

Curriculum Vitae

Noa Agmon

Department of Computer Science
Bar Ilan University
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POSITIONS

Full Professor, 2024-present Department of Computer Science, Bar Ilan University, Israel.

Associate Professor, 2018-2024 Department of Computer Science, Bar Ilan University, Israel.

Senior Lecturer (a.k.a Assistant Professor), 2012-2018 Department of Computer Science, Bar Ilan University, Israel.

Postdoctoral Fellow, 2010-2012 Department of Computer Science, The University of Texas at Austin, USA. Hosted by Prof. Peter Stone.

Postdoctoral Fellow, 2009-2010 Department of Computer Science and Applied Mathematics, The Weizmann Institute of Science, Rehovot, Israel. Hosted by Prof. David Peleg.

FIELDS OF INTEREST

My research is focused on various aspects of robotic mission planning, swarm robotics, and multi-robot systems, including multi-robot patrolling, robot navigation and multi-agent planning in adversarial environments. In addition, I am interested in more theoretical concepts of multiagent systems, for example ad-hoc teamwork.

EDUCATION

Ph.D. (Oct. 2004 - June 2009) Bar Ilan University, Israel

Graduated *with highest distinction* from the Department of Computer Science

Research area: Artificial Intelligence and Robotics

Topic: Multi-Robot Patrolling and Other Multi-Robot Cooperative Tasks: An Algorithmic Approach

Advisors: Prof. Sarit Kraus and Prof. Gal A Kaminka

M.Sc. (Oct. 2000 - Oct. 2003) The Weizmann Institute of Science, Rehovot, Israel

Graduated from the Department of Computer Science and Applied Mathematics

Research area: Distributed algorithms

Thesis: Gathering Autonomous Mobile Robots with Faults.

Advisor: Prof. David Peleg.

B.Sc. (Oct. 1997- July 2000) Bar Ilan University, Israel

Graduated *cum laude* from the Department of Computer Science.

HONORS AND AWARDS

IROS 2015 Finalist of Robocup Best Paper Award for the paper *Path Planning for Optimizing Survivability of Multi-Robot Formation in Adversarial Environments* by Yaniv Shapira and Noa Agmon.

Best robotic video prize at the IJCAI 2015 video competition for *Intelligent Agent Supporting Human-Multi-Robot Team Collaboration* video by Ariel Rosenfeld, Oleg Maksimov, Noa Agmon and Sarit Kraus

First place, 1st Israeli UAV Competition (Pearls of Wisdom), 2014

Dan David Prize Scholarship for Young Researchers, 2010

Runner up, 2009 IFAAMAS Victor Lesser Distinguished Dissertation Award

PhD with highest distinction, 2009

Bar-Ilan University Presidents scholarship for excellent Ph.D student, 2004-2008

BSc cum laude, 2000

GRANTS

PI, MAFAT, Search, Monitoring, and Retrieval by a Heterogeneous Swarm of Robots. 2024-2025

PI, ISF, Multi-Robot Dynamic Swarm Disablement (Individual Research Grants Program) 2022-2026

PI, MAFAT, Multi-Robot Locust Swarm Containment, 2019-2021

PI, ISF, Robotic Swarm Consensus in Adversarial Settings (as part of ISF center “Swarm Smarts: Decision Making in Biological and Synthetic Swarms”), 2018-2022

PI, MAFAT, Optimizing drone usage for persistent task performance under energy constraints, 2018

PI, MAFAT, Randomized patrolling in adversarial, heterogeneous environments, 2018

PI, ISF, Multi-Robot Formation in Adversarial Environments (Individual Research Grants Program) 2015-2019 (discontinued in 2018, due to a new ISF grant)

PI, ISF, New-Faculty Equipment Grant Program, 2015.

Co-PI, Human controlled multi-robot multi-mission teams, 2015-2017.

