

USC Center for Artificial Intelligence in Society presents...

Dr. Bo An

HogRider: Champion Agent of Microsoft Malmo Collaborative AI Challenge

It has been an open challenge for self-interested agents to make optimal sequential decisions when agents might achieve higher utility via collaboration. The Microsoft Malmo Collaborative AI Challenge (MCAC), which is designed to encourage research relating to various problems in Collaborative AI, takes the form of a Minecraft mini-game where players might work together to win the challenge. Various characteristics, such as complex interactions among agents, uncertainties, sequential decision making and limited learning trials all make it extremely challenging to find effective strategies. This talk presents HogRider - the champion agent of MCAC in 2017 out of 81 teams from 26 countries.

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Powell Hall (PHE) 223



Dr. Bo An is a Nanyang Assistant Professor with the School of Computer Science and Engineering, Nanyang Technological University, Singapore. He received his PhD in Computer Science from the University of Massachusetts, Amherst. His current research interests include artificial intelligence, multiagent systems, game theory, and optimization. Dr. An has published over 70 referred papers at AAMAS, IJCAI, AAI, ICAPS, KDD, JAAMAS, AIJ and ACM/IEEE Transactions.