

# Dynamical Systems and Ergodic Theory

First Joint Meeting Brazil-France in Mathematics

organizers: Christian Bonatti (Univ. Bourgogne, Brazil) and Lorenzo J. Díaz (PUC-Rio, Brazil)

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The scientific collaboration between Brazilian and French researchers is extremely prolific and has a long history and tradition. This collaboration increased substantially after the stays of some French mathematicians in Brazil (namely, at IMPA) as French cooperators (“volontaires du service actif pour la coopération internationale”), this list includes prestigious names as J. C. Yoccoz and E. Ghys, among others. Since the 90’s this collaboration was much more regular, systematic, and intense, including visits and stays of Brazilian mathematicians in France, and vice-versa. The collaboration project in mathematics between Brazil and France as well as numerous pos-doctoral stays of researchers contributed substantially to this progress. Nowadays, it is not possible to enumerate the list of joint research activities in this extremely prolific field.

The topics (and also the names) selected for this session try to reflect this fruitful collaboration as well as to show new potential research lines for further activities, paying special attention to young promising researchers. These topics include topological dynamics of maps, ergodic properties of non-hyperbolic systems, bifurcations and fractal dimensions, infinite ergodic theory, and geodesic flows.

The proposal consists of 8 talks of 50 minutes (speakers are listed below), we also consider 10 additional minutes for each talk (5 minutes for questions and a short pause of 5 minutes).

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## Speakers:

- Juliette Bavard (Univ. Rennes 1, France)
- Patrícia Cirilo (Unifesp, Brazil)
- Sylvain Crovisier (Univ. Paris-Sud, France)
- Bassam Fayad (Institut de Mathématiques de Jussieu, France)
- Patrice Le Calvez (Institut de Mathématiques de Jussieu, France)
- Karina Marín (UFMG, Brazil)
- Carlos Gustavo Moreira (IMPA, Brazil)
- Ali Tahzibi (ICMC-USP-São Carlos, Brazil)