



BRIN MATHEMATICS  
RESEARCH CENTER

# Partial Hyperbolicity

May 8 - 12, 2023

## Speakers

Christian Bonatti, Universite de Bourgogne  
Aaron Brown, Northwestern University  
Sylvain Crovisier, Universite Paris-Saclay  
Lorenzo Diaz, Pontifical Catholic University of Rio de Janeiro, Brazil  
Andrei Gogolev, Ohio State University  
Boris Kalinin, Penn State University  
Cristina Lizana, Universidade Federal da Bahia, El Salvador  
Sheldon Newhouse, Michigan State University  
Davi Obata, University of Chicago  
Yakov Pesin, Penn State University  
Raphael Potrie, CMAT, Uruguay  
Ali Tahzibi, University of Sao Paolo  
Masato Tsujii, Kyushu University  
Kurt Vinhage, University of Utah  
Zhenqi Wang, Michigan State University  
Kadim War, IMPA, Brazil  
Disheng Xu, Great Bay University, China  
Jiagang Yang, IMPA, Brazil  
Zhiyuan Zhang, Universitat Paris 13

Header image provided by Amie Wilkinson



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## About The Workshop

Partial Hyperbolicity introduced about 50 years ago provides a powerful tool for studying high dimensional systems. In the recent year it found powerful applications to chaos theory, rigidity theory, geometry, and number theory.

The goal of the conference is to summarize the achievement of partial hyperbolicity theory and discuss open problems. The conference will also include a special session on the history of hyperbolic dynamics. This conference is a part of special program on partial hyperbolicity which will also include the school at the beginning of June. This workshop is a part of traditional Maryland-Penn State dynamics meetings which are held twice a year since 1991.

## Organizers

Dmitry Dolgopyat (Maryland)  
Federico Rodriguez Hertz (Penn State)  
Amie Wilkinson (Chicago)

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