Co-PI, Meimad, Efficient management of a flock of robots in warehouses, 2014-2015

PI, Boeing Research and Development collaboration, 2014

Co-PI, MAFAT, ROBIL: (cont.) A robotics consortium 2013-2016

Co-PI, MAFAT/DARPA, ROBIL: Israel’s entry to the DARPA Robotics Challenge, 2012

Co-PI, MAGNETON (Israel Ministry of Trade), Multi-Robot Frequency-Based Patrolling with Events, 2010-2011

STUDENTS

Ph.D Roi Yehoshua (2018, with Gal Kaminka), Mor Sinay (2020, with Sarit Kraus), Yaniv Oshrat (2022), Saar Cohen (current)

M.Sc Efrat Sless (2015, with Sarit Kraus), Ilan Lupu (2015, with Gal Kaminka), Yaniv Shapira(2016), Inbal Wiesel (2017, with Gal Kaminka and Ido Bachelet), Ofri Keidar (2017), Noga Talmor (2017), Sapir Avrahami (2019), Nofar Menashe (2021), Yuval Maymon (2021), Lior Moshe (2021), Saar Cohen (2021), Eyal Zehavi (2022), Assaf Marsha (2022), Ori Fogler (2022), Alon Shats (2023), Gilad Fine (2023), Yair Korngut (2023), Ido Aizenman (2024), Haim Nafcha (current), Ran Binyamini (current), Lior Strichash (current), Yair Hadas (current), Michal Lazar (current), Daniel Tikotzky (current), Yuval Dahari (current, with David Sarne), Itay Shedlezki (current), Eliyahu Hourai (current).

PUBLICATIONS

Journals

Arseni Pertzovskiy, Roie Zivan, and Noa Agmon. Collision Avoiding Max-Sum for Mobile Sensor Teams. *Journal of Artificial Intelligence Research (JAIR)* 79:1281-1311, 2024.

Michael Amir, Noa Agmon, and Alfred M. Bruckstein. A Locust-Inspired Model of Collective Marching on Rings. *Entropy*, 24(7): 918, 2022.

Saar Cohen and Noa Agmon. Recent Advances in Formations of Multiple Robots. *Current Robotics Reports*, 2:159–175, 2021.

Daniel Knebel, Ciona Sha-ked, Noa Agmon, Gil Ariel, and Amir Ayali. Collective Motion as a Distinct Behavioral State of the Individual. *iScience*, 24(4):102299, 2021.

Efrat Sless-Lin, Noa Agmon and Sarit Kraus. Multi-Robot Adversarial Patrolling: Handling Sequential Attacks. *under revision for the Artificial Intelligence Journal (AIJ)*, (AIJ), 274: 1-25, 2019.

Ofri Keidar and Noa Agmon. Safe Navigation in Adversarial Environments. *Annals of Math and Artificial Intelligence journal (AMAI)*, 83(2):121-164, 2018.

Maria Gini, Noa Agmon, Fausto Giunchiglia, Sven Koenig, and Kevin Leyton-Brown. Artificial Intelligence in 2027. *AI Matters*, 4(1):10-20, 2018.

Roi Yehoshua and Noa Agmon. Capturing an Area-Covering Robot. *Autonomous Agents and Multiagent Systems (JAAMAS)*, 2018.

Ariel Rosenfeld, Noa Agmon, Oleg Maximov, and Sarit Kraus. Intelligent Agent Supporting Human-Multi-Robot Team Collaboration. *Artificial Intelligence Journal (AIJ)*, 2017.

Gal A. Kaminka, Hali Spokoini-Stern, Yaniv Amir, Noa Agmon and Ido Bachelet. Molecular robots obeying Asimov's three laws of robotics. *Artificial Life Journal*, 2017.

Roi Yehoshua, Noa Agmon and Gal A. Kaminka. Robotic Adversarial Coverage in Known Environments. *International Journal of Robotic Research (IJRR)*, 2016

Avshalom Elmalech, David Sarne and Noa Agmon. Agent Development as a Strategy Shaper. *Journal of Autonomous Agents and Multi-Agent Systems (JAAMAS)*, 2015.

Peter Stone, Gal A. Kaminka, Sarit Kraus, Jeffrey S. Rosenschein and Noa Agmon. Teaching and Leading an Ad Hoc Teammate: Collaboration without Pre-Coordination. *Artificial Intelligence Journal (AIJ)* 203:35–65, 2013.

