: 11th Conference on Web and Internet Economics, Amsterdam, the Netherlands, December 9-12, 2015.

Member of the organizing committee of ACAC 2013: 8th Athens Colloquium on Algorithms and Complexity, Athens, Greece, August 22-23, 2013.

Member of the organizing committee of ISCO 2012: 2nd International Symposium on Combinatorial Optimization, Athens, Greece, April 17-21, 2012.

Member of the organizing committee of ACAC 2009: 4th Athens Colloquium on Algorithms and Complexity, Athens, Greece, August 20-21, 2009.

EDITORIAL WORK

Co-editor, together with I. Milis and V. Th. Paschos, of TCS special issue on the topic "Combinatorial Optimization: Theory of Algorithms and Complexity", forthcoming, 2013.

Co-editor, together with A. R. Mahjoub, I. Milis and V. Th. Paschos, of the Proceedings of ISCO 2012: 2nd International Symposium on Combinatorial Optimization, Athens, Greece, April 17-21, 2012. Lecture Notes in Computer Science 7422, Springer 2012, ISBN 978-3-642-32146-7.

Co-editor, together with I. Milis, of the Proceedings of ACAC 2009: 4th Athens Colloquium on Algorithms and Complexity, Athens, Greece, August 20-21, 2009. EPTCS 4 (Electronic Proceedings in Theoretical Computer Science).

OTHER ACTIVITIES

Journal Reviews: I have served as a referee for the following journals:

Journal of the ACM, ACM Transactions on Economics and Computation (TEAC), Algorithmica, Theoretical Computer Science (TCS), SIAM Journal on Computing, INFORMS Journal on Computing, Operations Research Letters, Games and Economic Behavior (GEB), Journal of Artificial Intelligence Research (JAIR), Journal of Discrete Algorithms, Journal of Autonomous Agents and Multi-Agent

Systems, IEEE Transactions on Automation Science and Engineering, IEEE Transactions on Network Science and Engineering, Information Processing Letters.

Seminars: I have organized or co-organized the following seminars:

- Theory seminar (weekly meeting on theoretical computer science), University of Toronto, Dept. of Computer Science, August 2005 - December 2006.
- Theory tea (weekly meeting on theoretical computer science), Athens University of Economics and Business, Dept. of Informatics, February 2010 - present.

INVITED SPEAKER AT CONFERENCES/WORKSHOPS

- BRICKS (Basic Research in Informatics for Creating the Knowledge Society) Workshop on Game Theory and Multiagent Systems, CWI, Amsterdam, June 30, 2009.
- PHAC Workshop (Preference Handling and Aggregation on Combinatorial domains), LIP6, Paris, June 23-24, 2009.

CONTRIBUTED TALKS AT CONFERENCES/WORKSHOPS WITH INVITED PARTICIPATION

- Workshop on Clusters, Games and Axioms, Lorentz Center, Leiden, the Netherlands, June 22-26, 2015.
- Workshop on Strategic Behavior and Phase Transitions in Random and Complex Combinatorial Structures, CRM - Center de Recerca Matemàtica, Barcelona, June 8-12, 2015.
- Dagstuhl seminar on "Interface of Computation, Game Theory, and Economics", Dagstuhl, Germany, April 14-19, 2013.
- Summer school on Algorithmic Game Theory, Samos, Greece, July 14-21, 2012.
- Dagstuhl seminar on "Computation and Incentives in Social Choice", Dagstuhl, Germany, March 4-9, 2012.
- GREAT Workshop (Greece Economic and Algorithmic Theory Week), Paros, Greece, July 24-29, 2011.
- Workshop on "Advances in Algorithmic Game Theory", Amsterdam, the Netherlands, September 2-3, 2010.
- Dagstuhl seminar on "Computational Foundations of Social Choice", Dagstuhl, Germany, March 7-12, 2010.
- Dagstuhl seminar on "Fair Division", Dagstuhl, Germany, June 24-29, 2007.
- INFORMS 2005 Annual Meeting, Session: Auctions, San Francisco, November 13-16, 2005.

