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LEMMA
Laboratoire d'économie mathématique et de microéconomie appliquée

SÉMINAIRE

COOPERATIVE GAMES WITH UNPAID PLAYERS

03 February 2026
Lemma - Salle Maurice Desplas
4 rue Blaise Desgoffe
75006 Paris

Le mardi 3 février à 11h, en salle Maurice Desplas, le LEMMA accueillera **Léa Munich** (Assas-CRED).

Léa étudie la résolution de problèmes d'allocation des coûts et des responsabilités en mobilisant la théorie des jeux coopératifs, l'approche normative, la recherche opérationnelle et l'analyse économique du droit.

Titre: *Cooperative games with unpaid players.* (avec Sylvain Béal, Kevin Techer et Philippe Solal)

Abstract: We consider cooperative TU-games with unpaid players, which are described by a TUgame and two categories of players, paid and unpaid. Unpaid players participate in the cooperative game but are not rewarded for their participation, for instance for legal reasons. The objective is then to determine how the contributions of unpaid players are redistributed among the paid players. To meet this goal, we introduce and characterize axiomatically three values that are inspired by the Shapley value but differ in the way they redistribute the contributions of unpaid players. These values are uniffed as instances of a more general two-step allocation procedure.