

Games, Learning, and Networks (03–21 Apr 2023)

[Click here](#) for Workshop talks.

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Name and Affiliation	Talk Title
Nizar Allouch University of Kent, UK	Aggregation in Networks
Dario Bauso University of Groningen, Netherlands	Cascading failures: dynamics, stability and control
John R. Birge The University of Chicago, USA	Prediction Games and Market Mechanisms
Peter Caines McGill University, Canada	Mean Field Games on Large Networks
Andrea Celli Bocconi University, Italy	Online Bidding in Repeated Auctions Under Long-Term Constraints
Volkan Cevher École Polytechnique Fédérale de Lausanne, Switzerland	Optimization Challenges in Robust Machine Learning
Benjamin Chasnov University of Washington, USA	Stability of Consistent Conjectures in a Class of Continuous Games
Giacomo Como Politecnico of Torino, Italy	On a network centrality optimization game
Davide Crapis Ethereum Foundation, Germany	Tutorial on Blockchain Mechanism Design Part II RIG Open Problems and closing thoughts
Gabriele Dragotto Princeton University, USA	Integer Programming Games: Do You Really Need Them?
Ezzat Elokda ETH Zürich, Switzerland	Dynamic population games for the modeling of complex socio-economic systems
Selman Erol Carnegie Mellon University, USA	Regulating Clearing in Networks

Name and Affiliation	Talk Title
Fryderyk Falniowski Krakow University of Economics, Poland	Chaos in dimension one and learning dynamics
Gabriele Farina Carnegie Mellon University, USA	Computation, Learning, and Steering Towards Optimal Equilibria and Mechanisms
Maxwell K Fishelson Massachusetts Institute of Technology, USA	Online Learning for Infinite Games
Delane Foo Blocknative, Singapore	Explain MEV Like I'm 5
Paolo Frasca CNRS, France	Potential deterioration in transportation network efficiency due to route recommendations
Jason Gaitonde Cornell University, USA	Budget Pacing in Repeated Auctions: Regret and Efficiency Without Convergence
David Grimsman Brigham Young University, USA	Information, Order, and Utility in Submodular Games
Julien Hendrickx Université catholique de Louvain, Belgium	Open Multi-Agents Models with Evolving Composition
Ya-Ping Hsieh ETH Zürich, Switzerland	A Dynamical System Theory for Learning Continuous Probability Measures
Yu-Guan Hsieh Université Grenoble Alpes, France	Making Optimistic Gradient Adaptive and Robust to Noise
Yaoqi Jia AltLayer, Singapore	Economic Mechanism for App-specific Rollups
Maryam Kamgarpour École Polytechnique Fédérale de Lausanne, Switzerland	Learning Equilibria in Convex and NonConvex Games Under Bandit Feedback
Ryan Chong Luck Kor National University of Singapore, Singapore	Welfare and Distributional Effects of Joint Intervention in networks
Stefanos Leonardos King's College, UK	Exploration-Exploitation in Multi-Agent Learning
Suraj Malladi Cornell University, USA	Rational Disagreement and the Fragility of Social Learning

Name and Affiliation	Talk Title
Alberto Marchesi Politecnico Milano, Italy	Relaxing Common Assumptions in Bayesian Persuasion Through Online Learning
Vangelis Markakis Athens University of Economics and Business & Archimedes Research Unit, Greece	On Multiplicative Weights Update and MirrorProx Methods for Zero-Sum Games
Barnabé Monnot Ethereum Foundation, Germany	Tutorial on Blockchain Mechanism Design Part I RIG Open Problems and closing thoughts
Dario Paccagnan Imperial College London, UK	The Unintended Consequences of Optimizing the Worst-case Equilibrium Performance
Nicolò Pagan Universität Zürich, Switzerland	Strategic Coalition Formation among Social Media Content Creators
Ioannis Panageas University of California, Irvine, USA	Recent advances in computing Nash equilibria in Markov Games
Francesca Parise Cornell University, USA	Network games with large populations: nonuniqueness and higher-order interactions
Lacra Pavel University of Toronto, Canada	Games over Networks: What issues does the network bring in? (Slides) Learning in Games: a View Through the Lens of System Control Theory
Vianney Perchet Center for Research in Economics and Statistics ENSAE, France	Multi-Players Bandits, Communication and Equilibrium
Paolo Pin University of Siena, Italy	Revealing information – or not – in trading with asymmetric information
Bary Pradelski CNRS, France	Mood-Based Learning
Raimundo Julián Saona Institute of Science and Technology Austria, Austria	Solving Simple Stochastic Games
Daniël Reijbergen Nanyang Technological University, Singapore	On the design of Ethereum’s EIP-1559 Fee Market
Ketan Savla University of Southern California, USA	Information Design for Non-atomic Games: Computation, Repeated Setting, and Experiment

Name and Affiliation	Talk Title
Muhammed Omer Sayin Bilkent University, Turkey	Learning in Stochastic Games
Marc Schröder Maastricht University, Netherlands	Negative Prices in Network Pricing Games
Jeff Shamma University of Illinois Urbana- Champaign, USA	Higher order uncoupled dynamics do not lead to Nash equilibrium-except when they do
James Siderius Massachusetts Institute of Technology, USA	A Model of Online Misinformation
Shyam Sridhar Protocol Labs, Singapore	Filecoin Models and FIPs
Sylvain Sorin Sorbonne Université, France	Advances on No-Regret Algorithms
Palina Tolmach Nanyang Technological University, Singapore	Level Up Your MEV Game with Formal Methods
Antonios Varvitsiotis Singapore University of Technology and Design, Singapore	Tutorial on Quantum Games Data-Scarce Identification of Learning Dynamics via Sum-of-Squares Optimization
Fernando Vega Redondo Bocconi University, Italy	Riot Networks and the Tullock Paradox: An application to the Egyptian Arab Spring
Xavier Venel Luiss University, Italy	Competition between lobbies in a Degroot framework Strategic Behavior and No-Regret Learning in Queuing Systems
Emmanouil Vasileios Vlatakis Gkaragkounis Columbia University, USA	The Chaotic Milonga Tango Night Dilemma
Hoi-To Wai The Chinese University of Hong Kong, China	On Multi-agent Performative Prediction Game over Multiplex Networks