

PROGRAM - 4th Workshop on Dynamic Games and Applications

Université Paris-Panthéon-Assas, October 23-24, 2025

Centre 87 NDC, 87 rue Notre-Dame-des-Champs, 75006 Paris

Thursday, October 23

8:15 – 8:50	Registration and coffee
8:50 – 9:00	Welcome address (Auditorium)
9:00 – 10:00	Session 1, Chair: Bertrand Crettez (Auditorium)
9:00 – 9:30	Optimal Management of Weakly Interacting Natural Resources with Tipping Points Anne-Sophie Crépin, Florian Wagener
9:30 - 10:00	Quantile-Dependent Mean Field Games with Applications to Early-Stage Venture Investments Michèle Breton , Dena Firoozi, Rinel Foguen Tchuendom
10:00 – 10:30	Break
10:30 – 12:30	Session 2A, Chair: Régis Chenavaz (Auditorium)
10:30 - 11:00	A Gaussian-based Approximation for a Two-Stage Dual Sourcing with Delivery Risk Edson Antonio Goncalves de Souza , Stefano Nasini, Tanja Mlinar, Maud Van Den Broeke
11:00 - 11:30	Collaborative Quality Improvement in Supply Chains with Recall Risk: Evaluating Cost- and Revenue-Sharing Contracts Salma Karray , Amir Jafarzadeh, Nader Azad
11:30 - 12:00	Dynamic Promotion Planning in Live Streaming Commerce Lijue Lu
12:00 - 12:30	Task Creation, Task Automation, and the Wage–Productivity Gap: A Life-Cycle Analysis Régis Chenavaz
10:30 – 12:30	Session 2B, Chair: Marcelo Griebeler (Room 318)
10:30 - 11:00	Learning Context-Aware Strategies in the Iterated Prisoner’s Dilemma with Actor–Critic network Tkach Nazarii
11:00 - 11:30	Overcoming Unfairness Via Repeated Interactions: Evolutionary Dynamics of Mini-Ultimatum Game Mandal Prosanta , Arunava Patra, Sagar Chakraborty
11:30 - 12:00	Infinite-dimensional multiobjective optimal control in continuous time Naila Hayek , Hasan Yilmaz
12:00 - 12:30	Coalitional vs. Co-optation Presidentialism: Strategic Bargaining and Political Stability Eduardo Fabres, Marcelo Griebeler
12:30 – 14:00	Lunch

14:00 – 15:30	Session 3A, Chair: Pietro De Giovanni (Auditorium)
14:00 - 14:30	The Feedback von Stackelberg Equilibrium in the Cartel-Fringe Model with Renewables Hassan Benchenkroun, Simon Elgersma , Cees Withagen, Gerard van der Meijden
14:30 - 15:00	Design of Efficient Mechanisms for Industrial Pollution Control Alberto A Álvarez-López , Filipe Martins, Alberto Pinto
15:00 - 15:30	Cooperative Decarbonization Under the Omnibus Package: A Dynamic Game Including Scope 1, 2 and 3 Emissions Pietro De Giovanni
14:00 – 15:30	Session 3B, Chair: Kevin Reffett (Room 318)
14:00 - 14:30	Evolutionarily Stable Foraging Patch Leaving Strategies Prosenjit Roy , Srujan Khilada, Sagar Chakraborty
14:30 - 15:00	Robust dynamic games played over event trees Elena Parilina , Georges Zaccour
15:00 - 15:30	Time Consistent Dynastic Choice Lukasz Balbus, Kevin Reffett , Lukasz Wozny
15:30 - 16:00	Break
16:00 – 17:30	Session 4A, Chair: Benteng Zou (Auditorium)
16:00 - 16:30	When Cures Are Costly: Budget-Constrained Epidemic Control and Strategic Drug Pricing Andrea Caravaggio , Andrea Di Liddo, Angela Martiradonna
16:30 - 17:00	Transboundary Pollution under Cross-Border Abatement and Concerns Simone Marsiglio, Nahid Masoudi
17:00 - 17:30	Strategic Consideration and Optimal Timing of Critical Mineral Depletion, Recycling, and Substitution Chen Yiwen, Nora Paulus, Nora, Weihua Ruan, Benteng Zou
16:00 – 17:30	Session 4B, Chair: Naila Hayek (Room 318)
16:00 - 16:30	When Lions meets Krugman: A Mean-Field Game framework for the New Economic Geography Mohamed Bahlali , Raouf Boucekkine, Quentin Petit
16:30 - 17:00	Non-Uniqueness and Regularization in Mean Field Games with Continuous-Time Binary-State Markov Chains Pra Dai, Paolo, Luca Grosset, Elena Sartori , Marco Tolotti
17:00 - 17:30	Bayesian Fictitious Play in One-sided Partially-Observable Markov Games Olivier Bilenne, Yezekael Hayel, Tomas Votroubek , Tomas Kroupa
19:30 – 21 :15	Cocktail Salle Goullencourt, 1 st floor, aile Soufflot, Centre Panthéon, 12 place du Panthéon, 75005

