



Symposium Agenda

Game Theory & Adversarial Reasoning: Potential Law Enforcement Applications

Time	Topic
9:05 – 9:10	Introduction <ul style="list-style-type: none">• Welcome - Victor M. Manjarrez, Jr. - UTEP
9:10 – 9:15	Logistics <ul style="list-style-type: none">• Restrooms, Coffee/Food Policy• TCOLE Certification• Other Certificates• Registration packets• Pre/Post requirements and Symposium Exit Survey
9:15 – 9:25	Pre-symposium requirement
9:25 – 9:30	Introduction of Drs. Kiekintveld, Zhuang, and Sinha
9:30 – 10:25	Section I – Modeling Decisions as Games (Dr. Christopher Kiekintveld) <ul style="list-style-type: none">• Motivating Domains/Applications• Introduction to Game Modeling• Basic Solution Concepts• Attacker/Defender Games• Q & A
10:25 – 10:40	Break
10:40 – 11:45	Section II – Game Theory and Homeland Security (Dr. Jun Zhuang) <ul style="list-style-type: none">• Modeling Secrecy and Deception• Modeling Probable Pathways at Borders• Security Screening Games with Congestion• Model Validation and Verification• Q & A
11:45 – 1:00	Lunch

Please See Reverse

This endeavor is funded by the DHS Science and Technology Directorate, Office of University Programs, under the Center for Borders, Trade and Immigration Research

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1:00 – 1:50	Section III – Applications of Security Games (Dr. Arunesh Sinha) <ul style="list-style-type: none">• Crime Prediction and Patrol Optimization• Threat Screening Games• Audit Games• Q & A
1:50 – 2:00	Break
2:00 – 2:50	Section IV – Towards Richer Game Models <ul style="list-style-type: none">• The Scalability Challenge• Robustness to Uncertainty• Learning in Security Games• Evidence and Evaluation• Q & A
2:50 – 3:00	Post-symposium requirement & Exit Survey



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