

Game Theory for Security, Sustainability and Health

AAAI 2012 SPRING SYMPOSIUM TENTATIVE SCHEDULE

Venue: History Corner of the Main Quad (Building 200)

Registration will be held in the foyer of Annenberg Auditorium on the lower level of the Cummings Art Building, which is across Lasuen Mall from the History building.

Monday, March 26, 2012

9:00 – 9:05	Opening
9:05 – 10:05	Invited Speaker: Manuela Veloso
10:05 - 10:30	Adversarial Patrolling Games Yevgeniy Vorobeychik, Bo An, Milind Tambe
10:30 - 11:00	Break
11:00 - 11:25	Enriched Game Theory Models for Compromising Nodes in Network Security Games Miguel Gaspar De Alba, Ricardo Bribiescas, Christopher Kiekintveld
11:25 - 11:50	Strategy Representation Analysis for Patrolling Games Branislav Bosansky, Ondrej Vanek, Michal Pechoucek
11:50 - 12:15	Extending Security Games to Defenders with Constrained Mobility Ondrej Vanek, Michal Jakob, Viliam Lisy, Branislav Bosansky, Michal Pechoucek
12:15 - 2:00	Lunch
2:00 – 3:00	Invited Speaker: Dorit S. Hochbaum
3:00 – 3:25	Patrolling to Maximize Pristine Forest Area Matthew P. Johnson, Fei Fang, Rong Yang, Milind Tambe, and H.J. Albers
3:25 – 4:00	Break
4:00 – 5:00	Mathematics of Crime Invited Speaker: Andrea Bertozzi
5:00 – 5:25	Towards Optimal Patrol Strategies for Fare Inspection in Transit Systems Albert Xin Jiang, Zhengyu Yin, Matthew P. Johnson, Christopher Kiekintveld, Kevin Leyton-Brown, Tuomas Sandholm, Milind Tambe

Tuesday, March 27, 2012

9:00 – 10:00	Invited Speaker: Mathew D. McCubbins
10:00 – 10:25	Beliefs, Actions and Rationalizations: What Comes First and Does it Matter? Mathew Mccubbins, Mark Turner, Nicholas Weller
10:25 - 11:00	Break
11:00 – 12:00	Invited Speaker: Sarit Kraus
12:00 – 12:25	Efficient Approximation for Security Games with Interval Uncertainty Christopher Kiekintveld, Vladik Kreinovich
12:25 - 2:00	Lunch
2:00 – 3:00	Invited Speaker: Alex Rogers
3:00 – 3:25	Adaptive Learning Agents for Sustainable Building Energy Management Sunil Mamidi, Yu-Han Chang, Rajiv Maheswaran
3:25 - 4:00	Break
4:00 – 4:25	A Risk Based Analysis of a Wargame with Automated Players Deborah Duong
4:25 - 5:30	Panel: <i>Fundamental Challenges of Applying Game Theory for Security, Sustainability and Health</i>

Wednesday, March 28, 2012

8:50 – 9:50	Invited Speaker: Guillermo Owen
9:50 – 10:15	Rational Irrationality Dan Ventura
10:15 - 11:40	Incentive Based Cooperation in Multi-Agent Auctions Charles Pippin and Henrik Christensen
10:40 - 11:00	Break

11:00 - 11:25	Security Games with Limited Surveillance: An Initial Report Bo An, David Kempe, Christopher Kiekintveld, Eric Shieh, Satinder Singh, Milind Tambe, Yevgeniy Vorobeychik
11:25 - 11:50	Which Security Games are Hard to Solve? Manish Jain, Kevin Leyton-Brown, Milind Tambe