

Emma Bowring is an assistant professor at the University of the Pacific. She earned her PhD from the University of Southern California (USC) in 2007 working with the Teamcore research group. She has been a regular attendee and has published full papers in all but one of the AAMAS conferences since 2004. In 2005 she jointly chaired the AAMAS women's luncheon and panel. She has served as a program committee member several times for both AAMAS and AAI and has reviewed multiple times for JAIR, MAGS, IJCAI and DCR.

Emma's research has been to devise frameworks, algorithms and heuristics for collaboration within a large-scale network of cooperative agents. These networks would be heterogeneous and not all agents would be able to directly interact with each other. Additionally, some agents may be unwilling to share private data with all other agents. Moreover, they may have conflicting local and global objectives. Yet, the agents throughout the network would need to coordinate their activities to accomplish their collective goals.

As a faculty member at a smaller more teaching-focused university she has a passion for spreading the word about agents to undergraduate computer scientists and even non-majors. She has published on innovative approaches to MAS education and advocates introducing agents as a first course in AI rather than reserving it for students who have completed a long chain of pre-requisites. She jointly developed an undergraduate agents curriculum and course reader with her advisor Milind Tambe. The course used both science fiction and chocolate games to help demonstrate concepts and motivate students' interest in the field.

If elected to IFAAMAS, Emma would bring a young researcher's perspective to the board and would champion issues pertaining to outreach in the agents community. She sees outreach as meaning not just the highly successful agents schools, which allow young researchers to familiarize themselves with the field of multiagent systems, but also other measures like developing a repository of material that could be used to help educators spread the excitement of agents as a field distinct from traditional AI to undergraduates. Emma is also interested in promoting the synergistic balance between theoretical and domain-inspired work that makes AAMAS such a lively conference and in connecting with other fields like simulation and robotics that can provide fertile collaboration opportunities with the MAS community.