

David Sarne

Curriculum Vitae

Computer Science Department
Bar-Ilan University
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- Research Interests** Artificial intelligence; value of information; information brokers in multiagent systems, economic search; game theory; mechanism design; human-computer interaction; electronic commerce; auctions and exchanges; Ad hoc networks;
- Education**
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| Ph.D., Computer Science (<i>Highest distinction</i>),
Bar-Ilan University. Advisor: Professor Sarit Kraus. | 2006 |
| M.Sc., Information Systems (<i>Summa cum laude</i>),
<i>masters thesis grade: 100, overall average: 98</i>
Tel-Aviv University. Advisors: Professor Abraham
Grosfeld-Nir and Professor Israel Spiegler. | 2001 |
| B.Sc., Industrial Engineering (<i>Cum laude</i>),
Tel-Aviv University | 1994 |
- Positions**
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| Associate Professor, Computer Science department
Bar-Ilan University | 2013-now |
| Senior Lecturer, Computer Science department,
Bar-Ilan University | 2007-2013 |
| Post Doc Fellow, School of Engineering and Applied
Sciences, Harvard University.
Supervisor: Professor Barbara Grosz | 2005-2007 |
- Teaching Experience**
- Lecturer: Intelligent Interfaces, Operating Systems, Decision making in Dynamic Environments, Introduction to Search Theory, Autonomous Agents in eCommerce, Mechanism Design, Game Theory
- Teaching assistant in courses: Introduction to Communication Networks, Operational Research, Linear Models, Production Planning and Management, Software Structure.
- Industry Experience**
- | | |
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| Radcom LTD. – Product Manager –
Responsible for the development, marketing and implementation of a distributed platform for Voice Quality Management in VoIP and hybrid networks | 2001-2003 |
| Aspear – Product Manager and System analyst –
Responsible for the trading arena and autonomous agents components in the main B2B platform | 2000-2001 |
| IDF – Planning Directorate – Project Manager
Responsible for the development of TPS and ES modules for the | 1997-2000 |

integrated management of the human resource and means of the IDF

IDF – Head of the general steering committee 1999
for computerizing the IDF professional specifications into intranet environments

IDF – Planning Directorate – Section Head 1995-1997
Responsible for the evaluation of major technological systems and projects that requires the approval of the General Staff

IDF – Planning Directorate - professional officer 1994-1995

Army Current reserve rank: *major* (Army Intelligence)

Service Chair of BISFAI'11 and BISFAI'15, Co-Chair of AMEC'09, MIMS'09, Fifth Americas School on Agents and Multiagent Systems (2006)

Associate Editor in Annals of Mathematics and Artificial Intelligence (2015 and on).

PC Member – AAMAS06, AAMAS07, AAMAS08, AMMA09, AGS09, IJCAI09, PRIMA09, AAAI08, EUMAS09, AGS10, RREM11, AGS11, AMEC11, AAMAS13, AGS12, AGS13, CAVE13, IJCAI13, AMEC13, AAMAS14, AAAI14, AMEC14, AMEC15, CAVE15, EC16, MATES16, AMEC16, AMEC17, MATES17, IJCAI17

SPC – AAMAS15, AAAI15 (Integrated Systems Track), IJCAI15, AAAI16, ECAI16, AAMAS17

Reviewing: AI Communications, JAAMAS, TOIT, NSF, DSS, ISF, BSF

Mentoring: AAAI 2013 Doctoral Consortium

Students Current:

Shani Alkobi (PhD) – Information Providers and Value of Information in multi-agent systems

Priel Levi (PhD) – Intelligent advice provisioning for collaborative settings

Nadav Lisovtsev (Masters) – Building Trust in Iterative Advising

Guy Cohen (Masters) – Timing Rating Requests

Michal Habani (Masters) – Minimizing number of interactions with information brokers

Michael Lipushkin – Multi-prize contest design

Alumni

Dr. Simon Shamoun (PostDoc) – Route acquisition in dynamic ad-hoc networks (2013)

