

# Seminar of Probability and Stochastic Process

Thursday, 19th November, from 16h15

[MA A1 10](#), EPFL, Ecublens

**[Prof. Bruno Schapira](#)**

**I2M- Université Aix-Marseille**

## **A uniform lower bound on the extinction time of the contact process on finite graphs**

### **Abstract:**

Motivated by recent focus on random graphs models for the contact process, we prove a uniform lower bound on every finite graph, without restriction on the maximal degree, for infection's rate larger than the critical value on the line. Our result is optimal up to a logarithmic correction, and extends the previous bound obtained by Mountford, Mourrat, Valesin and Yao in the bounded degree case. Joint work with Daniel Valesin.

Date of last change: Wed, 11 Nov 2015 10:08:37, by Carlo Ciccarella

