


# WE-HERAEUS SUMMER SCHOOL

# Exact Methods: From Lattice Models to String Theory

**16-28 AUGUST 2027 | IESC CARGESE, CORSICA, FRANCE**

The school is primarily aimed at early-career researchers, including PhD students and postdoctoral researchers in theoretical and mathematical physics. Advanced Master's students with relevant backgrounds are also warmly encouraged to apply. The program features lectures, expert talks, and tutorials, offering participants the opportunity to explore current research developments and gain insights into the methods and techniques used in the field. In addition, all participants will have the opportunity to present their own research through a gong show and a poster session. These activities are designed to foster scientific exchange, stimulate discussions, and encourage interaction among participants and experts in the field.

## LECTURE PROGRAMME & TOPICS

**From Lattice to Field Theory**
Yifei He (LPENS) & Hubert Saleur (USC)

**Correlation Functions**
Veronique Terras (Paris-Saclay) & Zoltan Bajnok (Wigner)

**Integrability in AdS/CFT**
Charlotte Kristjansen (NBI) & Konstantin Zarembo (KTH)

**Low-Dimensional Holography & Strings**
Fiona Seibold (EPFL) & Lorenz Eberhardt (U. Amsterdam)

**Rigorous Approaches via Randomness**
Eveliina Peltola (Aalto) & Colin Guillarmou (CNRS, Paris-Saclay)

**Expert Talks linking between the Topics**
See below for full list

## INVITED SPEAKERS FOR EXPERT TALKS

**Benjamin Basso**
LPENS, ENS Paris

**Andrea Dei**
Univ. of Chicago

**Nikolay Gromov**
King's College London

**Jesper Jacobsen**
ENS Paris

**Gleb Kotousov**
Leibniz University Hannover

**Jules Lamers**
Univ. of Glasgow

**Ana Retore**
DESY Germany

**Ingo Runkel**
Univ. Hamburg

**Jörg Teschner**
DESY & University Hamburg

**Simon Caron-Huot**
McGill University

**Lance Dixon**
SLAC / Stanford University

**Frank Göhmann**
Bergische Universität Wuppertal

**Gregory Korchemsky**
IPhT Saclay

**Sylvain Lacroix**
LPTHE Paris

**Elli Pomoni**
DESY Hamburg

**Sylvain Ribault**
IPhT Saclay

**Xin Sun**
BICMR, Peking University

## COMMITTEES & BOARD

### Organizers

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## REGISTRATION & FURTHER INFORMATION

You can register and find more information on the Conference Website. The participation fee is 500 EUR. This already includes the accommodation for the whole duration and half pension (breakfast, lunch, coffee breaks). Please note, that we have further funds to support a limit number of individual participants. To apply fill in the application form during the registration process. Participants are also given the opportunity to present a poster. Please submit a brief abstract on the conference website.

SCAN TO REGISTER

WILHELM UND ELSE HERAEUS-STIFTUNG

FONDATION MATHÉMATIQUE JACQUES HADAMARD

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