Noa Agmon, Gal A Kaminka and Sarit Kraus. Multi-Robot Adversarial Patrolling: Facing a Full-Knowledge Opponent. *Journal of Artificial Intelligence Research (JAIR)*, 42:887–916, 2011.

Asaf Shiloni, Noa Agmon and Gal A Kaminka. Of Robot Ants and Elephants: A Robotic Model Comparison. *Theoretical Computer Science*, 412(41):5771–5788, 2011.

Noa Agmon, Gal A Kaminka, Sarit Kraus and Meytal Traub. Task reallocation in multi-robot formation. *Journal of Physical Agents (JOPHA)*, 4(2):1–10, 2010.

Yehuda Elmaliah, Noa Agmon and Gal A. Kaminka. Multi-robot area patrol under frequency constraints. *Annals of Math and Artificial Intelligence journal (AMAI)*, 57(3-4):293-320, 2009.

Noa Agmon, Noam Hazon and Gal A Kaminka. The giving tree: Constructing trees for efficient offline and online multi-robot coverage. *Special issue of the Annals of Math and Artificial Intelligence journal (AMAI) on Multi-Robot Coverage, Search, and Exploration*, 52(2-4):143–168, 2009.

Noa Agmon and David Peleg. Fault-tolerant gathering algorithms for autonomous mobile robots. *SIAM Journal on Computing (SICOMP)*, 36(1):56–82, 2006.

Highly Refereed Conferences

Saar Cohen and Noa Agmon. Online Learning of Coalition Structures by Selfish Agents. In *AAAI'25: Proceedings of the 39th Annual AAAI Conference on Artificial Intelligence*, 2025.

Saar Cohen and Noa Agmon. Online Friends Partitioning under Uncertainty. In *ECAI'24: Proceedings of the European Conference on Artificial Intelligence*, 2024.

Lior Strichash and Noa Agmon. Robust Distributed Robotic Matching. In *DARS'24: Proceedings of the 17th International Symposium on Distributed Autonomous Robotic Systems*, 2024.

Saar Cohen and Noa Agmon. Online Learning of Partitions in Additively Separable Hedonic Games. In *IJCAI '24: Proceedings of the international Joint Conference on Artificial Intelligence*, 2024.

Saar Cohen and Noa Agmon. Near-Optimal Online Resource Allocation in the Random-Order Model (Extended Abstract). In *AAMAS '24: Proceedings of the 23rd International Conference on Autonomous Agents and Multiagent Systems*, 2024.

Yair Korngut and Noa Agmon. Multi-Robot Heterogeneous Adversarial Coverage. In *MRS '23: Proceedings of the IEEE International Symposium on Multi-Robot and Multi-Agent Systems*, 2023.

Alon Shats, Michael Amir, and Noa Agmon. Competitive Ant Coverage: The Value of Pursuit. In *IROS '23: Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems*, 2023.

Saar Cohen and Noa Agmon. Online Coalitional Skill Formation. In *AAMAS '23: Proceedings of the 22nd International Conference on Autonomous Agents and Multiagent Systems*, 2023.

Gilad Fine, Dor Atzmon, and Noa Agmon. Anonymous Multi-Agent Path Finding with Individual Deadlines. In *AAMAS '23: Proceedings of the 22nd International Conference on Autonomous Agents and Multiagent Systems*, 2023.

Arseni Pertzovskiy, Roie Zivan, and Noa Agmon. CAMS: Collision Avoiding Max-Sum for Mobile Sensor Teams. In *AAMAS '23: Proceedings of the 22nd International Conference on Autonomous Agents and Multiagent Systems*, 2023.

Saar Cohen and Noa Agmon. Complexity of Probabilistic Inference in Random Dichotomous Hedonic Games. In *AAAI'23: Proceedings of the 37th Conference on Artificial Intelligence*, 2023.

Ori Fogler and Noa Agmon. Multi-Robot Dynamic Swarm Disablement. In *IROS '22: Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems*, 2022.

