

PROGRAM - 5th Workshop on Dynamic Games and Applications

Université Paris-Panthéon-Assas, October 15-16, 2026

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

Thursday, October 15

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 The generalized Sethi advertising model
Suresh Sethi, Adrian P. Kennedy, Chi Chung Siu, Sheung Chi Phillip Yam

9:30 - 10:00 A unified theory of institutional dynamics
Raouf Boucekkine, Rodolphe Desbordes, Weihua Ruan, **Benteng Zou**

10:00 – 10:30 Break

10:30 – 12:30 Session 2A, Chair: Leif Kristoffer Sandal (Auditorium)

10:30 - 11:00 Non-deceptive counterfeiting with brand dilution and network externalities: Beyond conventional beliefs
Salma Karray, Guiomar Martin-Herran, Simon Pierre Sique

11:00 – 11:30 When green claims backfire: A differential game of greenwashing, skepticism, and supply-chain cost sharing
Arka Mukherjee

11:30 – 12:00 Risk-Aware investment and pricing for shared infrastructure: A Stackelberg game approach
Amal Sakr, Andrea Araldo, Tamer Basar, Tijani Chahed

12:00 - 12:30 Dynamic buyback and cap-and-trade policies in supply chains under stochastic demand and price-history effects
Leif Kristoffer Sandal, Mahnaz Fakhrabadi

10:30 – 12:30 Session 2B, Chair: Naila Hayek (Room 301)

10:30 - 11:00 Approximate solution of a two-player Nash linear-quadratic differential games by artificial parameter approach
Vladimir Turetsky, Valery Y. Glizer

11:00 - 11:30 Lie brackets and optimal feedback regulation of stochastic control problems and differential games
Juan Pablo Rincon-Zapatero

11:30 - 12:00 State-constrained optimal control of the continuity equation: Hilbert vs Wasserstein
Ivan Romanò, Fabio Bagagiolo, Hasnaa Zidani

11:30 - 12:00 Multiobjective differential games
Naila Hayek

12:30 – 13:30 Lunch

13:30 – 15:00	Session 3A, Chair: Florian Wagener (Auditorium)
13:30 - 14:00	Consistent conjectures in differential games and Pareto solutions Mabel Tidball, Alain Jean-Marie
14:00 - 14:30	Properties of guaranteed cost equilibrium in scalar infinite horizon linear quadratic differential games Puduru Viswanadha Reddy , Aniruddha Roy
14:30 - 15:00	On the construction of best responses in a differential game Niko Jaakkola, Florian Wagener
13:30 – 15:00	Session 3B, Chair: Agnieszka Wiszniewska-Matyszek (Room 301)
13:30 - 14:00	Group strategyproof co-investment in shared edge capacity: Reconciling Shapley based cost sharing with Moulin admission Santiago Tabarez , Andrea Araldo, Tijani Chahed
14:00 - 14:30	Bayesian cyber duel games: Approximate dynamic programming for strategic decision-making under uncertainty Yosef Tirat-Gefen, Filipe Vinci
14:30 - 15:00	When beliefs about reality influence reality—May using ML result in sticking in belief-distorted Nash equilibria? Agnieszka Wiszniewska-Matyszek
15:00 - 15:30	Break
15:30 – 17:00	Session 4A, Chair: Fouad El Ouardighi (Auditorium)
15:30 - 16:00	Dynamic dual-sourcing under endogenous risks: A neural network approach Lijue Lu
16:00 - 16:30	Mass customization vs. mass production: Competition dynamics under stochastic experience accumulation Konstantin Kogan and Priel Levy
16:30 - 17:00	Outsourcing as a coordination failure: Pricing authority and its limits in decentralized supply chains Fouad El Ouardighi
15:30 – 17:00	Session 4B, Chair: Nikolaos Pnevmatikos (Room 301)
15:30 - 16:00	Survival of dominated strategies under standard no-regret dynamics Galit Ashkenazy-Golan, Domenico Mergoni Cecchelli, Panayotis Mertikopoulos, Edward Plumb, Bassel Tarbush, Yannick Viossat
16:00 - 16:30	Stackelberg vs bilevel optimization in non-cooperative view Anand Kumar , K S Mallikarjuna Rao
16:30 - 17:00	Limit values in frequency-dependent games with non-separable payoffs: a comparison principle approach Nikolaos Pnevmatikos

