Nomination for the IFAAMAS Board: Fei Fang

Background: Fei Fang is an Assistant Professor at the Institute for Software Research in the School of Computer Science at Carnegie Mellon University. Before joining CMU, she was a Postdoctoral Fellow at the Center for Research on Computation and Society (CRCS) at Harvard University. She received her Ph.D. from the Department of Computer Science at the University of Southern California in June 2016. Her research lies in the field of artificial intelligence and multi-agent systems, focusing on integrating machine learning with game theory. Her work has been motivated by and applied to security, sustainability, and mobility domains, contributing to the theme of AI for Social Good. Her work has won the Distinguished Paper at the 27th International Joint Conference on Artificial Intelligence and the 23rd European Conference on Artificial Intelligence (IJCAI-ECAI'18), Innovative Application Award at Innovative Applications of Artificial Intelligence (IAAI'16), the Outstanding Paper Award in Computational Sustainability Track at the International Joint Conferences on Artificial Intelligence (IJCAI'15). She was invited to give an IJCAI-19 Early Career Spotlight talk. Her dissertation is selected as the runner-up for IFAAMAS-16 Victor Lesser Distinguished Dissertation Award, and is selected to be the winner of the William F. Ballhaus, Jr. Prize for Excellence in Graduate Engineering Research as well as the Best Dissertation Award in Computer Science at the University of Southern California. Her work has been deployed by the US Coast Guard for protecting the Staten Island Ferry in New York City since April 2013. Her work has led to the deployment of PAWS (Protection Assistant for Wildlife Security) in multiple conservation areas around the world, which provides predictive and prescriptive analysis for anti-poaching effort.

Service to AAMAS and other AI communities: Fei has been an active member of the AAMAS community. She attended multiple AAMAS conferences, including AAMAS 2012, 2013, 2015, 2018, 2019. She served on the AAMAS program committee (PC) in 2017-2019. She also served as a PC member for four workshops at AAMAS in 2014-2016. Besides, she served as a PC member for AAMAS Doctoral Consortium (DC) in 2019 and co-chaired the DC program in 2020. She reviewed manuscripts for JAAMAS in 2016. In addition to his involvement with the AAMAS community, Fei is an active member of other AI communities. To name a few, she is the co-chair of AAAI-2020 Special Track on AI for Social Impact, co-chair of the Producing Good Outcomes track at NeurIPS-2019 Joint Workshop on AI for Social Good, co-chair of the AAAI 2017 Spring Symposium on AI for Social Good, co-organizer of 4th International Conference on Computational Sustainability, and chair of AAAI 2015 Spring Symposium on Applied Computational Game Theory.

Issues of Interest: Fei is passionate about increasing the students' access to AAMAS conferences and the AAMAS community. If elected, she will focus on improving the mentoring efforts of Ph.D. students at AAMAS and increasing the outreach efforts to more junior students (e.g., undergraduate and K-12 students). She is also interested in promoting video streaming and publicizing invited talks at AAMAS conferences. Indeed, some students face various constraints (e.g., visa issues, travel grants) even though they are willing to attend the conference and be a member of the AAMAS community. In other cases, some junior students are not aware of the exciting research in the AAMAS community, although they are interested in AI research in general. She hopes to help these students to gain access and build a broader AAMAS community.

More information on her website: https://feifang.info/