Eran Shaham (PhD, co-advisor: Boaz Ben Moshe) – Mining Co-

clustering of Lagged Data (2014)

Igor Rochlin (PhD) – Information sharing in multi-agent cooperation with self-interested agents (2015)

Avshalom Elmalech (PhD) - Overcoming people's irrationality using agents (2016)

Chen Hajaj (PhD, co-advisor: Avinatan Hassidim) - Intelligent mechanisms and modern markets platforms (2016)

Itai Nahum (Masters) – The “snow plough” problem (2010)

Uri Goren (Masters) – Repeated Pandora’s problem with memory (2011)

Shai Shlomain (Masters, co-advisor: Sarit Kraus) - FAR- a new Fusion Along Routing method (2011)

Avshalom Elmalech (Masters) - Restructuring decisions to improve agent search (2011)

Gal Miller (Masters) – Combined ERS and BERS route discovery (2013)

Shani Alkobi (Masters, co-advisor: Esther David) – On the choice of obtaining and disclosing the common value in auctions (2013)

Israel Sofer (Masters, co-advisor: Avinatan Hassidim) - Negotiation in exploration-based environment (2013)

Nadav Sofi (Masters) - Effective deadlock resolution with self-interested partially-rational agents (2013)

Shahar Kosti (Masters, co-advisor: Gal Kaminka) - Intelligent user interface for multi-robot search (2013)

Lea Peretz (Masters) - Advanced service schemes for a self-Interested information platform (2014)

Moshe Mash (Masters) - Joint search with self-interested agents and the failure of cooperation enhancers (2014)

Priel Levi (PhD) – Intelligent advice provisioning for collaborative settings (2015)

Luba Golosman (Masters) – Efficiency and fairness in multi-agent cooperation (2016)

Honors and Awards

Best Student Paper Award – AAMAS 2014

Bar-Ilan's “Best Lecturer” prize for excellence in teaching.

Postdoctoral Fellowship (School of Engineering and Applied Sciences, Harvard University)

President’s Postdoctoral Fellowship (Bar-Ilan University)

The Knesset (Israel's Parliament) certificate of appreciation for

excellent students

Rector's prize for excellence in studies (Bar-Ilan University)

Wolf Foundation award

Dean's award for excellence in studies (Tel-Aviv University)

Blieman system award (Tel-Aviv University)

Award of distinction, Planning Directorate, IDF

**Research
Grants**

2015-2018 - Information Brokers in Multi-Agent Systems

and Mechanism Design (with Pingzhong Tang), ISF-NSFC, NIS 1,000,000

2013-2016 – Joint Exploration of Self-Interested Agents (with Y. Aumann), ISF, NIS 960,000

2009-2012 – Equilibria in Shopping-Agent Mediated Marketplaces (with S. Das), BSF, \$104,000

2009-2011 –Partnering Mechanisms in Costly MAS Environments (with Y. Aumann), ISF, NIS 610,000

2009-2011 – Energy efficient routing in sensor networks, Pearls of Wisdom (with S. Kraus), NIS 300,000

2008-2013 - Intelligent Routing in Dynamic Fast-Paced Networks (with S. Kraus), MAGNET: RESCUE, NIS 1,500,000

2008-2009 - Dynamic distributed tuning in 4G networks using cooperative negotiations (with S. Kraus), MAGNET: REMON, NIS 204,000

Patent

David Sarne, Chen Hajaj and Noam Hazon: Selective options disclosure method for affecting a user's decision-making, (provisional)

Gal Kaminka, David Sarne, Shahar Kosti, Location-Based Image Retrieval (provisional, PCT application has been filed)

Books

1. E. David, E. Gerding, D. Sarne, and O. Shehory, editors, Agent-Mediated Electronic Commerce: Designing Trading Strategies and Mechanisms for Electronic Markets, Springer-Verlag, LNBIP 59, 2010.

