



# Oberwolfach Seminars 2023

## Analysis of Automorphic Forms and L-Functions in Higher Rank

Organizers: Farrell Brumley, Paris  
Andre Reznikov, Ramat Gan  
Paul D. Nelson, Aarhus  
Akshay Venkatesh, Princeton  
Date (ID): 28 May – 3 June 2023 (2322a)  
Deadline: 24 March 2023

## Metric Algebraic Geometry

Organizers: Paul Breiding, Leipzig/Osnabrück  
Kathlen Kohn, Stockholm  
Bernd Sturmfels, Leipzig  
Date (ID): 28 May – 3 June 2023 (2322b)  
Deadline: 24 March 2023

## Recent Topics on the Navier-Stokes Equations

Organizers: Tristan Buckmaster, Princeton  
Hideo Kozono, Sendai  
Senjo Shimizu, Kyoto  
Date (ID): 22 – 28 October 2023 (2343a)  
Deadline: 29 July 2023

## Control of PDEs Models for Living Systems

Organizers: Sebastian Anita, Iasi  
Gabriela Marinoschi, Bucharest  
Gisèle Mophou, Pointe-à-Pitre  
Guadeloupe  
Marius Tucsnak, Talence  
Date (ID): 22 – 28 October 2023 (2343b)  
Deadline: 29 July 2023

## Scattering Resonances in Quantum Mechanics, General Relativity and Hyperbolic Dynamics

Organizers: Semyon Dyatlov, Cambridge MA  
Colin Guillarmou, Orsay  
Peter Hintz, Zürich  
Maciej Zworski, Berkeley  
Date (ID): 19 – 25 November 2023 (2347a)  
Deadline: 1 September 2023

## Variational and Information Flows in Machine Learning and Optimal Transport

Organizers: Wuchen Li, Columbia  
Bernhard Schmitzer, Göttingen  
Gabriele Steidl, Berlin  
Francois-Xavier Vialard, Paris  
Date (ID): 19 – 25 November 2023 (2347b)  
Deadline: 1 September 2023



## About

The Oberwolfach Seminars are organized by leading experts in the field, and address to promising Ph.D. students and excellent postdocs (with Ph.D. in the past 10 years) from all over the world. The aim is to introduce the participants to a particular interesting development. The seminars take place at the Mathematisches Forschungsinstitut Oberwolfach. The Institute covers board and lodging. By the support of the Carl Friedrich von Siemens Foundation, travel expenses can be reimbursed up to 150 EUR in average per person (against copies of travel receipts). The number of participants is restricted to 25.

**Applications including title, ID and date** of the intended seminar, together with **one pdf-file attached** containing

- full name, email, and university/institute address
- short CV and publication list
- present position, university
- name of supervisor of Ph.D. thesis
- a short summary of previous work and interest

should be **sent by e-mail** via **seminars@mfo.de** to:

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