TALKS IN DEPARTMENTS/SEMINARS/WORKSHOPS AND OTHER EVENTS

- University of Liverpool, Department of Computer Science, departmental seminar, May 2015.
- University of Austin, Texas, Department of Electrical and Computer Engineering, Austin, Texas, USA, January 2015.
- University of Patras, Department of Computer and Electrical Engineering, Patras, Greece, October 2014.
- Technicolor Research Bay Area, Los Altos, California, USA, July 2014.
- Stanford University, Department of Computer Science, theory seminar, Palo Alto, California, USA, May 2014.
- University of California - Berkeley, Department of Electrical Engineering and Computer Science, Econ-CS seminar, Berkeley, California, USA, May 2014.
- University of Sydney, School of Information Technologies, Australia, March 2014.
- Singapore University of Technology and Design (SUTD), Singapore, February 2014.
- Nanyang Technological University (NTU), Singapore, April 2013.
- CWI, Center for Math and Computer Science, Amsterdam, the Netherlands, February 2012.
- Luiss University, Department of Economics, Rome, Italy, September 2011.
- Università di Roma La Sapienza, Dipartimento di Ingegneria Informatica, Rome, Italy, September 2011.
- Université Paris-Dauphine, LAMSADE, Paris, France, February 2011.

- London School of Economics, Department of Management, Math. Programming seminar, London, UK, October 2010.
- COMSOC, 3rd International Workshop on Computational Social Choice, Dusseldorf, Germany, September 2010.
- Athens Colloquium on Algorithms and Complexity, Athens, Greece, 2006 - 2010 (annually every August).
- SING6: 6th Spain-Italy-Netherlands Meeting on Game Theory, Palermo, Italy, July 2010.
- Max Planck Institut für Informatik, Saarbrücken, Germany, March 2010.
- Aachen University, Aachen, Germany, June 2009.
- SED (Society for Economic Design) Conference on Economic Design, University of Maastricht, Maastricht, the Netherlands, June 2009.
- University of Amsterdam, Institute of Language, Logic and Computation (ILLC), Amsterdam, the Netherlands, April 2009.
- SING4: 4th Spain-Italy-Netherlands Meeting on Game Theory, Wrocław, Poland, June 2008.
- Università d'Annunzio, Pescara, Italy, April 2008.
- University of Aarhus, Department of Computer Science, Aarhus, Denmark, February 2008.
- University of Maastricht, Department of Quantitative Economics, Maastricht, the Netherlands, October 2007.
- University of Southampton, Department of Electronics and Computer Science, Seminar of the IAM group (Intelligence, Agents and Multimedia), Southampton, UK, September 2007.
- Università d'Annunzio, Pescara, Italy, June 2007.
- Stanford University, Department of Computer Science, Palo Alto, California, USA, May 2007.
- Tilburg University, Department of Econometrics and Operations Research, Game Theory Seminar, Tilburg, the Netherlands, May 2007.
- University of Toronto, Department of Economics, Toronto, ON, Canada, November 2006.
- DIAMANT/Spinoza Intercity Seminar on Algebra and Symmetries in Combinatorics and Optimization, Amsterdam, the Netherlands, June 2006.
- University of Waterloo, Department of Combinatorics and Optimization, Tutte Seminar, Waterloo, ON, Canada, March 2006.
- University of Athens, Department of Computer Science, Theory Seminar, Athens, Greece, February 2006.
- University of Crete, Department of Mathematics, Discrete Math Seminar, Iraklio, Greece, February 2006.
- National Technical University of Athens, Theory seminar, Athens, Greece, February 2006.
- CWI, Center for Math and Computer Science, Amsterdam, the Netherlands, February 2006.
- University of Amsterdam, Institute of Language, Logic and Computation (ILLC), February 2006.
- National University of Singapore, Department of Computer Science, Singapore, December 2005.
- McMaster University, Department of Computing and Software, Hamilton, ON, Canada, October 2005.
- Yahoo Research Labs, Pasadena, California, USA, April 2005.
- University of Waterloo, Department of Combinatorics and Optimization, Algorithms and Complexity Seminar, Waterloo, ON, Canada, March 2005.
- University of Toronto, Department of Computer Science, theory seminar, Toronto, ON, March 2005.

SUPERVISION OF STUDENTS AND POSTDOCS

- Svetlana Obraztsova, Postdoctoral researcher, December 2012 - November 2014.
- Orestis Telelis, Postdoctoral researcher, March 2012 - September 2014.
- Ioannis Giotis, Postdoctoral researcher, November 2012 - present.
- Georgios Mpirmpas, PhD candidate, March 2013 - present.
- Georgios Amanatidis, PhD candidate, June 2014 - present.
- Supervised M.Sc. students: Vasileios Rigas (2013-2014), Christos Alatzidis (2011-2012), Penny Samartzis (2011-2012), Angelos Asimakopoulos (2010-2011), Christina Aretha (2010-2011), Maria Sotiri (Fall 2010), Ioanna Anastasopoulou (2009-2010).

