



institute for pure & applied mathematics

GRIPS-BERLIN

Graduate-Level Research in Industrial Projects for Students

JUNE 23 - AUGUST 15, 2025

Overview

Graduate-Level Research in Industrial Projects for Students (GRIPS)-Berlin will offer graduate students in mathematics and related disciplines the opportunity to work on industry-sponsored research problems. Six students from the U.S. and six from Europe will work on cross-cultural teams on three research problems designed by the industrial sponsor. The projects will be of serious interest to the sponsor and will offer a stimulating challenge to students; most will involve both analytic and computational work. At the end of the program, the teams will present the results of their work and prepare a final report. English is the only language required for participation.

Partner

IPAM's partner in Berlin is the Research Campus MODAL (Mathematical Optimization and Data Analysis Laboratories), which promotes exchange and collaboration between public institutions and private (industrial) partners. The current academic partners of MODAL are the Free University of Berlin (FU Berlin) and the Konrad-Zuse Zentrum für Informationstechnik Berlin (ZIB).

Sponsors

Industry sponsors have included 1000Shapes (Biotechnology), Cray, and LBW. Details about the 2025 GRIPS-Berlin sponsors will be announced at a later time.

Benefits

Round-trip travel to Berlin and accommodations in Berlin are included. Students will also receive a meal allowance and a stipend for their full participation. (These terms apply to U.S. participants recruited by IPAM.)

Application

Eligible applicants include graduate students in math or a related discipline, with a preference given to students in their second or third year of a PhD program in math or a related discipline. **IPAM will only accept applications from U.S. citizens and permanent residents;** German students are encouraged to contact MODAL for information and an application. The application will open in January. The deadline to apply is **February 23, 2025**.



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