

Decision Models and Population Management

February 2-4, 2016

UPMC, PARIS, FRANCE

Lane 15-16, 1st floor, Room 101



MUSÉUM
NATIONAL D'HISTOIRE NATURELLE

Tuesday, February 2

- 09:00-09:10 **Registration**
- 09:10-09:15 **Opening** by Hélène FRANKOWSKA

Chairman: Sylvain SORIN

- 09:15-10:15 **Karl SIGMUND** *Partner and rival strategies for iterated games*
- 10:15-11:00 **Yannick VIOSSAT** *Imitation dynamics and dominated strategies*
- 11:00-11:30 **Coffee Break**
- 11:30-12:15 **Michel BENAÏM** *Lotka Volterra in fluctuating environment*
- 12:15-14:00 **Lunch Break**

Chairman: Marino GATTO

- 14:00-15:00 **Jean-Philippe TERREAUX** *Management of forests in a context of impulse risks*
- 15:00-16:00 **Denis COUVET** *Relationships between agriculture and biodiversity : intensive farming or agro-ecology ?*
- 16:00-16:30 **Coffee Break**
- 16:30-17:15 **Vianney PERCHET** *An overview of "bandit problems"*

Wednesday, February 3

Chairman: Denis COUVET

- 09:30-10:15 **Marino GATTO** *General introduction to the problem of environmental sustainability and global change*
- 10:15-11:00 **Paco MELIÀ** *Large-scale management of fisheries*
- 11:00-11:30 **Coffee Break**
- 11:30-12:15 **Renato CASAGRANDE** *Modelling and management of waterborne diseases: using mobile phone data to study schistosomiasis*
- 12:15-14:15 **Lunch Break**

Chairwoman: Anne-Caroline PRÉVOT

- 14:15-15:00 **Sophie MARTIN** *Local and global viability*
- 15:00-16:00 **Ihab HAIDAR** *Mathematical modelling of urban pigeon population subject to social management strategies*
- 16:00-16:30 **Coffee Break**
- 16:30-17:15 **Sylvain DUCTOR** *Concurrent managing of a pigeon population spread over autonomous areas*

Thursday, February 4

Chairman: Karl SIGMUND

- 09:30-10:15 **Vladimir VELIOV** *Periodic utilization of heterogeneous biological resources*
- 10:15-11:00 **Sylvain SORIN** *Composite games: strategies, equilibria, dynamics and applications*
- 11:00-11:30 **Coffee Break**
- 11:30-12:15 **Tristan TOMALA** *On long-term repeated games*
- 12:15-14:15 **Lunch Break**

Chairwoman: Isabelle ALVAREZ

- 14:15-15:00 **Nicolas MAUDET** *Collective decision-making with strategic candidates*
- 15:00-15:45 **Alain RAPAPORT** *About minimal time crisis problems and population dynamics examples*
- 15:45-16:30 **Jean-Baptiste MIHOUB** *Population viability applied to conservation sciences*