



SÉMINAIRE - LEMMA

A DECISION-MAKING MODEL BASED ON HABITUAL DOMAIN THEORY

29 April 2025

**Lemma - Salle Maurice Desplas 4 rue
Blaise Desgoffe 75006 PARIS**

Le Lemma accueillera Moussa LARBANI pour un séminaire, sur le thème « **A Decision-Making model based on Habitual Domain theory** » le mardi 29 avril à 11h.

Moussa LARBANI est professeur à l'ENS de mathématiques de Sidi ABDELLAH, en Algérie. Ses travaux de recherche portent notamment sur la prise de décision, l'aide à la décision multicritère et la théorie des jeux. Voir ses travaux [ici](#).

Résumé :

In this talk, we propose a decision-making/optimization model, the decision-making/optimization in changeable spaces (DM/OCS). The unique feature of DM/OCS is that it incorporates human psychology and its dynamics for a better representation of the decision-making process and allows for the restructuring of decision parameters. DM/OCS is based on the Habitual Domain theory, the decision parameters, the concept of competence set, and the mental operators called 7-8-9 principles of deep knowledge. The covering/discovering process is formulated as DM/OCS problem. Moreover, solutions to decision problems can be expressed as mental operators. A simple illustrative example is presented.