Journal Papers

1. David Sarne, Sarit Kraus, Managing Parallel Inquiries in Agents' Two-Sided Search. *Artificial Intelligence*, 172:541–569, 2008
2. Efrat Manisterski, David Sarne, Sarit Kraus, Cooperative Search with Concurrent Interactions. *Journal of Artificial Intelligence Research* 32:1-36, 2008
3. Abraham Grosfeld-Nir, David Sarne, Israel Spiegler, Modeling the Search for the Least Costly Opportunity. *European Journal of Operational Research*, 197:667–674, 2009
4. David Sarne, Efrat Manisterski, Sarit Kraus: Multi-goal economic search using dynamic search structures. *Autonomous Agents and Multi-Agent Systems* 21(2): 204-236, 2010
5. Eran Shaham, David Sarne, Boaz Ben-Moshe. "Sleeved Co-clustering of Lagged Data". *Knowledge and Information Systems*, 31(2): 251-279, 2012
6. Tal Avinadav, David Sarne, Sequencing counts: A combined approach for sequencing and selecting costly unreliable off-line inspections. *Computers & Operations Research* 39(11): 2488-2499, 2012
7. Michal Chalamish, David Sarne and Raz Lin. The Effectiveness of Peer-Designed Agents in Agent-Based Simulations. *Multiagent and Grid Systems* 8(4): 349-372, 2012
8. Michal Chalamish, David Sarne and Raz Lin. Enhancing Parking Simulations using Peer Designed Agents. *IEEE Transactions on Intelligent Transportation Systems*, 14(1):492-498, 2013
9. David Sarne, Barbara Grosz. Determining the Value of Information for Collaborative Multi-Agent Planning. *Autonomous Agents and Multi-Agent Systems* 26(3): 456-496, 2013
10. David Sarne. Competitive Shopbots-Mediated Markets. *ACM Transactions on Economics and Computation* 1(3): 17, 2013
11. Noam Hazon, Yonatan Aumann, Sarit Kraus and David Sarne. Physical Search Problems with Probabilistic Knowledge. *Artificial Intelligence*, 196:26-52, 2013
12. Simon Shamoun and David Sarne, Increasing Threshold Search for Best-Valued Agents, *Artificial Intelligence*, 199-200: 1-21 (2013)

13. Igor Rochlin, David Sarne and Gil Zussman, Sequential Multi-Agent Exploration for a Common Goal, *Web Intelligence and Agent Systems* 11(3):221–244 (2013)
14. Avshalom Elmalech and David Sarne, Evaluating the Applicability of Peer-Designed Agents for Mechanism Evaluation, *Web Intelligence and Agent Systems* 12(2):171-191 (2014)
15. Meenal Chhabra, Sanmay Das and David Sarne: Expert-Mediated Sequential Search, *European Journal of Operational Research*. 234(3): 861-873 (2014)
16. Igor Rochlin and David Sarne. Utilizing Costly Coordination in Multi-Agent Joint Exploration. *Multiagent and Grid Systems* 10(1): 23-49 (2014)
17. David Sarne, Shani Alkobi and Esther David, On the Choice of Obtaining and Disclosing the Common Value in Auctions. *Artificial Intelligence* 215:24–54, 2014
18. Igor Rochlin, David Sarne and Moshe Mash, Joint Search with Self-Interested Agents and the Failure of Cooperation Enhancers. *Artificial Intelligence*, 214:45–65, 2014
19. Nadav Sofy and David Sarne, Effective Deadlock Resolution with Self-Interested Partially-Rational Agents. *Annals of Mathematics and Artificial Intelligence*, 72(3-4): 225-266, 2014
20. David Sarne and Yonatan Aumann, Exploration Costs as a Means for Improving Performance in Multiagent Systems. *Annals of Mathematics and Artificial Intelligence*, 72(3-4): 297-329, 2014
21. Yinon Nachum, David Sarne, Sanmay Das and Onn Shehory, Two-Sided Search with Experts. *Autonomous Agents and Multi-Agent Systems* 29(3): 364-401, 2015
22. Avshalom Elmalech, David Sarne and Barbara Grosz, Problem Restructuring for Better Decision Making. *Autonomous Agents and Multi-Agent Systems*, 29(1): 1-39, 2015
23. Eran Shaham, David Sarne, Boaz Ben Moshe, Co-clustering of Fuzzy Lagged Data. *Knowledge and Information Systems*, 44(1): 217-252 (2015)
24. Igor Rochlin and David Sarne, Constraining Information Sharing to Improve Cooperative Information Gathering. *Journal of Artificial Intelligence Research*, 54:437-469, 2015
25. Chen Hajaj, Noam Hazon and David Sarne, Improving Comparison Shopping Agent's Competence through Selective Price Disclosure. *Electronic Commerce Research and Applications*, 14(6):563-581, 2015
26. Avshalom Elmalech, David Sarne and Noa Agmon, Agent Development as a Strategy Shaper. *Autonomous Agents and Multi-Agent Systems*, 30(3): 506-525 (2016)
27. Israel Sofer, David Sarne and Avinatan Hassidim, Negotiation in Exploration-based Environment. *Autonomous Agents and Multi-Agent Systems*, 30(4): 724-764 (2016)

