

# Representations of Supergroups

**Organizers:**

Thorsten Heidersdorf (Newcastle University), Catharina Stroppel (University of Bonn)

**Venue:** Lipschitz lecture hall · Mathematics Center · Endenicher Allee 60 · 53115 Bonn

First motivated by questions in mathematical physics, algebraic supergroups and Lie superalgebras have now become of central interest in pure mathematics with connections to many other fields such as algebraic geometry and even analytic number theory. The representation theory of supergroups and connected algebraic structures such as super vertex operator algebras or quantum supergroups has seen a lot of progress over the last decades. The workshop will bring together researchers, new and established, to discuss exciting topics at the forefront of these areas.

**Speakers:**

- Jon Brundan (University of Oregon)
- Shun-Jen Cheng (Academia Sinica)
- Kevin Coulembier (University of Sydney)
- Maria Gorelik (Weizmann Institute)
- Victor Kac (MIT)
- Jonathan Kujawa (University of Oklahoma)
- Jae-Hoon Kwon (Seoul National University)
- Andrew Manion (NC State University)
- Ian Musson (University of Wisconsin-Milwaukee)
- Jonas Nehme (University of Bonn)
- Shifra Reif (Bar-Ilan University)
- Lev Rozansky (University of Chapel-Hill)
- Siddharta Sahi (Rutgers University)
- Hadi Salmasian (University of Ottawa)
- Vera Serganova (University of California, Berkeley)
- Alexander Sherman (University of Sydney)



**Call for participation:** Participation is free. If you are interested in participating, please fill out the application form: <https://www.hcm.uni-bonn.de/events/eventpages/2024/workshop-representations-of-supergroups/application/>. Successful applicants are selected based on research background. Participants are welcome to join at their own cost.

The deadline for applications to participate in the workshop is February 23, 2024 (CET).