Saar Cohen and Noa Agmon. Optimizing Multi-Agent Coordination via Hierarchical Graph Probabilistic Recursive Reasoning. In *AAMAS'22: Proceedings of the 21st International Conference on Autonomous Agents and Multiagent Systems*, 2022.

Eyal Zehavi and Noa Agmon. Hybrid Path Planning for UAV Traffic Management. In *IROS '21: Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems*, 2021.

Saar Cohen and Noa Agmon. Convexified Graph Neural Networks for Distributed Control in Robotic Swarms. In *IJCAI '21: Proceedings of the international Joint Conference on Artificial Intelligence*, 2021.

Michael Amir, Noa Agmon and Alfred M. Bruckstein. A Discrete Model of Collective Marching on Rings. In *DARS/SWARM '21: Proceedings of the 15th International Symposium on Distributed Autonomous Robotic Systems*, 2021.

Nofar Menashe and Noa Agmon. Leading a Swarm with Signals. In *DARS/SWARM '21: Proceedings of the 15th International Symposium on Distributed Autonomous Robotic Systems*, 2021.

Saar Cohen and Noa Agmon. On The (Im)possibility of Leading a Swarm to a Desired Consensus in Static and Dynamic Settings. In *DARS/SWARM '21: Proceedings of the 4th International Symposium on Swarm Behavior and Bio-Inspired Robotics*, 2021.

Saar Cohen and Noa Agmon. Spatial Consensus-Prevention in Robotic Swarms. In *AAMAS'21: Proceedings of the 20th International Conference on Autonomous Agents and Multiagent Systems*,

2021.

Moshe Samson and Noa Agmon. Competitive Coverage: (Full) Information as a Game Changer. In *IROS'20: Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems*, 2020.

Yuval Maymon and Noa Agmon. Multi-Robot Containment and Disablement. In *IROS'20: Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems*, 2020.

Mor Sinay, Elad Sarafian, Yoran Louzoun, Noa Agmon and Sarit Kraus. Explicit Gradient Learning for Black-Box Optimization. In *ICML'20: Proceedings of the International Conference on Machine Learning*, 2020.

Erez Hartuv, Noa Agmon and Sarit Kraus. Spare Drone Optimization for Persistent Task Performance with Multiple Homes. In *ICUAS'20: Proceedings of the International Conference on Unmanned Aircraft Systems*, 2020.

Yaniv Oshrat, Noa Agmon and Sarit Kraus. Non-Uniform Policies for Multi-Robot Asymmetric Perimeter Patrol in Adversarial Domains. In *AAMAS'20: Proceedings of the 19th International Conference on Autonomous Agents and Multiagent Systems*, 2020.

Yaniv Oshrat, Noa Agmon, and Sarit Kraus. Adversarial Fence Patrolling: Non-Uniform Policies for Asymmetric Environments. In *AAAI'20: Proceedings of the 34th Conference on Artificial Intelligence*, 2020.

Sapir Avrahami and Noa Agmon. The Robotic Swarm Contamination Problem. In *MRS '19: Proceedings of the IEEE International Symposium on Multi-Robot and Multi-Agent Systems*, 2019.

Natalie Fridman, Doron Amir, Yinon Douchan, and Noa Agmon. Satellite Detection of Moving Vessels in Marine Environments. In *IAAI'19: Proceedings of the Thirty-First Annual Conference on Innovative Applications of Artificial Intelligence*, 2019.

Dany Rovinsky and Noa Agmon. Uncertain Local Leader Selection In Distributed Formations. In *IROS'18: Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems*, 2018.

Mor Sinay, Noa Agmon, Oleg Maksimov, Guy Levy, Moshe Bitan, and Sarit Kraus. UAV/UGV Search and Capture of Goal-oriented Uncertain Targets. In *IROS'18: Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems*, 2018.

Erez Har Tuv, Noa Agmon, and Sarit Kraus. Scheduling Spare Drones for Persistent Task Performance With Energy Constraints. In *AAMAS '18: Proceedings of the 17th International Conference on Autonomous Agents and Multiagent Systems*, 2018.

