

Introductory School
“Stochastic Analysis, Statistics, and Computation on Manifolds and
Singular Spaces”

October 12 - 16, 2026

organized by
Karen Habermann, Yvo Pokern

Time measurement: CEST

• **Monday, October 12**

08:30 - 09:00	<i>Arrival and Registration</i>
09:00 - 09:05	<i>Welcome by HIM Director Stefan Müller (TBD)</i>
09:05 - 10:05	Anja Sturm <i>Approximating Brownian motion on manifolds efficiently using retractions</i>
10:05 - 10:30	<i>Coffee break</i>
10:30 - 11:30	Yuga Iguchi <i>Parametric inference for hypoelliptic diffusions: Degenerate structure and approximate likelihoods</i>
11:30 - 12:00	Presentation of open problems
12:00 - 14:00	<i>Lunch break</i>
14:00 - 15:00	Radomyra Shevchenko <i>Geometric functionals of Gaussian fields</i>
15:00 - 15:30	<i>Coffee break</i>
15:30 - 16:30	Workshop session
afterwards	<i>Get-Together</i>

- **Tuesday, October 13**

09:00 - 10:00	Naotaka Kajino <i>Analysis of Laplacians and diffusions on fractals</i>
10:00 - 10:30	<i>Group Photo and Coffee break</i>
10:30 - 11:30	Kevine Toukam <i>Dynamical optimal transport with $so(d)$-invariance: from theory to computation</i>
11:30 - 12:30	Workshop session
12:30 - 14:00	<i>Lunch break</i>
14:00 - 15:00	Frank van der Meulen <i>Conditioning diffusions on a terminal bearing</i>
15:00 - 15:30	<i>Coffee break</i>
15:30 - 16:30	Workshop session

- **Wednesday, October 14**

09:00 - 10:00	Alexander Lewis <i>TBC</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 12:30	Workshop session
12:30 - 14:00	<i>Lunch break</i>
14:00 - 15:00	Marcelo Hartmann <i>A class of tractable wrapped Gaussians for posterior approximations on statistical manifolds</i>
15:00 - 15:30	<i>Coffee break</i>
15:30 - 16:30	Workshop session

- **Thursday, October 15**

09:00 - 10:00	Fabrice Baudoin <i>Moment Estimates and Intermittency for the Stochastic Heat Equation on the Sierpinski Gasket</i>
10:00 - 10:30	<i>Coffee break</i>
10:30 - 12:30	Workshop session
12:30 - 14:00	<i>Lunch break</i>
14:30 - 17:00	Return Boat Cruise to Königswinter <i>BFF</i>
from 18:30	Conference dinner at Café Spitz <i>Sternstorbrücke 10, 53111 Bonn</i>

- **Friday, October 16**

09:00 - 10:00	Presentation from workshop sessions
10:00 - 10:30	<i>Coffee break</i>
10:30 - 12:30	Presentation from workshop sessions & Closing
12:30 - 14:00	<i>Lunch break</i>