

La sixième présentation du séminaire hebdomadaire du Laboratoire de
Mathématiques Pures et Appliquées sera faite par

Monsieur le Professeur Abdessamad AMIR

le Mercredi 28 Avril 2021 à 13 h 30 dans la Salle Polyvalente.

Titre : *Machine Learning Techniques for Optimization.*

Abstract : *Optimization is a mathematical tool widely used in machine learning, especially in supervised classification problems. In this talk we are interested by the reverse. Since training sets are not usually linearly separable in the input space, the kernel trick is often used to map the input data into a high dimensional space called the reproducing kernel hilbert spaces (RKHS). Thanks to functional analysis results, such as Mercer's theorem, these data will be linearly separable in the RKHS. The goal is to exploit this idea in nonlinear optimization.*

Les étudiants M2, les doctorants ainsi que tous les collègues sont cordialement invités.