Gal Kaminka, Mor Vered and Noa Agmon. Plan Recognition in Continuous Domains. In *AAAI'18: Proceedings of the 32nd Conference on Artificial Intelligence*, 2018.

Noa Agmon. Robotic Strategic Behavior in Adversarial Environments (Early Career Spotlight).

In *IJCAI'17: Proceedings of the 26th International Joint Conference on Artificial Intelligence*, 2017.

Mor Sinay, Noa Agmon, Oleg Maksimov, Sarit Kraus, and David Peleg. Maintaining Communication in Multi-Robot Tree Coverage. In *IJCAI'17: Proceedings of the 26th International Joint Conference on Artificial Intelligence*, 2017.

Noga Talmor and Noa Agmon. On the Power and Limitations of Deception in Multi-Robot Adversarial Patrolling. In *IJCAI'17: Proceedings of the 26th International Joint Conference on Artificial Intelligence*, 2017.

Gal A. Kaminka, Ilan Lupu and Noa Agmon. Optimal Construction of Control Graphs in Multi-Robot Systems. In *DARS'16: Proceedings of the 13th International Symposium on Distributed Autonomous Robotic Systems*, 2016.

Roi Yehoshua and Noa Agmon. Multi-Robot Adversarial Coverage. In *ECAI'16: Proceedings of the European Conference on Artificial Intelligence*, 2016.

Inbal Wiesel, Gal A. Kaminka, Noa Agmon, Ido Bachelet and Guy Hachmon. Rule-Based Programming of Molecular Robot Swarms for Biomedical Applications. In *IJCAI'16: Proceedings of the 25th International Joint Conference on Artificial Intelligence*, 2016.

Thanh H. Nguyen, Francesco M.D. Fave, Debarun Kar, Aravind S. Lakshminarayanan, Amulya Yadav, Milind Tambe, Noa Agmon, Andrew J. Plumptre, Margaret Driciru, Fred Wanyama, and Aggrey Rwetsiba. Making the most of Our Regrets: Regret-based Solutions to Handle Payoff Uncertainty and Elicitation in Green Security Games. In *GameSec'15: Proceedings of the 6th Conference on Decision and Game Theory for Security*, 2015.

Yaniv Shapira and Noa Agmon. Path Planning for Optimizing Survivability of Multi-Robot Formation in Adversarial Environments. In *IROS'15: Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems*, 2015.

Finalist of IROS 2015 Robocup Best Paper Award

Roi Yehoshua and Noa Agmon. Online Robotic Adversarial Coverage. In *IROS'15: Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems*, 2015.

Ariel Rosenfeld, Noa Agmon , Oleg Maksimov, Amos Azaria and Sarit Kraus. Intelligent Agent Supporting Human-Multi-Robot Team Collaboration. In *IJCAI'15: Proceedings of the International Joint Conference on Artificial Intelligence*, 2015.

Roi Yehoshua and Noa Agmon. Adversarial Modeling in the Robotic Coverage Problem. In *AA-MAS '15: Proceedings of the 14th International Conference on Autonomous Agents and Multiagent Systems*, 2015.

Roi Yehoshua, Noa Agmon and Gal A Kaminka. Frontier-Based RTDP: A New Approach to Solving the Robotic Adversarial Coverage Problem. In *AAMAS '15: Proceedings of the 14th International Conference on Autonomous Agents and Multiagent Systems*, 2015.

Roi Yehoshua , Noa Agmon and Gal A Kaminka. Safest Path Adversarial Coverage. In *IROS '14:*

Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems, 2014.

Samuel Barrett, Noa Agmon, Noam Hazon, Sarit Kraus, and Peter Stone. Communicating with Unknown Teammates. In *ECAI '14: Proceedings of the 21st European Conference on Artificial Intelligence*, 2014.

Avshalom Elmalech, David Sarne, and Noa Agmon. Can Agent Development Affect Developer's Strategy? In *AAAI '14: Proceedings of the 28th Conference on Artificial Intelligence*, 2014.

Noa Agmon, Samuel Barrett, and Peter Stone. Modeling Uncertainty in Leading Ad Hoc Teams. In *AAMAS '14: Proceedings of the 13th International Conference on Autonomous Agents and Multiagent Systems*, 2014.

