

## Mathieu GALTIER

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Single, born on April 24, 1984

French nationality

### Academic experience:

- 2014: Post-doc with Alain Destexhe and Olivier Faugeras in computational neuroscience at the **European Institute for Theoretical Neuroscience** in Paris. I work on the modeling of dendrites on neuromorphic computers and their role in the dynamics of large neural networks.
- 2012-2013: Post-doc with Herbert Jaeger in machine learning at **Jacobs University Bremen**. I worked on the topic of reservoir computing and its use for the modelisation of both perceptive and motor neural networks.
- 2008-2011: PhD with Olivier Faugeras in mathematical neuroscience at **Inria Sophia / ENS Paris** and 9 months spent with Paul Bressloff in **Oxford University**. My PhD is entitled: “a Mathematical approach of unsupervised learning in recurrent neural networks”.

### Educational background :

- 2007-2008: Master degree of “Mathematics, Vision and Machine learning” at the **Ecole Normal Supérieure** in Cachan. Specialization in machine learning and computational neuroscience.
- Summer 2006: Internship at the **Imperial College London** in mathematical ecology. Developing a relevant dynamical system for plants competition.
- Fall 2005: Exchange semester at the “**Ecole Polytechnique**” in Montréal.
- 2004-2007 : Master degree of Scientific and Executive Engineering at **Mines ParisTech**, one of the top « grande école » (top graduate engineering schools) in France. Major in applied mathematics (dynamical systems and control).
- 2002-2004 : Scientific preparatory classes in Lyon, a specific two-year undergraduate program leading to a national examination for admission to the French « Grandes écoles », specializing in mathematics, physics and engineering.
- 2002: French scientific «Baccalauréat» passed with greatest honours.

### Foreign Languages :

- English : Fluent (TOEFL IBT : 107/120)
- German : Fluent with mistakes.

### Teaching experience:

- Fall 2011: Teaching assistant for a class in differential calculus at Master level at Mines ParisTech.

- 2007-2008: Mathematics teacher and examiner (“colleur”) in “classes préparatoires”.
- 2006-2007: Informatics teacher (PASCAL) for a group of 40 students.
- 2004-2006: Private tutoring for students in mathematics and physics up to “classe préparatoire”.

### **Computing skills:**

- OS: Linux for everyday life, Windows for compatibility.
- Programming languages : good Python programmer. Skills in Matlab, Java, Maple.

### **Extra-curricular activities:**

- **Sport:** Judo (black belt), Hiking.
- **Music:** bass player in a band.
- **Robotics:** hands on electronics. Participation to the European cup of robotics.