

**Workshop on Dynamic Games and Applications**  
**CRED-GERAD-LEMMA**  
**Chair in Game Theory and Management HEC Montréal**  
**Université Paris-Panthéon-Assas, October 26-27, 2023**  
**Preliminary Program**

**Thursday, October 26**

<b>8:30 – 8:50</b>	<b>Registration</b>
<b>8:50 – 9:00</b>	<b>Welcome address</b>
<b>9:00 – 9:45</b>	<b>Invited talk 1, Chair: Bertrand Crettez</b>  International Environmental Agreements: Preferences, Stability and Effectiveness <b>Michèle Breton</b>
<b>9:45 – 10:15</b>	<b>Break</b>
<b>10:15 - 12:30</b>	<b>Session 1, Chair: Florian Wagener</b>
<b>10:15 - 10:40</b>	The Evolutionary Dynamics of Costly Signaling Josef Hofbauer, <b>Christina Pawlowitsch</b>
<b>10:40 - 11:05</b>	Recursive Procedure for Game Space Decomposition in Differential Game with Bounded Controls Valery Y. Glizer, <b>Vladimir Turetsky</b>
<b>11:05 - 11:30</b>	Understanding the Strategic Dynamics of the Thucydides Trap Emin Karagözoğlu, Kerim Keskin, <b>Çağrı Sağlam</b>
<b>11:30 - 11:40</b>	<b>Break</b>
<b>11:40 - 12:05</b>	Feedback Stackelberg-Nash Equilibria in Quasi-Hierarchical Difference Games with Inequality Constraints <b>Partha Sarathi Mohapatra</b> , Puduru Viswanadha Reddy, Georges Zaccour
<b>12:05 - 12:30</b>	Consecutive Patent Races with Industry-Wide Knowledge Accumulation Hsin-Mien Wang, <b>Florian Wagener</b>
<b>12:30 – 14:00</b>	<b>Lunch</b>

<b>14:00 – 15:40</b>	<b>Session 2, Chair: Nikolaos Pnevmatikos</b>
<b>14:00 - 14:25</b>	Robustness and Sample Complexity of Model-Based Reinforcement Learning for General-Sum Markov Games Jayakumar Subramanian, Amit Sinha, <b>Aditya Mahajan</b>
<b>14:25 - 14:50</b>	Capacity Coordination in a Duopoly with Perfect Cournot Complements <b>Bertrand Crettez</b> , Naila Hayek, Guiomar Martín-Herrán
<b>14:50 - 15:15</b>	Output Feedback Guaranteed Cost Equilibria in Infinite-Horizon Linear-Quadratic Differential Games Aniruddha Roy, <b>Puduru Viswanadha Reddy</b>
<b>15:15 - 15:40</b>	Simple Relational Contracts and the Dynamics of Social Capital <b>Mathieu Leduc</b>
<b>15:40 – 16:10</b>	<b>Break</b>
<b>16:10 – 18:25</b>	<b>Session 3, Chair: Santiago J. Rubio</b>
<b>16:10 - 16:35</b>	Resource Mobility and Market Performance Luca Colombo, <b>Paola Labrecciosa</b>
<b>16:35 - 17:00</b>	Dynamic Pricing, Objective and Subjective Quality, and the Price-Quality Relationship Domenico De Giovanni, <b>Régis Chenavaz</b>
<b>17:00 - 17:25</b>	Positional and Conformist Effects in Public Good Provision: Strategic Interaction and Inertia Francisco Cabo, Alain Jean-Marie, <b>Mabel Tidball</b>
<b>17:25- 17:35</b>	<b>Break</b>
<b>17:35 - 18:00</b>	Setting Interim Deadlines to Persuade <b>Maxim Senkov</b>
<b>18:00 - 18:25</b>	Cournot Competition, Emission Taxation and Green Innovation in a Dynamic Setting Guiomar Martín-Herrán, <b>Santiago J. Rubio</b>
<b>19:00</b>	<b>Cocktail</b>

## Friday, October 27

- 9:00 – 9:45**      **Invited talk 2, Chair: Naila Hayek**
- Information Issues in Mean Field Games  
**Pierre Cardaliaguet**
- 9:45 – 10:15**      **Break**
- 10:15 - 12:30**      **Session 4, Chair: George P. Papavassilopoulos**
- 10:15 - 10:40**      Strategic Considerations of Critical Mineral Depletion, and Recycling Under Markovian Competition  
Weihua Ruan, **Benteng Zou**
- 10:40 - 11:05**      Effect of Pre-Game Perception-Level Neighbor Interactions on Evolution of Cooperation in a Spatial Multigame  
**Ömer Durukan Kılıç**, Hürevren Kılıç
- 11:05 - 11:30**      A Multilayer Approach to a Networked Sanction Game with Transferrable Utility  
**Toby Willis**, Giuliano Punzo
- 11:30 - 11:40**      **Break**
- 11:40 - 12:05**      Representation and Scalability of Extensive-Form Games  
**Paolo Zappalà**, Amal Benhamiche, Matthieu Chardy, Francesco De Pellegrini, Rosa Figueiredo
- 12:05 - 12:30**      Hedging Option Policies Affecting the Stock Price Evolution  
**George P. Papavassilopoulos**, Petros A. Ioannou
- 12:30 – 14:00**      **Lunch**
- 14:00 – 15:40**      **Session 5, Chair: Alessandra Buratto**
- 14:00 - 14:25**      Risk Aversion in Information Cascades  
**Elizaveta Zelnitskaia**
- 14:25 - 14:50**      Strategic Influence over Continuous Social Networks  
**Julian Chitiva**, Xavier Venel
- 14:50 - 15:15**      Investment in Abatement Capacity when Consumers Value the Environmental Performance of the Supply Chain  
**Lijue Lu**, Elena Parilina, Georges Zaccour
- 15:15 - 15:40**      A Revenue Sharing Contract in a Supply Chain with Switching Costs

**Alessandra Buratto**, Luca Grosset, Maddalena Muttoni

**15:40 – 16:10**

**Break**

**16:10 – 18:25**

**Session 6, Chair: Georges Zaccour**

**16:10 - 16:35**

Oligopoly Exploitation of Common-Pool Non-Renewable Resources: Price vs Quantity Competition

**Luca Colombo**, Paola Labrecciosa

**16:35 - 17:00**

Tournesol: The Game-Theoretical Challenges of Developing a Secure Online Collaborative Platform

**Lê Nguyễn Hoàng**

**17:00 - 17:25**

Spatial Competition à la Hotelling with Multiple Vendors and Multiple Types of Goods

**Emily Tanimura**

**17:25- 17:35**

**Break**

**17:35 - 18:00**

Beyond the classical Hamilton's rule: State distribution asymmetry and the dynamics of altruism

**Krzysztof Argasinski**

**18:00 - 18:25**

Payment Schemes for Sustaining Cooperation in Dynamic Games Played over Event Trees

**Elena Parilina**, Georges Zaccour

**20:00**

**Workshop dinner**