Friday, October 24

9:00 – 10:30	Session 5A, Chair: Andrea Di Liddo (Auditorium)
9:00 - 9:30	Analytical Insights into the Role of Cooperator Position and Degree of Cooperation in General Network Rio Aurachman , Giuliano Punzo
9:30 - 10:00	Bargaining Via Weber's Law Vardan Bardakhchyan
10:00 - 10:30	Dynamic Nash Bargaining and Applications Andrea Caravaggio, Andrea Di Liddo , Angela Martiradonna
9:00 – 10:30	Session 5B, Chair: Fabio Lamantia (Room 318)
9:00 - 9:30	Two-Period Environmental Games Under Uncertainty Sacco Armando , Lina Mallozzi
9:30 - 10:00	Breaking the Net: The Fragility of Cooperation in Shared Fisheries Guillaume Bataille , Benteng Zou
10:00 - 10:30	Taxing the Invisible: Unobservable Pollution and Green Transition in a Multi-Sector Framework Fabio Lamantia , Davide Radi
10:30 - 11:00	Break
11:00 – 12:30	Session 6A, Chair: Angela Martiradonna (Auditorium)
11:00 - 11:30	Non-Convergent Outcomes in Evolutionary Games Dubey, Vikash Kumar , Sayak Bhattacharjee, Suman Chakraborty, Archan Mukhopadhyay, Sagar Chakraborty
11:30 - 12:00	Exit and Pollution Regulation: A Dynamic Games Approach Bertrand Crettez , Naila Hayek
12:00 - 12:30	Trade-Offs between Ecological Risks and Management Costs in Tackling Invasive Alien Species through Optimal Control and Differential Games Angela Martiradonna
11:00 – 12:30	Session 6B, Chair: Juan Pablo Rincon-Zapatero (Room 318)
11:00 - 11:30	Impact of Small Control Penalty Coefficients on the Outcome of Stackelberg Linear-Quadratic Differential Game Vladimir Turetsky , Valery Y. Glizer
11:30 - 12:00	Swarm Controls Based on a Primal-Dual Mean-Field Game Optimization Approach Stéphane Le Méné
12:00 - 12:30	Non-Smooth and Discontinuous Markov Perfect Nash Equilibrium in Differential games Juan Pablo Rincon-Zapatero
12:30 – 14:00	Lunch

14:00 – 16:00	Session 7A, Chair: Georges Zaccour (Auditorium)
14:00 - 14:30	Optimal Control in Evolutionary Game Theory: Designing Efficient Interventions to Political Challenges Alessandra Buratto , Oto Murer Montagner, Dieter Grass, Rudy Cesaretto
14:30 - 15:00	Dynamic Network Formation with Farsighted Players and Limited Capacities Michel Grabisch, Elena Parilina , Agnieszka Rusinowska, Georges Zaccour
15:00 - 15:30	When Review Bots Meet Detection Bots: An AI Arms Race in Online Markets Zaruhi Hakobyan , Sonya Vardanyan
15:30 – 16:00	Formation of International Environmental Agreements and Payoff Allocation Michel Grabisch, Elena Parilina, Agnieszka Rusinowska, Georges Zaccour
14:00 – 15:30	Session 7B, Chair: Agnieszka Wiszniewska-Matyszek (Room 318)
14:00 - 14:30	Risk Aversion in Information Cascades Elizaveta Zelnitskaia
14:30 - 15:00	Nash Equilibria Are Extremely Unstable in Most Games under the Utility-Taking Gradient Dynamics Aviad Heifetz , Jorge Pena
15:00 – 15:30	Partial Cooperation in Resource Extraction on Networks: Sharing Wealth versus Sharing Extraction Rights Silvia Faggian, Dominika Machowska, Agnieszka Wiszniewska-Matyszek
21:30	Workshop diner Restaurant : Le Bouillon Racine, 3 rue Racine, 75006 Paris