Kai Wang

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Education

Harvard University   2017 - Present
Ph.D. in Computer Science   *Massachusetts, United States*
Advised by Professor Milind Tambe

National Taiwan University   2012 - 2017
B.S. in Electrical Engineering and Mathematics   *Taipei, Taiwan*
Overall GPA: 4.07/4.3 Major GPA: 4.13/4.3(EE) 4.03/4.3(Mathematics)

Conference Publications

- **Kai Wang**, Andrew Perrault, Aditya Mate, and Milind Tambe.
  "Scalable Game-Focused Learning of Adversary Models:Data-to-Decisions in Network Security Games", in *AAMAS 2020*.

- Nitin Kamra, Umang Gupta, **Kai Wang**, Fei Fang, Yan Liu, Milind Tambe.
  "DeepFP for Finding Approximate Nash Equilibrium in Continuous Action Spaces", *GameSec 2019*

- Sarah Cooney, **Kai Wang**, Elizabeth Bondi, Thanh Nguyen, Phebe Vayanos, Hailey Winetrobe, Edward Cranford, Cleotilde Gonzalez, Christian Lebiere, and Milind Tambe.
  "Learning to Signal in the Goldilocks Zone: Improving Adversary Compliance in Security Games", *ECML 2019*.

- Nitin Kamra, Umang Gupta, **Kai Wang**, Fei Fang, Yan Liu, Milind Tambe.
  "Deep Fictitious Play for Games with Continuous Action Spaces", extended abstract in *AAMAS 2019*.

- Sara Marie Mc Carthy, Corine Laan, **Kai Wang**, Phebe Vayanos, Milind Tambe, and Arunesh Sinha.
  "The Price of Usability: Designing Operationalizable Strategies for Security Games", in *IJCAI 2018*.

- **Kai Wang**, Qingyu Guo, Phebe Vayanos, Milind Tambe, and Bo An.
  "Equilibrium Refinement in Security Games with Arbitrary Scheduling Constraints", in *AAMAS 2018*.

- Haifeng Xu, **Kai Wang**, Phebe Vayanos, and Milind Tambe.
  "Strategic Coordination of Human Patrollers and Mobile Sensors with Signaling for Security Games", in *AAAI 2018*.

Workshop Publications

- **Kai Wang**, Bryan Wilder, and Milind Tambe.
  "Adversarial Machine Learning with Double Oracle", *IJCAI 2019 Doctoral Consortium*

- **Kai Wang**, Bryan Wilder, Sze-chuan Suen, Milind Tambe, and Bistra Dilkina.
  "Improving GP-UCB Algorithm by Harnessing Decomposed Feedback", *ECML 2019 SoGood Workshop*

- Sarah Cooney, Wendy Gomez, **Kai Wang**, Jorja Leap, P. Jeffery Brantingham, and Milind Tambe.
  "Mobile Game Theory with Street Gangs", *ECML 2019 SoGood Workshop*

- **Kai Wang**, Hong-Jyun Wang, and Ho-Lin Chen.
  "Routing Games with Priorities", in *AAAC 2016* (Oral Presentation)

Honors

Google Code Jam Round 3   2019
Silver Medals at International Mathematical Olympiad   2010, 2011