



# Master Class 2026

## Differential Geometry and General Relativity



Stockholm • May 18–22, 2026

Welcome to Stockholm in May!

The master class will take place during one week and consist of **three mini-courses** with the goal of taking the audience to the frontiers of development in some active and fascinating research areas in **Riemannian geometry** and **mathematical general relativity**.

### Mini-courses

- **Lars Andersson** (University of Potsdam): *Gravitational instantons, history and recent developments.*
- **Christian Bär** (University of Potsdam): *Scalar curvature and the Dirac operator.*
- **András Vasy** (Stanford University): *The black hole stability problem: microlocal analysis and general relativity.*

### Who?

We are happy to welcome all interested researchers, with particular emphasis on PhD students and postdocs.

### When?

May 18-22, 2026.

The master class is organized jointly by **KTH Royal Institute of Technology** and **Stockholm University**.

**Organizers:** Mattias Dahl (KTH) | Klaus Kröncke (KTH) | Oliver Petersen (Stockholm University)

**Webpage:** <https://www.math-stockholm.se/en/konferenser/master-class-2026-differential-geometry-and-general-relativity-1.1438873>

