

Nomination for the IFAAMAS Board: Roie Zivan

Background: Roie Zivan is an Assistant Professor (Senior Lecturer) at the department of Industrial Engineering and Management at Ben Gurion University of the Negev (BGU). He received his PhD. in Computer Science from BGU, under Amnon Meisels' supervision. He was also a postdoctoral researcher with Katia Sycara at Carnegie Mellon University.

Roie is best known for his work on distributed constraint optimization (DCOP), where he focuses on three long term research goals: 1) Analyzing and designing incomplete distributed algorithms. 2) Applying and adjusting distributed models and algorithms for representing and solving real world multi-agent applications. 3) Extending the DCOP model to include agents' intentions for cooperation and designing algorithms, which exploit these intentions.

Roie has published papers in AAMAS, CP, AAI, IJCAI as well as in JAAMAS, Constraints, JAIR and AI journal. He has won a best paper award in CP 2005.

Service to AAMAS and other AI communities: Roie has been an active member of the AAMAS community, participating in most AAMAS conferences since 2008. He took an active role in the program committee either as an SPC or a PC, in most of them as well.

Roie has organized the Optimization in Multi-Agent Systems (OptMAS) workshops that were all held at AAMAS, from 2014 to 2019. In AAMAS 2018, he was the exhibition chair.

In addition to his involvement with the AAMAS community, Roie is also an active member in the AAI and IJCAI communities, where he serves in their program committee as SPC and PC. He is also on the board of the AI journal.

Issues of Interest: Roie is very passionate about the relation between multi-agent theory, models and algorithms, and realistic applications. Besides the immediate advantages of this relation, i.e., applying methods developed by the community in realistic scenarios and recruiting funds from the industry for multi-agent research, he believes that realistic applications form fascinating research challenges, which the community can address. He sees a great opportunity in the rise of interest in the internet of things (IOT), where multi-agent theory and practical methods can be naturally applied. He is currently a PI in a number of funded projects involving realistic industrial applications, all IOT related.

Therefore, if elected, he will focus on strengthening the relation between the community and companies and organizations, which are interested in advancing IOT related applications.

More information on his website: <http://www.bgu.ac.il/~zivavr/>