



18-21 June
2024

WORKSHOP

Aula Dini

Via del Castelletto

Scuola Normale Superiore

PISA

ORGANIZERS:

Jean-René Chazottes

CNRS and École polytechnique

Stefano Galatolo

Università di Pisa

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CNRS and Université de Rennes

COMPUTER-ASSISTED PROOFS, PROOF ASSISTANTS AND VISUALIZATION IN DYNAMICAL SYSTEMS

The scope of this workshop is to foster interactions between researchers working in the field of dynamical systems and ergodic theory, and who use, or want to use, rigorous computational methods. We want to deal with three different, complementary aspects: computer-assisted proofs, formal verification of proofs (proof assistants), and visualization tools.

If the last aspect has a long history and was at the origin of important discoveries, computer-assisted proofs are much less developed, whereas the use of proof assistants is in its infancy.

The workshop "Statistical and Computational Aspects of Dynamics" held in 2022 at the Centro de Giorgi has some aspects in common with the present one, but the project proposed here is significantly different because of the theme of proof assistants.

CONFIRMED SPEAKERS:

OSCAR BANDTLOW

Queen Mary University of London

OLIVER BUTTERLEY

Università di Roma Tor Vergata

JÉRÔME BUZZI

Université Paris-Saclay

SEBASTIEN GOUZEL

CNRS and Université de Rennes

ZHANG HONGKUN

University of Massachusetts

ALEXEY KOREPANOV

Loughborough University

ISAIA NISOLI

Universidade Federal de Rio de Janeiro

MARK POLLICOTT

University of Warwick

JULIA SLIPANTSCHUK

University of Warwick

DAMIEN THOMINE

Université Paris-Saclay

WARWICK TUCKER

Monash University

POLINA VYTCOVA

University of Surrey

CAROLINE WORMELL

Australian National University

WEB SITE: <http://www.crm.sns.it/event/520/>

Please note that for organizational purposes, registration is mandatory.

INFO

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