28. Igor Rochlin, Yonatan Aumann, David Sarne and Luba Golosman, Efficiency and Fairness in Team Search with Self-Interested Agents. *Autonomous Agents and Multi-Agent Systems*, 30(3): 526-552 (2016)
29. Chen Hajaj, Noam Hazon and David Sarne, Enhancing Comparison Shopping Agents through Ordering and Gradual Information Disclosure. *Autonomous Agents and Multi-Agent Systems* (forthcoming)
30. Chen Hajaj and David Sarne, Selective Opportunity Disclosure at the Service of Strategic Information Platforms. *Autonomous Agents and Multi-Agent Systems* (forthcoming)
31. Amos Azaria, David Sarne and Yonatan Aumann, Distributed Matching with Mixed Maximum-Minimum Utilities, to appear in *Transactions on Economics and Computation* (forthcoming)

Papers in Refereed Conferences

1. Shani Alkoby and David Sarne, The Benefit in Free Information Disclosure When Selling Information to People, In proceedings of AAI-17 (forthcoming)
2. Shani Alkoby, David Sarne and Igal Milchtaich, Strategic Signaling and Free Information Disclosure in Auctions, In proceedings of AAI-17 (forthcoming)
3. Igor Rochlin, David Sarne, Ben Grynhaus and Maytal Bremer, Nurturing Group-Beneficial Information-Gathering Behaviors Through Above-Threshold Criteria Setting, In proceedings of AAI-17 (forthcoming)
4. Avshalom Elmalech, David Sarne, Esther David and Chen Hajaj, Extending Workers' Attention Span Through Dummy Sub-Goals, In proceedings of HCOMP 2016, pp. 42-51 (**best paper finalist**)
5. Priel Levi and David Sarne, Intelligent Advice Provisioning for Repeated Interaction, In Proceedings of AAMAS-16, pp. 842-849
6. Simon Shamoun, Reuven Cohen, David Sarne, Gal Miller, Combined TTL-based search algorithm. In proceedings of Med-Hoc-Net 2015: pp. 1-8
7. Shani Alkobi, David Sarne and Sanmay Das, Strategic Free Information Disclosure for Search-Based Information Platforms, In Proceedings of AAMAS-15, pp. 635-643
8. Chen Hajaj, John P. Dickerson, Avinatan Hassidim, Tuomas Sandholm, and David Sarne, Strategy-Proof and Efficient Kidney Exchange Using a Credit Mechanism, in Proceedings of AAI 2015, pp. 921-928
9. Avshalom Elmalech, David Sarne, Avi Rosenfeld and Eden Shalom Erez, When Suboptimal Rules, in Proceedings of AAI 2014, pp. 1313-1319
10. Shani Alkobi, David Sarne and Esther David, Manipulating Information Provider's Access to Information in Auctions, in Proceedings of TAAI 2014, pp. 14-25
11. Avshalom Elmalech, David Sarne and Noa Agmon, Can Agent Development Affect Developer's Strategy?, in Proceedings of AAI 2014, pp. 923-929

