Hausdorff School for Advanced Studies in Mathematics

The Hausdorff School for Advanced Studies in Mathematics is a new innovative training program for postdoctoral researchers based in Germany and worldwide. It combines summer and winter schools, international workshops, seminars on soft skills, and a mentoring program for academic teaching to support the development of young researchers. It builds a bridge between the systematic education of PhD students and the appointment to a professorship or a successful career outside academia. The application is open to all postdocs worldwide.

WINTER SCHOOL

- **January 7 – 11, 2019**
  Interfaces in geometry and fluids
  *Winter School for the Trimester Program “Evolution of interfaces”*
  
  **Organizers:** Emanuele Spadaro (Leipzig), László Székelyhidi (Leipzig), Georg Weiss (Duisburg/Essen)
  
  **Lecturers:** Camillo De Lellis (Zurich/Princeton), Daniel Faraco (Madrid), Felix Otto (Leipzig), Yoshihiro Tonegawa (Tokyo)

SUMMER SCHOOLS

- **May 2019**
  Kinetic theory
  *Summer School for the Junior Trimester Program “Kinetic theory”*

- **September 9 – 13, 2019**
  The Emerton-Gee stack and related topics
  *Summer School for the Junior Trimester Program “Randomness, PDEs and nonlinear fluctuations”*
  
  **Organizers:** Johannes Anschütz (Bonn), Arthur-César Le Bras (Bonn), Andreas Mihatsch (Bonn)
  
  **Lecturers:** Matthew Emerton (Chicago), Toby Gee (Imperial College), Bao Le Hung (Northwestern University)

- **September 16 – 20, 2019**
  Stability conditions in representation theory
  *Summer School for the Junior Trimester Program “Randomness, PDEs and nonlinear fluctuations”*
  
  **Organizers:** Gustavo Jasso (Bonn), Jan Schröer (Bonn)
  
  **Lecturers:** Dylan Allegretti (Sheffield), Thomas Brüstle (Sherbrooke), Alastair King (Bath), Markus Reineke (Bochum), Sarah Scherotzke (Münster)

September 23 – 27, 2019
Modeling and analysis of evolutionary problems in materials science

**Organizers:** Marco Bonacini (Bonn), Sebastian Schwarzacher (Bonn), Juan J.L. Velázquez (Bonn)

**Lecturers:** Sunčica Čanić (Houston), Alexander Mielke (Berlin), Mark Peletier (Eindhoven)

FURTHER EVENT

- **March 18 – 20, 2019**
  Young women in optimization
  *Summer School for the Junior Trimester Program “Randomness, PDEs and nonlinear fluctuations”*

**Organizers:** Luise Blank (Regensburg), Barbara Kallernbacher (Klagenfurt), Ira Neitzel (Bonn), Andrea Walther (Paderborn)

**Lecturers:** Tanja Clees (Sankt Augustin), Pia Domschke (Darmstadt), Mirjam Dür (Augsburg), Simone Göttlich (Mannheim), Dörte Jando (Heidelberg), Sandra May (Dortmund), Angelika Wiegele (Klagenfurt), Katrin Witting (Paderborn)

These events will be open to postdocs from all over the world. For each event, the Hausdorff Center offers support for external participants to contribute to the travel and accommodation costs. Applications including CV, motivation letter and a short recommendation from the advisor or mentor should be submitted via the online registration form at: [www.hcm.uni-bonn.de/events](http://www.hcm.uni-bonn.de/events) at least one month before the respective event will start. Regardless of financial support, online registration is required.