Fei Fang

Assistant Professor at Carnegie Mellon University

Pittsburgh, PA, US

Fei Fang's research lies in the field of artificial intelligence and multi-agent systems, focusing on computational game theory.

Biography

Fei Fang is an Assistant Professor at the Software and Societal Systems Department 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, advised by Prof. David Parkes and Prof. Barbara Grosz. She received her Ph.D. from the Department of Computer Science at the University of Southern California in June 2016, advised by Prof. Milind Tambe. She received her bachelor degree from the Department of Electronic Engineering, Tsinghua University in July 2011. Her research lies in the field of artificial intelligence and multi-agent systems, focusing on computational game theory with applications to security and sustainability domains. Her dissertation is selected as the runner-up for IFAAMAS-16 Victor Lesser Distinguished Dissertation Award. Her work has won the 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). Her work on ?Protecting Moving Targets with Mobile Resources? has been deployed by the US Coast Guard for protecting the Staten Island Ferry in New York City since April 2013. Her work on designing patrol strategies to combat illegal poaching has lead to the deployment of PAWS application in a conservation area in Southeast Asia for protecting tigers.

Industry Expertise

Research, Education/Learning, Computer Software

Areas of Expertise

Multi-Agent Systems, Optimization, Artificial Intelligence, Game Theory, Computer Science

Education

Tsinghua University
B.Eng. Electronic Engineering

University of Southern California
Ph.D. Computer Science

Accomplishments

Innovative Application Award
Innovative Applications of Artificial Intelligence (IAAI?16)

Outstanding Paper Award in Computational Sustainability Track
International Joint Conferences on Artificial Intelligence (IJCAI?15)