

Adaptive Learning: Theory, Data, and Applications

Stony Brook Workshop July 14-16, 2017

Peyton Young, Organizer

Friday July 14

10:00-10:10 Welcome: Peyton Young

10:10-10:50 Duncan Watts

10:50-11:00 Discussion

11:00-11:40 Dan Friedman

11:40-11:50 Discussion

11:50-1:00 Lunch

1:00-1:40 Edoardo Gallo

1:40-1:50 Discussion

1:50-2:30 Heinrich Nax

2:30-2:40 Discussion

2:40-3:10 Coffee

3:10-3:50 Bill Sandholm

3:50-4:00 Discussion

4:00-4:40 Drew Fudenberg

4:40-4:50 Discussion

6:00 Reception and Dinner at the Three Village Inn

Saturday July 15

9:00-9:40 Yakov Babichenko

9:40-9:50 Discussion

9:50-10:30 Itai Arieli

10:30-10:40 Discussion

10:40-11:10 Coffee

11:10-11:50 Peyton Young

11:50-12:00 Discussion

12:00-1:00 Lunch
1:00-1:40 Bary Pradelski
1:40-1:50 Discussion
1:50-2:30 Dean Foster
2:30-2:40 Discussion
2:40-3:10 Coffee
3:10-3:50 Sergiu Hart
3:50-4:00 Discussion
4:00-4:40 Sylvain Sorin
4:40-4:50 Discussion

Sunday July 16

9:00-9:40 Tom Norman
9:40-9:50 Discussion
9:50-10:30 John Duffy
10:30-10:40 Discussion
10:40-11:00 Coffee
11:00-11:40 Jason Marden
11:40-11:50 Discussion
11:50-12:30 Jeff Shamma
12:30-12:40 Discussion
12:40-1:30 Lunch
1:30 Adjourn

Presenters and Titles

Itai Arieli (Technion), Stochastic Learning Dynamics and Speed of Convergence to Nash Equilibrium

Yakov Babichenko (Technion), On the Speed of Convergence to Nash and Approximate Nash Equilibria

John Duffy (UC Irvine), Adaptive vs Eductive Learning

Dean Foster (Amazon), Calibration for General Convex Loss Functions

Dan Friedman (UC Santa Cruz), Adaptive Pricing in Oligopoly: A Laboratory Experiment

Drew Fudenberg (MIT), Agent Compatible Equilibrium

Edoardo Gallo (University of Cambridge), Financial Contagion in Networks: A Market Experiment

Sergiu Hart (Hebrew University), Smooth Calibration, Leaky Forecasts, Finite Recall, and Nash Dynamics

Jason Marden (UC Santa Barbara), The Perils of Ignoring Information in Distributed Learning

Heinrich Nax (ETH Zurich), Information and Adaptive Learning in Games: Experimental Evidence

Tom Norman (University of Oxford), Endogenous Market Selection

Bary Pradelski (ETH Zurich), Evolution of Institutions in the Medium Run

Bill Sandholm (University of Wisconsin), Best Experienced Payoff Dynamics and Cooperation in the Centipede Game

Jeff Shamma (KAUST), Distributed learning for distributed control systems

Sylvain Sorin (University of Paris), Learning Procedures and Evolutionary Dynamics: Some Recent Advances

Duncan Watts (Microsoft Research), Resilient Cooperators Stabilize Long-Run Cooperation in the Finitely Repeated Prisoner's Dilemma

Peyton Young (University of Oxford and LSE), Innovation Diffusion and Speed of Convergence in Social Networks