12. Chen Hajaj, Noam Hazon and David Sarne, Ordering Effects and Belief Adjustment in the Use of Comparison Shopping Agents. in Proceedings of AAAI 2014, pp. 930-936
13. Chen Hajaj and David Sarne, Strategic Information Platforms - Selective Disclosure and the Price of "Free", in Proceedings of ACM EC'14 pp. 839-856
14. Shahar Kosti, Gal Kaminka, and David Sarne. A Novel User-Guided Interface for Robot Search, to appear in International Conference on Intelligent Robots and Systems (IROS) 2014
15. Eran Shaham, David Sarne, Boaz Ben Moshe, Efficient Error Setting for Subspace Miners, in Proceedings of the International Conference on Machine Learning (MLDM) 2014 pp. 1-15
16. Igor Rochlin and David Sarne, Constraining Information Sharing to Improve Cooperative Information Gathering, in Proceedings of AAMAS 2014, pp. 237-244 (**best student paper award**)
17. Meenal Chhabra, Sanmay Das and David Sarne, Competitive Information Provision in Sequential Search Markets, in Proceedings of AAMAS 2014, pp. 565-572
18. Igor Rochlin, Yonatan Aumann, David Sarne and Luba Golosman, Efficiency and Fairness in Team Search with Self-Interested Agents, in Proceedings of AAMAS 2014, pp. 365-372
19. Moshe Mash, Raz Lin and David Sarne, Peer-Design Agents for Reliably Evaluating Distribution of Outcomes in Environments Involving People, in Proceedings of AAMAS 2014, pp. 949-956
20. Simon Shamoun and David Sarne, Two-Sided Expanding Ring Search, in COMSNETS 2014 pp. 1-8
21. Simon Shamoun, David Sarne and Steven Goldfeder, Elastic Ring Search for Ad Hoc Networks, In proceedings of MobiQuitous 2013: 564-575
22. Igor Rochlin and David Sarne, Information Sharing Under Costly Communication in Joint Exploration, in Proceedings of AAAI 2013, pp. 847-853
23. Chen Hajaj, Noam Hazon, David Sarne and Avshalom Elmalech, Search More, Disclose Less, in Proceedings of AAAI 2013, pp. 401-408.
24. Avshalom Elmalech and David Sarne, Evaluating the Applicability of Peer-Designed Agents in Mechanisms Evaluation, in Proceedings of IAT-2012, pp. 374-381
25. Igor Rochlin, David Sarne, Moshe Laifenfeld, Coordinated Exploration with a Shared Goal in Costly Environments. Proceedings of ECAI 2012, pp. 690-695
26. Shani Alkoby, Esther David, and David Sarne, On the Choice of Obtaining and Disclosing the Common Value in Auctions, in Proceedings of IAT-2012, pp. 111-118
27. Moshe Mash, Igor Rochlin, and David Sarne, Join Me with the Weakest Partner, Please, in Proceedings of IAT-2012, pp. 17-24