19:00 – 21:00 **Cocktail**
Salle Goullencourt, 1st floor, aile Soufflot, Centre Panthéon, 12 place du Panthéon, 75005

Friday, October 16

9:00 – 10:30 **Session 5A, Chair: Mabel Tidball (Auditorium)**

9:00 - 9:30 Strategic nuclear policies: Theory and evidence
Mathis Fundaro

9:30 - 10:00 Co-opetitive infrastructure sharing: A fisher market with externalities and endogenous production
Mandar Datar, Andrea Araldo, Tijani Chahed

10:00 - 10:30 Learning in a mixed market with centralized and decentralized organizations
Denis Claude, Mabel Tidball

9:00 – 10:30 **Session 5B, Chair: Andrea Araldo (Room 301)**

9:00 - 9:30 Conference design for consensus under KL acceptance
Liping Tang, **Michiko Ogaku**

9:30 - 10:00 Experimentation under Delayed Success
Soumik Kumar Saha, Shraman Banerjee

10:00 - 10:30 The limits of manipulation within personalized incentive policies
Andrea Araldo, Alessa Mayer, Ravi Seshadri, Amir Brudner

10:30 - 11:00 **Break**

11:00 – 12:30 **Session 6A, Chair: Michèle Breton (Auditorium)**

11:00 - 11:30 Strategic pharmaceutical incentives in epidemic control and disease eradication
Guillaume Bataille, Benteng Zou, Weihua Ruan

11:30 - 12:00 Optimal control of resource extraction under endogenous risk and scarcity
Alessandra Buratto, Luca Grosset, Maddalena Muttoni

11:30 - 12:00 Green transition under emission trading systems: A dynamic game interpretation
Michèle Breton, Pascal François, Amavi Hounlete

11:00 – 12:30 **Session 6B, Chair: Bertrand Crettez (Room 301)**

11:00 - 11:30 Minimum quality standards and strategic commercialization investment
Luoyuan Gan

11:30 - 12:00 Signaling through the noise: Continuous auditing and the persistence of greenwashing
Jianxin Guo

12:00 - 12:30 Existence of equilibrium in a dynamic supply chain game with vertical coordination, horizontal competition, complementary goods and irreversible investment
Bertrand Crettez, Naila Hayek, Guiomar Martin-Herran

12:30 – 14:00	Lunch
14:00 – 16:00	Session 7A, Chair: Georges Zaccour (Auditorium)
14:00 - 14:30	Markovian process explainer: A new explainable artificial intelligence method Chi Zhao, Elena Parilina , Georges Zaccour
14:30 - 15:00	Discrete-time dynamics of indirect reciprocity: The role of punishment Fabio Lamantia , Anastasiia Panchuk, Mario Pezzino
15:00 - 15:30	The core in differential network games with changing communication structure. Leon A. Petrosyan
15:30 – 16:00	Managing space debris in the era of large constellations: A dynamic game approach Pierre Bernhard, Marc Deschamps, Georges Zaccour
14:00 – 15:30	Session 7B, Chair: Piotr Więcek (Room 301)
14:00 - 14:30	Balancing cost and demand in a smart grid - a mean-field game analysis Piotr Więcek, Michał Jakubowski
14:30 - 15:00	A variational mean field game of controls with free final time and pairwise interactions Saeed Arjmand , Guilherme Mazanti, Laurent Pfeiffer
15:00 – 15:30	A Mean-Field Game approach for attack defense of swarms of drones Stéphane Le Ménéec
15:30 – 16:00	Multiple-population discrete-time mean-field games with long-run average rewards Piotr Więcek
19:30	Workshop diner Restaurant Bibie in hotel "Le Jardin de Verre", 7 rue Lacépède 75005 https://www.bibie-paris.com/