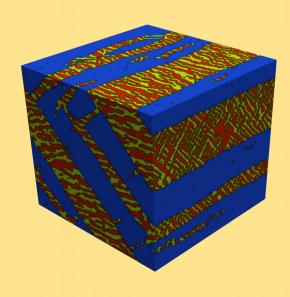
hausdorff center for mathematics



Special Topic School

February 23 - 27, 2026



Modern Methods in the Calculus of Variations

Organizers:

Alice Marveggio (University of Bonn), Antonio Tribuzio (University of Bonn), Konstantinos Zemas (University of Bonn)

Venue: Lipschitz Lecture Hall · Mathematics Center · Endenicher Allee 60 · 53115 Bonn

In the last years, the variational study of materials has drawn upon new advancements in important mathematical approaches and techniques, including for instance peridynamics, Young measures, or discrete-to-continuum analysis. These advanced methods are considered by now fundamental in the Calculus of Variations applied to materials, but still constitute a very active field of research.

The aim of this school is to bring together experts in the field to provide PhD students and early-career researchers with an introduction to the most modern techniques in the variational study of materials. In addition to the mini-courses and research talks, there will be time for interesting discussions, as well as the opportunity for participants to present their own posters!

Lecture Series by:

- Andrea Braides (Università di Roma Tor Vergata)
- Irene Fonseca (Carnegie Mellon University)
- Carolin Kreisbeck (KU Eichstätt-Ingolstadt)
- Xavier Lamy (Université de Toulouse)

Additional talks by:

- André Guerra (University of Cambridge)
- Leonard Kreutz (TU München)
- Theresa Simon (Universität Münster)
- Anna Skorobogatova (ETH Zürich)



Call for participation: Participation is free. If you are interested in participating, please fill out the application form at the following link: https://math-events.uni-bonn.de/event/573/. Successful applicants are selected based on research background. To be considered, please submit a CV and research overview. To encourage the participation of researchers facing increased financial burden, such as many researchers from developing countries, a small number of funded places are available (including support for travel and/or accommodation). You can indicate in the application form, for which type of financial support you would like to be considered. Additional participants are welcome to join at their own cost.

The deadline for applications to participate in the school is November 15, 2025 (CET).