

## “Random geometry and its connections to QFT”

May 19 - 23, 2025

organized by

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*Time measurement: CEST*

- **Monday, May 19**

08:30 - 09:00	<i>Arrival and Self-Registration</i>
09:00 - 09:05	<i>Welcome by HIM Director Karl-Theodor Sturm</i>
09:20 - 10:20	<b>Fredrik Viklund</b> <i>Free energy of confined planar Coulomb gases</i>
10:20 - 11:00	<i>Coffee break</i>
11:00 - 12:00	<b>Yilin Wang</b> <i>Brownian loop measure on Riemann surfaces and length spectra</i>
12:00 - 15:00	<i>Lunch break</i>
15:00 - 16:00	<b>Shirshendu Ganguly</b> <i>Critical last passage percolation</i>
from 16:00 on	<i>Get-Together</i>

• **Tuesday, May 20**

09:20 - 10:20	<b>Ofer Zeitouni</b> <i>Extremes for the two dimensional Liouville model</i>
10:20 - 11:00	<i>Group Photo and Coffee break</i>
11:00 - 12:00	<b>Oren Louidor</b> <i>Gaussian Free Field on the Tree Subject to a Hard Wall</i>
12:00 - 15:00	<i>Lunch break</i>
15:00 - 16:00	<b>Marek Biskup</b> <i>Phase diagram and extremal properties of the hierarchical integer-valued GFF</i>
16:00 - 16:30	<i>Coffee break</i>

• **Wednesday, May 21**

09:20 - 10:20	<b>Ajay Chandra</b> <i>Stochastic quantization beyond bosons</i>
10:20 - 11:00	<i>Coffee break</i>
11:00 - 12:00	<b>Hao Shen</b> <i>Makeenko-Migdal equations for 2D Yang-Mills: from lattice to continuum</i>
12:00 - 15:00	<i>Lunch break</i>
15:00 - 16:00	<b>Free Afternoon</b>
16:00 - 16:30	<i>Coffee break</i>

• **Thursday, May 22**

09:20 - 10:20	<b>Antoine Jego/Guillaume Baverez</b> <i>Integration by parts in random conformal geometry and applications</i>
10:20 - 11:00	<i>Coffee break</i>
11:00 - 12:00	<b>Antoine Jego/Guillaume Baverez</b> <i>Integration by parts in random conformal geometry and applications</i>
12:00 - 15:00	<i>Lunch break</i>
15:00 - 16:00	<b>Nathanaël Berestycki</b> <i>Massive holomorphicity in the near-critical dimer model</i>
16:00 - 16:30	<i>Coffee break</i>

• **Friday, May 23**

09:20 - 10:20	<b>Semyon Klevtsov</b> <i>Quantum hall states on hyperbolic surfaces</i>
10:20 - 11:00	<i>Coffee break</i>
11:00 - 12:00	<b>Léonie Papon</b> <i>On the scaling limit of interfaces in the critical planar Ising model perturbed by a (random or not) magnetic field</i>
12:00 - 15:00	<i>Lunch break</i>
15:00 - 16:00	<b>Avelio Sepúlveda</b> <i>Excursion decompositions in statistical physics</i>
16:00 - 16:30	<i>Coffee break</i>