- Supervised B.Sc. students: Eleni Evangelatou (2014-2015), Lora Mavrouli (2014), George Theofilis (2013-2014), Michael Despotopoulos (2012-2013), Vasileios Tzoumas (2011-2012), Christos-Alexandros Psomas (2010-2011), Lefteris Mpetsos (2011), Alexandra Papoutsaki (2010-2011), Yanos Sorokos (2010).

PUBLICATIONS

Citation indices

- Citations: \approx 1700 (according to Google scholar, March 10, 2014)
- h-index: 19
- i10-index: 31

Papers under review or in preparation

1. K. R. Apt, E. Markakis, S. Simon. Paradoxes in Social Networks with Multiple Products. Under review, 2015.
2. G. Birmpas, C. Courcoubetis, I. Giotis, E. Markakis. Cost-sharing Models in Participatory Sensing. In preparation, 2015.
3. G. Kouroupas, E. Markakis, C. H. Papadimitriou, V. Rigas, M. Sideri. The Web Graph as an Equilibrium. In preparation, 2015.

Refereed Conference Publications

1. G. Amanatidis, E. Markakis, A. Nikzad, A. Saberi. Approximation Algorithms for Computing Maximin Share Allocations. In *Proceedings of the 42nd International Colloquium on Automata, Languages, and Programming (ICALP 2015)*, to appear, 2015.
2. G. Amanatidis, N. Barrot, J. Lang, E. Markakis, B. Ries. Multiple Referenda and Multiwinner Elections Using Hamming Distances: Complexity and Manipulability. In *Proceedings of the 14th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2015)*, pp. 715-723, 2015.
3. S. Obraztsova, E. Markakis, M. Polukarov, Z. Rabinovich, N. R. Jennings. On the Convergence of Iterative Voting: How Restrictive should Restricted Dynamics be? In *Proceedings of the 29th AAAI Conference on Artificial Intelligence (AAAI 2015)*, pp. 993-999, 2015.
4. Z. Rabinovich, S. Obraztsova, O. Lev, E. Markakis, J. Rosenschein. Analysis of Equilibria in Iterative Voting Schemes. *Proceedings of the 29th AAAI Conference on Artificial Intelligence (AAAI 2015)*, pp. 1007-1013, 2015.
5. D. Fotakis, T. Lykouris, E. Markakis, S. Obraztsova. Influence Maximization in Switching-Selection Threshold Models. *Proceedings of the 7th International Symposium on Algorithmic Game Theory (SAGT 2014)*, Lecture Notes in Computer Science 8768, pp. 122-133, 2014.
6. E. Markakis, O. Telelis. Item Bidding for Combinatorial Public Projects. *Proceedings of the 28th AAAI Conference on Artificial Intelligence (AAAI 2014)*, pp. 749-755, 2014.
7. J. Diaz, I. Giotis, L. Kirousis, E. Markakis, M. J. Serna. On Second Price Auctions with Budget Constraints. *11th Latin American Theoretical Informatics Symposium (LATIN 2014)*.
8. B. de Keijzer, E. Markakis, G. Schaefer, O. Telelis. Inefficiency of Standard Multi-unit Auctions. *Proceedings of the 21st European Symposium on Algorithms (ESA 2013)*, ARCoSS Lecture Notes in Computer Science 8125, pp. 385-396, 2013.