28. Yinon Nahum, David Sarne, Sanmay Das and Onn Shehory, Two-Sided Search With Experts, ACM Conference on Electronic Commerce 2012, pp. 754-771
29. Israel Sofer, David Sarne and Avinatan Hassidim, "Negotiation in Exploration-based Environment", in Proceedings of AAI 2012, pp.1450-1456
30. Igor Rochlin, David Sarne and Gil Zussman, "Sequential Multilateral Search for a Common Goal", In proceedings of IAT'11, pp. 349-356.
31. Meenal Chhabra, Sanmay Das and David Sarne: Expert-Mediated Search, in Proceedings of AAMAS 2011, pp. 415-422
32. David Sarne, Avshalom Elmalech, Barbara J. Grosz and Moti Geva: Less Is More: Restructuring Decisions to Improve Agent Search, in Proceedings of AAMAS 2011, pp. 431-438
33. Eran Shaham, David Sarne, and Boaz Ben-Moshe, Co-clustering of Lagged Data, in Proceedings of ICDM 2010, pp. 451-460
34. David Sarne, Simon Shamoun, Eli Rata, "Increasing Threshold Search for Best-Valued Agents", in Proceedings of AAI 2010, pp.848-853
35. David Sarne, "Competitive Comparison-Shopping Mediated Markets". In proceedings of IAT'09, pp. 387-394, 2009
36. David Sarne, Barbara Grosz, Peter Owotoki. "Effective Information Value Calculation for Interruption Management in Multi-Agent Scheduling", in Proceedings of ICAPS 2008, pp. 313-321.
37. Michal Chalamish, David Sarne, Sarit Kraus. Programming Agents as a Means of Capturing Self-Strategy. In Proceedings of the Seventh International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS-2008), pp. 1161-1168
38. Yonatan Aumann, Noam Hazon, Sarit Kraus and David Sarne. Physical Search Problems Applying Economic Search Models. In Proceedings of AAI 2008, pp. 9-16.
39. David Sarne, Barbara Grosz: Sharing Experiences to Learn User Characteristics in Dynamic Environments with Sparse Data. AAMAS 2007 pp. 202-209
40. David Sarne, Sarit Kraus, Takayuki Ito: Scaling-Up Shopbots - a Dynamic Allocation-Based Approach. AAMAS 2007 pp. 338-345
41. David Sarne, Teijo Arponen: Sequential Decision Making in Parallel Two-Sided Economic Search. AAMAS 2007 pp. 438-445
42. David Sarne, Barbara Grosz: Estimating Information Value in Collaborative Multi-Agent Planning Systems. AAMAS 2007 pp. 227-234
43. Efrat Manisterski, David Sarne, Sarit Kraus: Enhancing MAS Cooperative Search through Coalition Partitioning. IJCAI 2007, pp. 1415-1421
44. Raz Lin, Daphna Dor-Shifer, Saar Rosenberg, Sarit Kraus and David Sarne: Towards the Fourth Generation of Cellular Networks: Improving Performance Using Distributed Negotiation. MSWiM 2006, pp. 347-356.

45. Efrat Manisterski, David Sarne, Sarit Kraus: Integrating parallel interactions into cooperative search. AAMAS 2006, pp. 257-264.
46. Raz Lin, Daphna Dor-Shifer, Sarit Kraus, David Sarne: Local Negotiation in Cellular Networks: From Theory to Practice. IAAI 2006
47. David Sarne and Sarit Kraus: Cooperative Exploration in the Electronic Marketplace. AAAI-05, pp. 158-163
48. David Sarne and Sarit Kraus: Solving the Auction-Based Task Allocation Problem in an Open Environment. AAAI-05, pp. 164-169
49. David Sarne and Sarit Kraus: Time-Variant Distributed Agent Matching Applications. In Proceedings of AAMAS-04, pp. 168-175, 2004

