



Institut für Mathematik

# Seminar zur Stochastik

Dienstag, 4. Februar 2025

14 Uhr s.t.

SR 121, Carl-Zeiß-Str. 3

**Dr. Eva Kopfer**

(Universität Bonn)

## ***“Conformally Invariant Random Geometry on Manifolds of Even Dimension”***

**Abstract:** We present a concise introduction to conformally invariant, log-correlated Gaussian random fields on compact Riemannian manifolds of general even dimension. The field is defined through its covariance kernel given by the inverse of the Graham-Jenne-Mason-Sparling (GJMS) operator. We construct the corresponding Gaussian Multiplicative Chaos, which is a generalization to the  $n$ -dimensional case of the celebrated Liouville Quantum Gravity measure in dimension two.

**Alle Interessierte sind herzlich eingeladen!**

**Kontakt:**

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