9. S. Obraztsova, E. Markakis, D. R. M. Thompson. Plurality Voting with Truth-biased Agents. *6th Symposium on Algorithmic Game Theory (SAGT 2013)*, Lecture Notes in Computer Science 8146, pp. 26-37, 2013.
10. V. Tzoumas, C. Amanatidis, E. Markakis. A Game-theoretic Analysis of a Competitive Diffusion Process over Social Networks. *8th Workshop on Internet and Network Economics (WINE 2012)*, pp. 1-14, 2012.
11. E. Markakis, O. Telelis. Uniform Price Auctions: Equilibria and Efficiency. *5th Symposium on Algorithmic Game Theory (SAGT 2012)*, pp. 227-238, 2012.
12. Y. Zick, E. Markakis, E. Elkind, Stability Via Convexity and LP Duality in OCF Games, AAI, pp. 1506-1512, 2012.
13. G. Chalkiadakis, E. Markakis, N. R. Jennings. Coalitional Stability in Structured Environments. *International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2012)*, pp. 779-786, 2012.
14. E. Bampis, D. Letsios, G. Lucarelli, E. Markakis, I. Milis. On Multiprocessor Temperature-Aware Scheduling Problems. *Joint International Conference on Frontiers in Algorithmics and Algorithmic Aspects in Information and Management (FAW-AAIM 2012)*, pp. 149-160, 2012.
15. E. Markakis, C.A. Psomas. On Worst-Case Allocations in the Presence of Indivisible Goods. *7th Workshop on Internet and Network Economics (WINE 2011)*, pp. 278-289, 2011.
16. K. R. Apt, E. Markakis. Diffusion in Social Networks with Competing Products. *Symposium on Algorithmic Game Theory (SAGT 2011)* pp. 212-223, 2011.
17. N. Immorlica, E. Markakis, G. Piliouras. Coalition Formation and Price of Anarchy in Cournot Oligopolies, *6th Workshop on Internet and Network Economics (WINE 2010)*, pp. 270-281, 2010.
18. E. Markakis, O. Telelis. Discrete Strategies in Keyword Auctions and their Inefficiency for Locally Aware Bidders, *Workshop on Internet and Network Economics (WINE 2010)*, pp. 523-530, 2010.
19. I. Caragiannis, D. Kalaitzis, E. Markakis. Approximation Algorithms and Mechanism Design for Minimax Approval Voting, AAI, pp. 737-742, 2010.
20. R. Gomes, N. Immorlica, E. Markakis. Externalities in Keyword Auctions: an Empirical and Theoretical Assessment, *Workshop on Internet and Network Economics (WINE 2009)*, pp. 172-183, 2009.
21. K. R. Apt, E. Markakis. Sequential Bidding in the Bailey-Cavallo Mechanism, *Workshop on Internet and Network Economics (WINE 2009)*, pp. 483-490, 2009.
22. S. Koenig, X. Zheng, C. Tovey, R. Borie, P. Kilby, E. Markakis, P. Kescinocak. Agent Coordination with Regret Clearing. AAI, pp. 101-107, 2008.
23. K. R. Apt, V. Conitzer, M. Guo, E. Markakis. Welfare Undominated Groves Mechanisms. *Workshop on Internet and Network Economics (WINE 2008)*, pp. 426-437, 2008.
24. G. Chalkiadakis, E. Elkind, E. Markakis, N. Jennings. Overlapping Coalition Formation. *4th Workshop on Internet and Network Economics (WINE 2008)*, pp. 307-321, 2008.
25. Y. Bachrach, E. Markakis, A. D. Procaccia, J. S. Rosenschein and A. Saberi. Approximating Power Indices. *International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, pp. 943-950 2008.
26. H. Bosse, J. Byrka, E. Markakis. New Algorithms for Approximate Nash Equilibria in Bimatrix Games, *3rd Workshop on Internet and Network Economics (WINE 2007)*, Lecture Notes in Computer Science 4858, pp. 17-29, 2007.
27. H. Hatami, A. Magen, E. Markakis. Integrality gaps of semidefinite programs for Vertex Cover and relations to ℓ_1 embeddability of Negative Type metrics, APPROX 2007, pp. 164-179, 2007.
28. G. Chalkiadakis, E. Markakis and C. Boutilier. Coalition Formation Under Uncertainty: Bargaining Equilibria and the Bayesian Core Stability Concept, *Proc. of 6th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2007)*, pp. 64-71, 2007.

29. R. Legrand, E. Markakis, A. Mehta. Approval Voting: Approximation Algorithms and Heuristics for the Minimax Solution, *Proc. of 6th International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2007)*, short paper, pp. 198-200, 2007, preliminary version presented in *the 1st International Workshop on Computational Social Choice (COMSOC)*, 2006.
30. S. Khot, R. Lipton, E. Markakis, A. Mehta. Inapproximability Results for Combinatorial Auctions with Submodular Utility Functions, *1st Workshop on Internet and Network Economics (WINE 2005)*, Lecture Notes in Computer Science 3828, pp. 92-101, 2005.
31. M. Lagoudakis, E. Markakis, D. Kempe, P. Keskinocak, S. Koenig, C. Tovey, A. Kleywegt, A. Meyerson, S. Jain. Auction-based Multi-robot Routing, *Robotics: Science and Systems*, pp. 343-350, 2005, also appeared as nectar paper in *AAAI 2006*.
32. R. Lipton, E. Markakis, A. Mehta, N. Vishnoi. On the Fourier Spectrum of Symmetric Boolean Functions with Applications to Learning Symmetric Juntas, *IEEE Conference on Computational Complexity (CCC 2005)*, pp. 112-119, 2005.
33. R. Lipton, E. Markakis, E. Mossel, and A. Saberi, On Approximately Fair Allocations of Indivisible Goods, *5th ACM Conference on Electronic Commerce (EC 2004)*, pp. 125-131, 2004.
34. R. Lipton, E. Markakis. Nash Equilibria via Polynomial Equations, *6th Latin American Theoretical Informatics (LATIN 2004)*, Lecture Notes in Computer Science 2976, pp. 413-422, 2004.
35. E. Markakis, A. Saberi. On the Core of the Multicommodity Flow Game, *4th ACM Conference on Electronic Commerce (EC 2003)*, pp. 93-97, 2003. Recipient of the best student paper award. Invited for publication in special issue of *Decision Support Systems*.
36. R. Lipton, E. Markakis, A. Mehta. Playing Large Games using Simple Strategies, *4th ACM Conference on Electronic Commerce (EC 2003)*, pp. 36-41, 2003.
37. M. Mahdian, E. Markakis, A. Saberi, V. V. Vazirani. A Greedy Facility Location Algorithm Analyzed using Dual Fitting, *APPROX 2001*, pp. 127-137, 2001.

