



SUMMER SCHOOL ON THE HISTORY OF SPACE IN MATHEMATICS AND PHYSICS

The Max Planck Institute for Mathematics in the Sciences in Leipzig organizes a Summer School on the History of Space in Mathematics and Physics. The School deals with the history of the notion of space and its uses in the sciences. It will address topics such as the development of the concept of space from the Renaissance to the modern age, the birth of the notion of a mathematical space, the Newton-Leibniz debate on the nature of space, Kant's theory of space and the foundations of physics, the further debates on non-Euclidean geometry and absolute space in the 19th century, the role of space in relativity theory and the epistemological discussions in the 1920s and 1930s, space in quantum mechanics, and some contemporary perspectives on cosmology and astrophysics. The School is open to PhD students writing a dissertation in any of the related field, as well as to Master students in their final years who have a strong interest in the discipline, and post-doctoral researchers who obtained their PhD at most five years ago and whose main field of research are the theory and history of space (in mathematics, physics, philosophy).

The School will take place in Leipzig from Monday, the 24th of July, to Saturday, the 29th of July, 2023. The six days of the School are dedicated to an intensive series of lectures and discussions on various aspects of the history of the notion of space, given by leading experts in the field.

SPEAKERS

Vincenzo De Risi
Laboratoire SPHère / MPIWG

Brigitte Falkenburg
TU Dortmund

Jürgen Jost
MPI MiS

Claus Kiefer
University of Cologne

David Marshall Miller
Auburn University

Thomas Ryckman
Stanford University

Jeffrey Weeks
Geometry Games

SCIENTIFIC ORGANIZERS

Vincenzo De Risi
Laboratoire SPHère / MPIWG

Jürgen Jost
MPI MiS

JULY 24 – 29, 2023

**MAX PLANCK INSTITUTE
FOR MATHEMATICS IN THE SCIENCES**

Leibniz lecture hall (E1 05)

Inselstraße 22, 04103 Leipzig

Administrative contact:

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Application Deadline on March 27, 2023.

FURTHER INFORMATION &
ONLINE REGISTRATION VIA
www.mis.mpg.de/space2023