Tuesday 21 February 2017
16h00 – 17h30
UT3 Paul Sabatier, IRIT, Salle 001

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Symbolic Dynamics, Asymptotic Combinatorics and Game Theory

Abstract: The talk will be devoted to various connections of game theory with symbolic dynamics and asymptotic combinatorics. Symbolic dynamics studies the properties of special class of dynamical systems given by the shift operator in the space of symbolic sequences. As examples, the games described by the processes in some graded graphs will be presented. The connections with other domains of mathematics will be discussed.