Journal Publications

1. E. Markakis, O. Telelis. Uniform Price Auctions: Equilibria and Efficiency. To appear in *Theory of Computing Systems (TOCS)*, 2015.
2. Y. Zick, E. Markakis, E. Elkind. Arbitration and Stability in Cooperative Games with Overlapping Coalitions. *Journal of Artificial Intelligence Research (JAIR)*, 50, pp. 847-884, 2014.
3. K. R. Apt, E. Markakis. Social Networks with Competing Products. *Fundamenta Informaticae*, 129(3), pp. 225-250, 2014.
4. E. Bampis, D. Letsios, G. Lucarelli, E. Markakis, I. Milis. On Multiprocessor Temperature-Aware Scheduling Problems, accepted in *Journal of Scheduling*, 16(5), pp. 529-538, 2013.
5. M. Guo, E. Markakis, K. R. Apt, V. Conitzer. Undominated Groves Mechanisms, *Journal of Artificial Intelligence Research (JAIR)*, 46, pp. 129-163, 2013.
6. G. Chalkiadakis, E. Elkind, E. Markakis, M. Polukarov, N. Jennings. Cooperative Games with Overlapping Coalitions, *Journal of Artificial Intelligence Research (JAIR)*, 39, pp. 179-216, 2010.
7. H. Bosse, J. Byrka, E. Markakis. New Algorithms for Approximate Nash Equilibria in Bimatrix Games, *Theoretical Computer Science*, 411(1), pp. 164-173, 2010.
8. Y. Bachrach, E. Markakis, A. D. Procaccia, E. Resnick, J. S. Rosenschein and A. Saberi. Approximating Power Indices, *Journal of Autonomous Agents and Multiagent Systems*, 20(2), pp. 105-122, 2010.
9. G. Chalkiadakis, E. Elkind, E. Markakis, M. Polukarov, N. Jennings. Stability of Overlapping Coalitions, *SIGecom Exchanges* 8(1), 2009.

10. M. Kolountzakis, R. Lipton, E. Markakis, A. Mehta, N. Vishnoi. On the Fourier Spectrum of Symmetric Boolean Functions, *Combinatorica*, 29(3), pp. 363-387, 2009.
11. H. Hatami, A. Magen, E. Markakis. Integrality gaps of semidefinite programs for Vertex Cover and relations to l_1 embeddability of Negative Type metrics, *SIAM Journal on Discrete Mathematics*, 23(1), pp. 178-194, 2008.
12. S. Khot, R. Lipton, E. Markakis, A. Mehta. Inapproximability Results for Combinatorial Auctions with Submodular Utility Functions, *Algorithmica*, 52(1), pp. 3-18, 2008.
13. E. Markakis, A. Saberi. On the Core of the Multicommodity Flow Game, *Decision Support Systems*, 39(1), pp. 3-10, March 2005.
14. K. Jain, M. Mahdian, E. Markakis, A. Saberi, V. V. Vazirani. Greedy Facility Location Algorithms Analyzed using Dual Fitting with Factor-Revealing LP, *Journal of the ACM*, 50 (6), pp. 795-824, November 2003.

Book chapters/Surveys

P. Maille, E. Markakis, M. Naldi, G. D. Stamoulis, B. Tuffin. Sponsored Search Auctions: An Overview of Research with Emphasis on Game Theoretic Aspects. *Journal of Electronic Commerce Research (ECR)*, 12(3), pp. 265-300, 2012.

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