

SUNDAY/

MONDAY/

7:30 - 8:30: Breakfast

8:30-9: David Wolpert
"Workshop Introduction"

9-10: Dirk Helbing
"Self-Organization and Self-Optimization in Social and Traffic Systems"

10-10:30: Coffee break

10:30-11:30: Ozan Candogan (with Asu Ozdaglar, Ishai Menache, and Pablo Parrilo)
"Flow Representations of Games: Near Potential Games and Dynamics"

11:30 - 1: Lunch

1-2: Naftali Tishby (with Jonathan Rubin and Ohad Shamir)
"Robust optimal control by trading future information and value"

2-3: Kalmanaje Krishnakumar
"Decentralized control with human and (intelligent) artificial pilots - Benefits and Potential Pitfalls"

3-3:30: Coffee break

3:30-4:30: Joel Watson
TBA

4:30-5:30: Joe Halpern
"Distributed computing meets game theory: Fault tolerance and implementation with cheap talk"

7-9: Dinner at Los Mayas restaurant.

TUESDAY/

7:30 - 8:30: Breakfast

8:30-9:30: Jessica Flack
"Inductive game theory and collective conflict dynamics"

9:30-10: Coffee break

10-11: Simon DeDeo
"Boltzmann Solution Concepts, epsilon Logic, and the Emergence of Timescales in an Animal Society"

11-12: Peyton Young (with Bary S. R. Pradelski)
"Efficiency and Equilibrium in Trial and Error Learning"

12 - 1:30: Lunch

1:30-2:30: Brian Rogers
"Emergence of Cooperation in Anonymous Social Networks through Social Capital"

2:30-3:30: David Wolpert (with James Bono)
"Solution Concepts that are Distributions over profiles"

rather than Sets of profiles"

3:30-4: Coffee break

4-5: Kevin Leyton-Brown
"Scaling Up Game Theory: Representation and Reasoning
with Action Graph Games"

5-6: Haimonti Dutta
"Modeling Load-Shifts and Failures in Feeder
Networks: Progress and Challenges"

WEDNESDAY/

7:30 - 8:30: Breakfast

8:30 - 9:30: Michael Chertkov
"Smart Grid project at LANL and related challenges in
learning and games"

9:30-10: Coffee break

10-11: Ritchie Lee (with David Wolpert)
"Using game theory to influence pilot behavior during
near mid-air collisions"

11-12: David Leslie (with Harriet Bass)
Controlled learning through taxation

12 - 1:30: Lunch

1:30-3: Spotlight summaries of CNLS talks (9 ten minute talks)

3-3:30: Coffee break

3:30-4:30: Michael Littman (with Michael Wunder and Monica Babes)
"Classes of Multiagent Q-learning Dynamics with epsilon-greedy
Exploration"

4:30-5:30: Sujay Sanghavi
"Belief Propagation for Networks"

THURSDAY/

7:30 - 8:30: Breakfast

8:30-9: Robert Ecke
"Introduction to CNLS workshop segment"

9-10: Ilan Kroo
TBA

10-10:30: Coffee break

10:30-11:30: Nils Bertschinger (with Juergen Jost and Eckehard Olbrich)
"Autonomy and intentional action"

11:30 - 1: Lunch

1-1:30: James Wright
"Beyond Equilibrium: Predicting Human Behavior in Normal Form Games"

1:30-2:30: Frans Oliehoek
"Exploiting structure in collaborative games with private information"

2:30-3:00: Coffee break

3:00-4:00: Eckehard Olbrich (with N. Bertschinger, A. Kabalak, J.Jost)
"Communication in systems of interacting strategic agents"

4:00-5:00: Stefan Bieniawski
"Exploring the Role of Health-Based Adaptation in Multi-Vehicle Missions Using Indoor Flight Experiments"

FRIDAY/

8-9: Breakfast

9-10: Juergen Jost
"Some thoughts on the issue of rationality"

10-10:30: Coffee break

10:30-11:30: Brendan Tracey (with David Wolpert and Juan Alonso)
"Using supervised learning to improve Monte Carlo integral estimation"

11:30 - 1:00: Lunch

1:00-2:00: Dusan Stipanovic
"Accomplishing Multiple Objectives by Multiple Agents using Convergent Approximations of the Min and Max Functions"

2:00-2:30: Coffee break

2:30-3:30: Matteo Marsili (with A. Kirman, N. Hanaki and P. Pin)
"Ownership by luck"

3:30-4: Workshop wrapup