

**Oberseminar Analysis und Geometrie im WS 23/24**

**Dienstag, 14:00–15:40 Uhr in E2.304**

**Vortragsliste**

- 10.10.2023 Introduction to infinite-dimensional Lie groups, I (Glöckner)
- 17.10.2023 Introduction to infinite-dimensional Lie groups, II (Glöckner)
- 24.10.2023 Introduction to infinite-dimensional Lie groups, III (Glöckner)
- 31.10.2023 Flows, diffeomorphism groups, and regularity (Glöckner)
- 07.11.2023 Groups of diffeomorphisms and geometric hydrodynamics I (Suri)
- 14.11.2023 Groups of diffeomorphisms and geometric hydrodynamics II (Suri)
- 21.11.2023 Groups of diffeomorphisms and geometric hydrodynamics III (Suri)
- 28.11.2023 Calculus on Silva spaces, I (Glöckner)
- 05.12.2023 Calculus on Silva spaces, II (Glöckner)
- 12.12.2023 Hypocontinuous bilinear mappings (Glöckner)
- 19.12.2023 Calculus in Fréchet spaces and convenient differential calculus (Glöckner)
- 09.01.2024 Lie algebra cohomology (Rahangdale)
- 16.01.2024 On unitary positive energy representations of some infinite-dimensional Lie groups I (Niestijl)
- 23.01.2024 On unitary positive energy representations of some infinite-dimensional Lie groups II (Niestijl)
- 30.01.2024 Manifolds of  $\mathcal{F}$ -maps on compact manifolds (Pinaud)