

Workshop on Smooth and Homogeneous Dynamics

23 September - 4 October 2019
Bangalore, India



Further information:
<https://www.icts.res.in/program/etds2019>
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The Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste, Italy) in collaboration with the International Centre for Theoretical Sciences (ICTS, Bangalore, India) is organizing a Workshop on “Smooth and Homogeneous Dynamics” to be held at the International Centre for Theoretical Sciences in Bangalore, India from 23 September 2019 to 04 October 2019.

Description:

Ergodic theory and the related field of dynamical systems have flourished into extremely active subjects with connections to many parts of mathematics and the physical sciences. Progress has been especially rapid in the last few years in differentiable dynamics and homogeneous dynamics. Differentiable dynamics studies flows on smooth manifolds and has links with geometry while homogeneous dynamics is the study of subgroup actions on homogeneous spaces of Lie groups and has connections to number theory. It is the aim of this two week workshop to gather top experts in these two subjects to deliver minicourses and seminars on the state of the art in these subjects. The first week will be devoted to differentiable dynamics and the second week to homogeneous dynamics.

Special lectures:

Infosys-ICTS Ramanujan lecture - by Elon Lindenstrauss
ICTS Distinguished lecture - by Marcelo Viana

Directors:

Anish Ghosh (TIFR)
Stefano Luzzatto (ICTP)
Marcelo Viana (IMPA)

Speakers week 1:

Alex Blumenthal, Maryland
Aaron Brown, Chicago
Sylvain Crovisier, Paris Sud
Carlangelo Liverani, Rome
Federico Rodriguez-Hertz, Penn State
Jana Rodriguez-Hertz, Shenzhen
Dalia Terhesiu, Exeter
Sebastian van Strien, Imperial College
Marcelo Viana, IMPA
Khadim War, IMPA
Zhiyuan Zhang, Princeton

Speakers week 2:

Victor Beresnevich, University of York
S. G. Dani, University of Mumbai
Manfred Einsiedler, ETH Zurich
Alexander Gorodnik, University of Zurich
Seonhee Lim, Seoul National University
Elon Lindenstrauss, Hebrew University of Jerusalem
Jens Marklof, University of Bristol
Shahar Mozes, Hebrew University of Jerusalem
Amos Nevo, Technion, Haifa
Sanju Velani, University of York
Barak Weiss, Tel Aviv University

ICTP Scientific Contact:

STEFANO LUZZATTO, ICTP

How to apply:

Online application:
<https://www.icts.res.in/program/etds2019>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadline:

20 May 2019

