

Postdoctoral Research Position in Dynamical Systems

Applications are invited for a postdoctoral position in Ergodic Theory and Dynamical Systems within the project *Non Uniform Hyperbolicity in Global Dynamics* of Sylvain Crovisier funded by the ERC.

Beginning: september 2018

Length: 24 months

Location: Laboratoire de Mathématiques d'Orsay, Université Paris-Sud, France

Research: this postdoctoral position is funded by the ERC project *Non Uniform Hyperbolicity in Global Dynamics*. This project studies the qualitative, symbolic and probabilistic aspects of the dynamics of differentiable dynamical systems (diffeomorphisms or flows). It focuses in particular on:

- partial hyperbolicity and various notions of non-uniform hyperbolicity,
- symbolic dynamics and ergodic theory of differentiable systems,
- perturbative techniques and genericity.

The research project of the candidate should be related to one of the main tasks of this project.

Teaching: no teaching load

Income: the salary is about 2 100 euros per month (net income)

Application: the candidate should send an e-mail to Sylvain Crovisier with subject [Postdoc NUHGD] YOUR_NAME YOUR_SURNAME by 10th December 2017. The email should include a CV (including a list of publications), a short description of the research and a research plan. Complete articles should not be attached to the email, but links to Arxiv or a web page are very welcome. Recommendation letters should be sent directly by the reference using an email with the same subject as the candidate.

Deadline: 10th December 2017 at 24:00 (Paris-time).

Contact: sylvain.crovisier@math.u-psud.fr