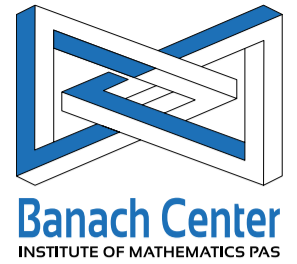


Mathematisches  
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Banach Center – Oberwolfach Graduate Seminar

# Black Holes and Conformal Infinities of Spacetime



Organizers: Maciej Dunajski, Cambridge UK  
Dejan Gajic, Leipzig  
Wojciech Kaminski, Warsaw  
Jerzy Lewandowski, Warsaw  
James Lucietti, Edinburgh  
Date (ID): 13 – 19 October 2024 (2442a)  
Deadline: 31 July 2024

The school is devoted to the mathematical aspects of two dynamically developing and important areas of the general theory of relativity: conformal infinities of space-time and black holes.

Courses and lectures:

- Conformal methods in general relativity
- Conformal geometry and the Fefferman–Graham construction
- Normal Conformal Cartan Connection and asymptotically (A)dS spacetimes
- Waves on black hole spacetimes
- Extreme black holes
- Non-trivial NUT horizons

Detailed information on the program is available at [www.mfo.de/occasion/2442a](http://www.mfo.de/occasion/2442a)

The seminar takes place at the Mathematical Research and Conference Center of the Institute of Mathematics of the Polish Academy of Sciences in Będlewo. Please see the website of the center where you can find basic informa-

tion (location, travel etc.): [www.impan.pl/en/activities/bedlewo-conference-center/about-center](http://www.impan.pl/en/activities/bedlewo-conference-center/about-center). Accommodation and meals are free for approved participants and there is no seminar fee. In general, travel expenses can not be reimbursed. The number of participants is restricted to about 30 persons.

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

- full name and university/institute address, incl. e-mail 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](mailto:seminars@mfo.de) until 31 July 2024 to:

Prof. Dr. Matthias Hieber  
Mathematisches Forschungsinstitut Oberwolfach  
Schwarzwaldstr. 9 – 11  
77709 Oberwolfach  
Germany

Practical questions (visa etc.) of approved applicants can be checked with the Banach Center via [office@impan.pl](mailto:office@impan.pl).