Chapters in Refereed Books

1. David Sarne, Yonatan Aumann: "Search Costs as a Means for Improving Market Performance", in Agent-Mediated Electronic Commerce. Designing Trading Strategies and Mechanisms for Electronic Markets, Lecture Notes in Business Information Processing Volume 118, 2012, pp 76-91.
2. Esther David, David Sarne: "The Choice of Eliminating the Uncertainty Cloud, in Auctions", in Agent-Mediated Electronic Commerce. Designing Trading Strategies and Mechanisms for Electronic Markets. Lecture Notes in Business Information Processing Volume 59, 2010, pp 15-28.
3. Philip Hendrix, David Sarne: The Effect of Mediated Partnerships in Two-Sided Search. In Cooperative Information Agents XI, Lecture Notes in Computer Science Volume 4676, 2007, pp 224-240.
4. David Sarne, Meirav Hadad, Sarit Kraus: Auction Equilibrium Strategies for Task Allocation, in Uncertain Environments. Cooperative Information Agents VIII, Lecture Notes in Computer Science Volume 3191, 2004, pp 271-285. **(best paper finalist)**
5. David Sarne and Sarit Kraus: Agents Strategies for the Dual Parallel Search in Partnership Formation Applications. In Agent-Mediated Electronic Commerce VI. Theories for and Engineering of Distributed Mechanisms and Systems, Lecture Notes in Computer Science Volume 3435, 2005, pp 158-172.
6. David Sarne, Sarit Kraus: Agent's Multiple Inquiries for Enhancing the Partnership Formation Process. In Cooperative Information Agents VIII, Lecture Notes in Computer Science Volume 3191, 2004, pp 286-302. **(best paper finalist)**
7. David Sarne, Sarit Kraus: The Search for Coalition Formation in Costly Environments. In Cooperative Information Agents VII, Lecture Notes in Computer Science Volume 2782, 2003, pp 117-136 **(best paper finalist)**

Other (Conference Short Papers, Workshop and Position Papers)

1. Shahar Kostin, Gal Kaminka and David Sarne, An Effective User-Guided Interface For Robot Search, to appear in AAMAS 2014 (short paper).

2. Avshalom Elmalech, David Sarne and Noa Agmon, Peer Designed Agents: Just reflect or also affect?, to appear in AAMAS 2014 (short paper).
3. Chen Hajaj, David Sarne and Lea Perets, Advanced Service Schemes for a Self-Interested Information Platform, to appear in AAMAS 2014 (short paper).
4. Shahar Kosti, David Sarne, and Gal A. Kaminka. An Effective Collaborative Interface for Multi-Robot Search. In *IsraHCI 2013: The First Israeli Human-Computer Interaction Research Conference*, 2013.
5. Amos Azaria, Ariella Richardson, Avshalom Elmalech, Avi Rosenfeld, Sarit Kraus and David Sarne. On Automated Agents Rationality. Second International Workshop on Human-Agent Interaction Design and Models (HAIDM), 2013
6. Yinon Nahum, David Sarne, Onn Shehory, Sanmay Das: Do experts help in two-sided search? AAMAS 2012: 1291-1292
7. Shahar Kosti, David Sarne, and Gal A. Kaminka. Intelligent User Interface for Multi-Robot Search. In *HRI 2012 Workshop on Human-Agent-Robot-Teamwork (HART 2012)*, 2012.
8. Nadav Sofy, David Sarne: On the failure of game theoretic approach for distributed deadlock resolution. AAMAS 2012: 1445-1446
9. Amos Azaria, David Sarne, Yonatan Aumann: Distributed Matching with Mixed Maximum-Minimum Utilities. IAT 2012: 134-139
10. Ece Kamar, Barbara Grosz, David Sarne: Modeling User Perception of Interaction Opportunities in Collaborative Human-Computer Settings, AAI 2007, pp. 1872-1873
11. Michal Chalamish, David Sarne, Sarit Kraus: Mass Programmed Agents for Simulating Human Strategies in Large Scale Systems. AAMAS 2007 pp. 909-911
12. David Sarne and Barbara Grosz: Timing Interruptions for Better Human-Computer Coordinated Planning , 2006 AAI Spring Symposium on Distributed Plan and Schedule Management, pp. 161-162
13. David Sarne and Sarit Kraus: Buyer's Coalition for Optimal Search. *AAMAS-05*, pp. 1225-1226
14. David Sarne, Meirav Hadad, Sarit Kraus: Equilibrium Strategies for Task Allocation in Dynamic Multi-Agent Systems. In *Proceedings of ECAI-04*, pp. 1083-1084, 2004