
Workshop
**“Integrable QFT: conformal bootstrap, bosonization, near-critical
perturbations, and Coulomb gas”**

June 23 -27, 2025

organized by
Roland Bauerschmidt, Eveliina Peltola, Ellen Powell, Rémi Rhodes, Eero Saksman

Time measurement: CEST

• **Monday, June 23**

08:30 - 09:15	<i>Arrival and Self-Registration</i>
09:15 - 09:20	<i>Welcome by HIM Director Karl-Theodor Sturm</i>
09:20 - 10:20	Kalle Kytölä <i>Local fields in lattice models and conformal field theories</i>
10:20 - 11:00	<i>Coffee break</i>
11:00 - 12:00	Hao Wu <i>Commutation relation and BPZ equations</i>
12:00 - 15:00	<i>Lunch break</i>
15:00 - 16:00	Tom Albers <i>Dubedat Screening and Level Two Non-Degeneracy</i>
from 16:00 on	<i>Get-Together</i>

• **Tuesday, June 24**

09:20 - 10:20	Alessandro Giuliani <i>Anomalous exponents and scaling operators in a 3D fermionic ϕ^4 theory</i>
10:20 - 11:00	<i>Group Photo and Coffee break</i>
11:00 - 12:00	Masha Gordina <i>Fermionic stochastic analysis</i>
12:00 - 15:00	<i>Lunch break</i>
15:00 - 16:00	Wei Wu <i>Massless phases for the Villain model in $d \geq 3$</i>
16:00 - 16:30	<i>Coffee break</i>

• **Wednesday, June 25**

09:20 - 10:20	Xin Sun <i>Application of Liouville Quantum Gravity to 2D Percolation</i>
10:20 - 11:00	<i>Coffee break</i>
11:00 - 12:00	Colin Guillarmou <i>Probabilistic construction of H^3 Wess-Zumino-Witten CFT</i>
12:00 - 15:00	<i>Lunch break</i>
15:00-16:00	Free Afternoon
16:00 - 16:30	<i>Coffee break</i>

• **Thursday, June 26**

09:20 - 10:20	Yi-Zhi Huang <i>The representation theory of vertex operator algebras, conformal bootstrap and Segal's axioms</i>
10:20 - 11:00	<i>Coffee break</i>
11:00 - 12:00	Nikolai Barashkov <i>Small deviations of Gaussian multiplicative chaos and the free energy of the two-dimensional massless Sinh-Gordon model</i>
12:00 - 15:00	<i>Lunch break</i>
15:00 - 16:00	Eric Schippers <i>A geometric interpretation of the Grunsky operator</i>
16:00 - 16:30	<i>Coffee break</i>

• **Friday, June 27**

09:20 - 10:20	André Henriques <i>The functorial formalism for chiral 2d CFT: definition, and methods for constructing examples</i>
10:20 - 11:00	<i>Coffee break</i>
11:00 - 12:00	Ilya Losev <i>Probabilistic Schwarzian Field Theory</i>
12:00 - 15:00	<i>Lunch break</i>
15:00 - 16:00	Babtiste Cercle <i>Towards solvability of Toda Conformal Field Theories</i>
16:00 - 16:30	<i>Coffee break</i>