

1 About the IRTG

SFB-TRR 195 is a collaborative research centre (Sonderforschungsbereich), uniting researchers from five core areas in the development of the computer algebra system OSCAR. These are *group and representation theory, algebraic geometry and commutative algebra, tropical and polyhedral geometry, non-commutative structures, and number theory*.

Projects within the framework of TRR 195 are supervised by researchers from Aachen (RWTH), Kaiserslautern (RPTU), and Saarbrücken (UdS), with additional collaboration from Berlin, Darmstadt, Siegen, Stuttgart, and Tübingen.

The IRTG (integrated research training group) is the associated graduate school for PhD students. Summer schools, block seminars and opportunities for scientific networking are provided. This onboarding protocol is intended to aid newcomers with their first steps. The most crucial contacts for almost everything are:

Michael Kunte (General Manager, RPTU)

michael.kunte@math.rptu.de

Barbara Ermisch (Secretary, RPTU)

barbara.ermisch@math.rptu.de

Gabriele Nebe (IRTG Senior Speaker, RWTH)

nebe@math.rwth.aachen.de

Moritz Weber (IRTG Senior Speaker, UdS)

weber@math.uni-sb.de

The three main locations Aachen, Kaiserslautern, and Saarbrücken have dedicated IRTG junior speakers elected every year. These spokespersons assist you with organisational matters related to the IRTG and directly communicate your needs and wishes to the respective committees.

Marco Albert

Local Representative, RPTU

Friedrich Günther

Local Representative, UdS

Michael Schlößer

Local Representative, RWTH

2 What You Need to Do

The following checklist may guide you through the first things to do to join the IRTG. Note that registration as a PhD student at your local university is distinct from the IRTG onboarding process and has to be done separately.

In your first months

- ☐ write an email to trr195-irtg-registration@lists.rptu.de to start onboarding
- ☐ fill out the PhD agreement with IRTG of the SFB together with your supervisor
- ☐ register for our mailing lists to stay informed and connected, see below
- ☐ participate in the IRTG seminar, introduce yourself and your PhD topic

Later on

- ☐ informally discuss the state of your PhD project with your supervisor after 11 months
- ☐ fill out the annual DFG statistical survey sent to you in September
- ☐ annually report on the progress you have made by filling out the respective form
- ☐ complete your final DFG report (after graduating)

3 Most Relevant Information

IRTG General information can be found on the [IRTG information page](#). Newsletters and updates on current events are also distributed via the [mailing list for IRTG students](#). [Previous newsletter editions](#) are available on GitHub. In addition to official channels, a [group chat on Signal](#) is maintained by fellow IRTG members.

SFB-TRR 195 Upcoming events and opportunities are communicated on the main website computeralgebra.de and via the mailing list for [members and associates of the SFB](#).

Information about the ongoing work of our [Gender Equality & Diversity \(GED\) Committee](#) can be found on the respective webpage. There also is a [mailing list for GED topics](#).

On the designated [OSCAR website](#), you find all sorts of information around our computer algebra system.

The SFB is funded by the DFG, the German Research Foundation, until 2028. The [official project description](#) can be found on the DFG website.

The SFB has to be cited in all your publications—including journal articles and your PhD thesis. You may use the following phrase to do so: “This work is supported by the DFG project ID [286237555](#).” respectively “This work is a contribution to the DFG project ID [286237555](#).” (if position not (half-)financed by SFB-TRR 195).

Congrats! You have made it to the end of the protocol. We hope you are having a good start and look forward to meet you at one of our events soon. Finally note that you can use this QR-Code to access a plain text list of the links provided in this document.

