



From  
**09**  
JAN.  
2023  
to  
**17**  
FEB.  
2023

08h30  
-  
20h30

## **2023-T1A QUANTUM GRAVITY, RANDOM GEOMETRY AND HOLOGRAPHY**

### **Quantum gravity, random geometry and holography, Paris**

IHP  
Amphitheater Darboux  
11, Rue Pierre et Marie Curie  
75005 Paris

### **Thematic six-weeks program at Institut Henri Poincaré, Paris.**

**January 09th - February 17th, 2023.**

The scope of the program is to bring together researchers who are working on quantum gravity from various perspectives and approaches, with an emphasis on the random geometry point of view and on more recent holographic developments. The main goal is to intensify the fruitful interactions between the researchers in these and related communities in order to make significant progress on the outstanding problems in quantum gravity.

### **Program :**

URL of the page: <https://www.ihp.fr/en/events/quantum-gravity-random-geometry-and-holography-paris>

The thematic six-weeks program will include two workshops (weeks 2 and 5), introductory lectures (weeks 1 and 4), two general public lectures (to be announced), and more (informal gatherings and seminars).

### **Workshops:**

**Week 2** (January 16-20, 2023): Quantum Gravity and Random Geometry

**Week 5** (February 6-10, 2023): Tensor Models and Holography

### **Introductory lectures:**

**Week 1** (January 9-13, 2023): lectures by Jan Ambjorn, Florian Girelli, and Simone Speziale.

**Week 4** (January 30 to February 3, 2023): lectures by Robert de Mello Koch and Razvan Gurau.

### **Public lectures:**

To be announced...

### **Organizing committee :**

John Barrett (University of Nottingham)

Dario Benedetti (CNRS, École Polytechnique)

Joseph Ben Geloun (Université Sorbonne Paris Nord)

Renate Loll (Radboud University Nijmegen)



## **INSTITUT HENRI POINCARÉ**

Sorbonne Université / CNRS  
11 rue Pierre et Marie Curie  
75231 Paris Cedex 05

### **TIMETABLE**

The institute:

- Monday to Friday from 8:30am to 6pm,
- closed on public holidays.

The museum - Maison Poincaré :

- Monday, Tuesday, Thursday and Friday from 9:30am to 5:30pm,
- Saturday from 10am to 6pm,
- closed on Wednesday and Sunday.