

Welcome to the CRC 1245 Integrated Research Training Group (MGK)!

The Integrated Research Training Group (MGK) provides an enhanced, innovative, and international environment for the young researchers of the CRC 1245. Within the MGK, a series of activities is organized in order to foster networking and encourage scientific exchange among doctoral candidates in the CRC.



- **CRC SEMINAR:** Each doctoral researcher is expected to participate regularly and give a mid-term seminar (after 18 months) and an end-term seminar (within 6 months before thesis defense). The mid-term seminar is a general and high-level talk about the physics context of the doctoral project, while the end-term seminar is dedicated to present the final results of the doctoral project.
- **MEET & GREET:** This is an event fostering the exchange between young scientists and the CRC PIs in an informal atmosphere. Each event is devoted to one of the subprojects, which is introduced by a PI. From the third funding period, this format allows the doctoral researchers also to meet alumni of the CRC working outside academia, as a further career orientation opportunity.
- **TOPICAL LECTURE WEEKS:** The Topical Lecture Weeks are given by outstanding guest scientists and connect the fundamental knowledge presented in the regular lecture courses to the forefront of research where the doctoral research takes place. There are two lecture weeks per year, one with an emphasis on theory and one focused on experiment.
- **MINI-WORKSHOPS ORGANIZED BY JUNIOR RESEARCHERS** (from the third funding period): The doctoral researchers have the unique opportunity to organize a workshop according to their personal fields of interest. The workshop can take any format, such as lectures, poster sessions, exercises, or team-building activities during a retreat. It is optional to include PIs. The junior researchers are expected to propose ideas for invited guests and topics, which will be discussed and a proposal selected. The group with the winning idea will have the primary responsibility for organizing the mini-workshop and the decision-making process will be supported and guided by the MGK spokespersons and relevant PIs.

In addition to this, key measures are implemented to promote junior scientists:

- **PHD COMMITTEE MEETING:** The PhD committee meeting is composed by the doctoral researcher, the supervisor and a mentor chosen among the CRC PIs or externally. Including an additional external mentor is optional. The meeting takes place every 6 months to discuss the status of the project and future plans, following the points on the form available at [this link](#).



A supervision agreement is available for doctoral researchers who may choose to sign it with their supervisors, outlining the respective duties and responsibilities of both parties. A template for the supervision agreement can be found at the same link as before.

- **INTERNSHIPS:** Doctoral researchers are given the opportunity to do research internships of about 3 months duration in external collaborating groups on the CRC projects. More information on how to apply is given at [this link](#).



Moreover, the doctoral researchers of the CRC have the opportunity to take courses for professional skills provided by the TU Darmstadt Center for Early-Stage Researchers “Ingenium” and also to participate in selected topics of the graduate school HGS-HiRe.

Communications and updates regarding MGK activities are provided via the **sfb1245-mgk**, **sfb1245-alle**, and **sfb1245-women** mailing lists. If you have not subscribed to them yet, you can contact Stephanie Müller (stephanie.mueller@physik.tu-darmstadt.de).

More information about the MGK is given on the CRC 1245 website at [this link](#). If you have questions, comments or suggestions don't hesitate to contact your MGK spokespersons Finia Jost (finia.jost@tu-darmstadt.de) and Maike Beuschlein (mbeuschlein@ikp.tu-darmstadt.de).

