

Nomination for the IFAAMAS Board: Noa Agmon

Noa Agmon is an Assistant Professor of Computer Science at Bar-Ilan University, Israel. She received her M.Sc. in Computer Science (in distributed algorithms) from the Weizmann Institute, and her Ph.D from Bar-Ilan (with highest distinction) after working with Prof. Sarit Kraus and Prof. Gal Kaminka on AI and robotics. She was a Postdoctoral researcher with Prof. Peter Stone at the University of Texas at Austin between 2010 and 2012.

Noa is best known for her work on theoretical analysis of robotics problems in general, and specifically in the research area of strategic planning for robots in adversarial environments. Her PhD dissertation, titled *“Multi-Robot Patrolling and Other Multi-Robot Cooperative Tasks: An Algorithmic Approach”*, received an honorable mention for the IFAAMAS Victor Lesser Distinguished Dissertation Award in 2009. She continues to publish papers in AAMAS and other AI conferences (IJCAI, AAAI), as well as robotics conferences (IROS, ICRA), exploring in depth different robotic problems involving adversarial presence, based on AI foundations such as game theory and adversarial modeling. In addition to this, Agmon has conducted research on general multiagent systems-related problems, such as ad-hoc teamwork.

Noa has attended AAMAS since 2008 almost consistently, and has served as co-chair of the Robotics Track (AAMAS 2014) and the co-chair of the Innovative Applications track (AAMAS 2016). Otherwise, she has served as a program committee (PC) member of the conference between 2010 and 2013, and a senior PC member in 2015. She has also served as an SPC of AAAI and IJCAI (as well as performing a similar role in IROS, one of the main conferences in robotics).

Since 2014 (and still running in 2016) Noa has co-chaired ARMS (Autonomous Robots and Multi-Robot Systems) workshop at AAMAS, which has become a center of attraction to roboticists in the AAMAS community.

If elected, Agmon’s main goal as a member of IFAAMAS board is twofold: First, to connect the research conducted in the AAMAS community to real applications. Related to that is the second goal: keep robotics research in the AAMAS community. This can be done by arranging robotic-centered events at AAMAS, expanding the robotics track and the ARMS workshop, and reaching out to robotics researchers by publicizing and actively soliciting researches from the robotics field into AAMAS.