

New trends in Lyapunov exponents

February 7th–11th 2022, Lisbon, Portugal

by **Pedro Miguel Duarte*** and **João Lopes Dias****

Between the 7th and 11th of February it took place at ISEG (*Lisbon School of Economics & Management*) the international workshop *New Trends in Lyapunov Exponents* (see its webpage at <https://toni.iseg.ulisboa.pt/lxds/workshop/>), also broadcasted via Zoom. The main topic of this event was the theory of Lyapunov exponents in their various manifestations in Dynamical Systems along with their applications to other areas of mathematics. The workshop was organized under the scope of the homonymous project (PTDC/MAT-PUR/29126/2017) funded by FCT. The poster and a couple of meeting photos go attached with this report. The event had around 30 in-person daily participants (mainly but not exclusively speakers and organizers) as well as around 10-15 daily online participants from different countries. The list of speakers below includes renowned experts in the field from 10 different nationalities and 8 different countries. All speakers and non local organizers stayed at Lisbon São Bento Hotel

with their accommodation expenses covered by FCT through the referenced project. The lunches took place at ISEG's rooftop and their expenses were partly covered by CMAT and FCT. The coffee-breaks and a working room for the participants were kindly offered by ISEG. Finally we are grateful for the support of CIM in sponsoring the workshop's proceedings which will be published in CIM Springer Series.

The event was a great scientific success, promoting new connections and interactions between speakers, organizers and the other participants. For the organizers it was extremely rewarding to see the joy of most participants gathering for their first in-person international event after two years of restrictions caused by the pandemic. Lisbon's good weather (São Pedro) also helped with the lunches, coffee-breaks and the conference dinner, which all took place in open air spaces, thus facilitating safe social interactions between participants.

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List of speakers

Pierre Berger

Institut de Mathématiques de Jussieu-Paris Rive Gauche

Jamerson Bezerra

Copernicus University in Toruń

Kristian Bjerklöv

KTH

Alex Blumenthal

Georgia Tech

David Burguet

Sorbonne Université

Ao Cai

PUC-Rio

Sylvain Crovisier

Université Paris-Saclay

Anton Gorodetski

UC Irvine

Anders Karlsson

Université de Genève

Victor Kleptsyn

Institut de Recherche Mathématique de Rennes

Santiago Martinchich

Université Paris-Saclay

Reza Mohammadpour

Uppsala University

Kiho Park

Korea Institute for Advanced Study

Mauricio Poletti

Universidade Federal do Ceará

Mark Pollicott

University of Warwick

Mira Shamis

Queen Mary University of London

Paulo Varandas

Universidade Federal da Bahia

Marcelo Viana

IMPA

The organizing committee

João Lopes Dias

ISEG, CEMAPRE

Pedro Duarte

FCUL, CMAFçIO

José Pedro Gaivão

ISEG, CEMAPRE

Silvius Klein

PUC-Rio de Janeiro

Telmo Peixe

ISEG, CEMAPRE

Jaqueline Siqueira

UFRJ-Rio de Janeiro

Maria Joana Torres

CMAT, UM

