Title: Some Mean Field Game models in the management of fisheries

Abstract:

In this talk we will review some recent works with Z. Kobeissi and D. Ruiz-Balet devoted to the understanding of MFG models for the optimal management of fisheries More specifically, were are trying to answer the following question: if several agents are competing to harvest from a common pool of fishes, what is the impact of their competition on the fishes' population?