Efrat Sless, Noa Agmon, and Sarit Kraus. Multi-Robot Adversarial Patrolling: Facing Coordinated Attacks. In *AAMAS '14: Proceedings of the 13th International Conference on Autonomous Agents and Multiagent Systems*, 2014.

Roi Yehoshua , Noa Agmon and Gal A Kaminka. Robotic Adversarial Coverage : Introduction and Preliminary Results. In *IROS '13: Proceedings of IEEE/RSJ International Conference on Intelligent Robots and Systems*, 2013.

Katie Genter, Noa Agmon, and Peter Stone. Leading a Flock with Ad Hoc Teamwork. In *AAMAS '13: Proceedings of the 12th International Conference on Autonomous Agents and Multiagent Systems*, 2013.

Noa Agmon, Chien-Liang Fok, Yehuda Emaliah, Peter Stone, Christine Julien, and Sriram Vishwanath. On Coordination in Practical Multi-Robot Patrol. In *ICRA '12: Proceedings of IEEE International Conference on Robotics and Automation*, 2012.

Noa Agmon and Peter Stone. Leading Ad Hoc Agents in Joint Action Settings with Multiple Teammates. In *AAMAS '12: Proceedings of the 11th International Conference on Autonomous Agents and Multiagent Systems*, 2012.

Noa Agmon, Daniel Urieli and Peter Stone. Multiagent Patrol Generalized to Complex Environmental Conditions. In *AAAI '11: Proceedings of the 25th Conference on Artificial Intelligence*, 2011.

Raz Lin, Noa Agmon, Sarit Kraus, Samuel Barrett and Peter Stone. Comparing Agent's Success against People in Security Domains. In *AAAI'11: Proceedings of the 25th Conference on Artificial Intelligence*, 2011.

Meytal Traub, Gal A. Kaminka and Noa Agmon. Who Goes There? Selecting a Robot to Reach a Goal. In *AAMAS '11: Proceedings of the Tenth International Conference on Autonomous Agents and Multiagent Systems*, 2011.

Noa Agmon. On Events in Multi-Robot Patrol in Adversarial Environments. In *AAMAS '10: Proceedings of the Ninth International Conference on Autonomous Agents and Multiagent Systems*, 2010.

Noa Agmon, Sarit Kraus, Gal A. Kaminka and Vladimir Sadov. Adversarial uncertainty in multi-robot patrol. In *IJCAI '09: Proceedings of the Twenty-first International Joint Conference on Artificial Intelligence*, pages 1811–1817, 2009.

Asaf Shiloni, Noa Agmon and Gal A. Kaminka. Of robot ants and elephants. In *AAMAS '09: Proceedings of the Eighth International Conference on Autonomous Agents and Multiagent Systems*, 2009.

Noa Agmon, Vladimir Sadov, Sarit Kraus and Gal A Kaminka. The impact of adversarial knowledge on adversarial planning in perimeter patrol. In *AAMAS '08: Proceedings of the Seventh International Joint Conference on Autonomous Agents and Multi-Agent Systems*, pages 55–62, 2008.

Noa Agmon, Sarit Kraus and Gal A Kaminka. Multi-robot perimeter patrol in adversarial settings. In *ICRA '08: Proceedings of IEEE International Conference on Robotics and Automation*, pages 2339–2345, 2008.

Yehuda Elmaliah, Noa Agmon and Gal A Kaminka. Multi-robot area patrol under frequency constraints. In *ICRA '07: Proceedings of IEEE International Conference on Robotics and Automation*, pages 385–390, 2007.

Noa Agmon, Noam Hazon and Gal A Kaminka. Constructing spanning trees for efficient multi-robot coverage. In *ICRA '06: Proceedings of IEEE International Conference on Robotics and Automation*, pages 3462–3468, 2006.

Noa Agmon, Gal A Kaminka and Sarit Kraus. Team member reallocation via tree pruning. In *AAAI '05: Proceedings of the 20th Conference on Artificial Intelligence*, pages 35–40, 2005.

