AAAI Spring Symposium 2014 on Applied Computational Game Theory

SCHEDULE OUTLINE

Monday, March 24
9:00 am - 10:30 am Morning Session I

9:00 am - 9:05 am: Introduction by the organizers
9:05 am - 9:35 am: Beat the Cheater: Computing Game-Theoretic Strategies for When to Kick a Gambler out of a Casino (Troels Bjerre Sørensen, Melissa Dalis, Dmytro Korzhyk, Joshua Letchford and Vincent Conitzer)
9:35 am - 10:05 am: Security Games in the Field: Deployments on a Transit System (Francesco Delle Fave, Matthew Brown, Chao Zhang, Eric Shieh, Albert Jiang and Milind Tambe)

10:35 am - 11:00 am Coffee Break

11:00 am - 12:30 pm Morning Session II

11:00 am - 12 noon: Invited Talk: Kevin-leyton Brown, “Predicting Human Behavior in Games”
12 noon - 12:30 pm: Minimum Support Size of the Defender’s Strong Stackelberg Equilibrium Strategies in Security Games (Jiarui Gan and Bo An)

12:30 pm - 2:00 pm Lunch

2:00 pm - 3:30 pm Afternoon Session I

2:00 pm - 3 pm: Invited Talk: Noa Agmon, “Adversarial Robotics”
3 pm - 3:30 pm: Building THINC: User Incentivization and Meeting Rescheduling for Energy Savings (Jun-young Kwak, Debarun Kar, William Haskell, Pradeep Varakantham and Milind Tambe)

3:30 pm - 4:00 pm Coffee Break

4:00 pm - 5:30 pm Afternoon Session II

4:00 pm - 5 pm: Invited Talk: Jun Zhuang, “Game Theory and Disaster Management”
5:00 pm - 5:30 pm: Online Planning for Optimal Protector Strategies in Resource Conservation Games (Yundi Qian, William Haskell, Albert Xin Jiang and Milind Tambe)

6:00 pm - 7:00 pm Reception
Tuesday, March 25
9:00 am - 10:30 am Morning Session I

9:00am - 10am: Invited Talk: Tuomas Sandholm, “Game Abstraction”
10:00am - 10:30am: Optimal Deceptive Strategies in Security Games: A Preliminary Study (Yue Yin, Bo An, Yevgeniy Vorobeychik and Jun Zhuang)

10:35 am - 11:00 am    Coffee Break

11:00 am - 12:30 pm    Morning Session II

11:00am - 12noon: Invited Talk: Eugene Vorobeychik
12noon - 12:30pm: Adaptive Resource Allocation for Wildlife Protection against Illegal Poachers (Rong Yang, Benjamin Ford, Milind Tambe and Andrew Lemieux)

12:30 pm - 2:00 pm    Lunch

2:00 pm - 3:30 pm      Afternoon Session I

2pm - 2:30pm: Complexity of Stability-based Solution Concepts in Multi-issue and MC-net Cooperative Games (Yuqian Li and Vincent Conitzer)
2:30pm - 3:00pm: Stop the Compartmentalization: Unified Robust Algorithms for Handling Uncertainties in Security Games (Thanh Nguyen, Albert Xin Jiang and Milind Tambe)
3:00pm - 3:45pm: Invited Talk: Chris Kiekintveld

3:45 pm - 4:00 pm    Coffee Break

4:00 pm - 5:30 pm      Afternoon Session II

4:00pm - 5:00pm: Invited Talk: Sam Barrett
5:00pm - 5:50pm: Panel discussion and thoughts

6:00 pm - 7:00 pm    Plenary Session
Our symposium will be represented by Noa Agmon.

Wednesday, March 26

9:00am – 10:30am: Discussions, thoughts and future directions.
10:30 am - 11:00 am    Coffee Break

Symposium concludes at 12:30 pm on Wednesday, so there will be two morning sessions with a coffee break from 10:30 to 11:00 am.