



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
Sebastien Gouezel
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
JÉRÔME BUZZI
Université Paris-Saclay
ALEXEY KOREPANOV
Loughborough University
MARC MONTICELLI
CNRS, Université de Nice
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 VYTCNOVA
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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