Noa Agmon and David Peleg. Fault-tolerant gathering algorithms for autonomous mobile robots. In *SODA '04: Proceedings of the 15th Annual ACM-SIAM Symposium on Discrete Algorithms*, pages 1070–1078, 2004.

Book chapters

Noa Agmon, Daniel Urieli and Peter Stone. Ship Patrol: Multiagent Patrol in Complex Environmental Conditions. In *Advanced in Marine Robotics*, 2013.

Katie Genter, Noa Agmon and Peter Stone. Role Mapping in Ad Hoc Teamwork. In *Plan, Activity, and Intent Recognition*, 2013.

Noa Agmon, Gal A. Kaminka and Sarit Kraus. Multi-robot fence patrol in adversarial domains. In *Intelligent Autonomous Systems 10*, pages 193–201. IOS Press, 2008.

SERVICE

Board of Directors

Board of directors of the International Foundation for Autonomous Agents and Multi-agent Systems (IFAAMAS), 2016-2022

Organization

Associate PC Chair IJCAI'23

General Co-Chair AAMAS'23

Program Co-Chair AAMAS'19

Program Co-Chair BISFAI'17

Chair BISFAI'13

Co-Chair ECAI'24 Workshop

Co-Chair AAAI'24 + AAAI'25 Demonstration Track

Co-Chair IJCAI'22 Journal Track

Co-Chair AAMAS'22 Demonstration

Co-Chair DAI'21 Workshop

Co-Chair IJCAI'21 Robot Exhibition

Co-Chair AAMAS'17 Doctoral Consortium

Co-Chair AAMAS'16 Innovative Applications Track

Co-Chair AAMAS'14 Robotics Track

Organizing Committee AAMAS Workshop on Autonomous Robots and Multirobot Systems (ARMS) 2013-2023

Co-chair AAAI'11 Workshop on Applied Adversarial Reasoning and Risk Modeling (AARM), AAMAS Workshop on Autonomous Robots and Multirobot Systems (ARMS) 2014-2022

PC

Area Chair ECAI'24, AAMAS'25, ECAI'25

Senior PC member AAAI'14, IJCAI'11, IJCAI'13, AAMAS'15, IJCAI'16, ECAI'16, IJCAI'17, AAMAS'18, IJCAI'18, AAAI'23

Associate Editor IROS'12, IROS'15, IROS'16, IROS'17, MRS'23

PC Member IJCAI'09, AAMAS (2010, 2011, 2012, 2013), AAAI'12, ACM SAC (2013, 2015-2017), ICAPS 2013, MIPC 2014, MLPC 2015.

Reviewing Activities

Associate Editor IEEE Transactions on Robotics (T-RO) 2017-2021

Editorial Board Member Journal of Artificial Intelligence Research (JAIR) 2016-2019; Journal of Autonomous Agents and Multi-Agent Systems (JAAMAS), Annals of Math and AI (AMAI), 2020-

Journals Annals of Math and AI ; Theoretical CS; IEEE Transactions on Robotics; Artificial Intelligence (AIJ); Journal of Autonomous Agents and Multi-Agent Systems (JAAMAS); Journal of Artificial Intelligence Research (JAIR); Information Processing Letters; IEEE Systems, Man and Cybernetics (SMCA); IEEE Robotics and Automation Letters (RA-L);

Conferences ICRA (2007, 2008, 2009, 2010, 2012), EC'07, IAT'07, LATIN'08, AAAI'08, IROS (2009, 2011, 2014), WG'10, ICALP'12, MRS'17, UAI'12

Other Service Activities

Grant Review Committee Chair ISF CS

Grant Review Committee Member ISF - multiple participations

Grant Evaluator ISF, MOST, Israeli Ministry of Agriculture

CORE Conference Ranking committee member, 2021, 2023

Department Activities

Chair, CS Hiring Committee 2024-present

Chair, CS Graduate Committee 2020-2023

CS Gender Equality Coordinator Steering committee member and academic advisor of the *Woman CS Circle* for undergraduate female students; Organizer of outreach programs for middle school and high school female students.