AAMAS 2025 Conference Report

Arseniy, PhD Candidate, Ben-Gurion University of the Negev

I am a PhD student in the Department of Industrial Engineering and Management at Ben-Gurion University of the Negev. My research focuses on distributed planning algorithms for groups of robots, including Multi-Agent Pathfinding (MAPF) and Lifelong MAPF systems. I am currently in the final year of my PhD program.

In 2025, I had the opportunity to attend the International AAMAS Conference, where I presented our new paper titled “Enhancing Lifelong Multi-Agent Pathfinding by Using Artificial Potential Fields.” This conference has always been one of the highlights of my academic journey, and this year was no exception.

We had a strong presence at AAMAS, with several students from my field attending. As always, the sense of support and community among us was inspiring.

One of the most exciting aspects of the conference was the diversity of fields and industries represented. Attendees came from areas such as social sciences, space exploration, transportation, theoretical AI, as well as leading organizations like Google DeepMind, IBM, Cisco, and various robotics startups. It was amazing to see how many perspectives converge around multi-agent systems—my core area of research.

It was particularly meaningful to meet researchers whose papers I’ve studied in depth. Many were open to discussion and generously shared insights. I received a lot of interest at my poster session, where I had the chance to explain my approach in detail. These conversations led to valuable feedback and new ideas, some of which I plan to explore in my future work.

After the conference, I feel more confident and motivated than ever to take on new challenges. AAMAS 2025 was a truly formative experience, and I am deeply grateful to everyone who made it possible—especially ISTRC for their generous support.

Thank you once again,
Arseniy