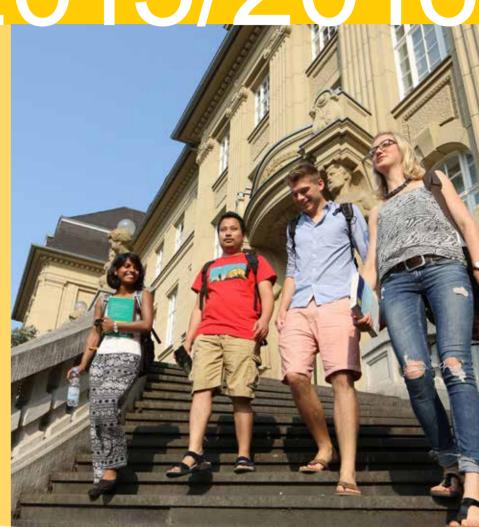
hausdorff center for mathematics



ACADEMIC YEAR 2015/201

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 SCHOOLS

Januar 11 – 15, 2016

Advances in Mathematics of Signal Processing

Introductory School for Trimester Program

SUMMER SCHOOLS

April 18 – 22, 2016

Low-rank Tensor Techniques in Numerical Analysis and Optimization

Organizer: André Uschmajew (Bonn)

"Mathematics of Signal Processing

Organizers: Massimo Fornasier (*Munich*), Mauro Maggioni (*Durham*), Holger Rauhut (Aachen), Thomas Strohmer (Davis) Lecturers: Francis Bach (Paris), Simon Foucart (College Station), Karlheinz Gröchenig (Vienna), Jean-Luc Starck (Saclay), Stephen Wright (Madison)

Januar 25 – 29, 2016

Arithmetic Groups, their Cohomology, and Arithmetic Applications

Organizers: Günter Harder (Bonn), Christian Kaiser (Bonn) Lecturers: Günter Harder (Bonn), Eugen Hellmann (Bonn), Christian Kaiser (Bonn), Peter Scholze (Bonn), Joachim Schwermer (Vienna)

March 29 – April 2, 2016

Derived Categories: Dimensions, Stability Conditions, and Enhancements

Organizers: Daniel Bergh (Stockholm), Olaf Schnürer (Bonn) Lecturers: Arend Bayer (Edinburgh), Amnon Neeman (Canberra), Paolo Stellari (Milan)

Lecturers: Lars Grasedyck (Aachen), André Uschmajew (Bonn), Bart Vandereycken (Geneva)

May 9 – 13, 2016

Economics and Tropical Geometry

Organizers: Ngoc Tran (Bonn), Josephine Yu (Atlanta) Lecturers: Elizabeth Baldwin (London), Michael Joswig, (Berlin), Kazuo Murota (Tokyo), John Weymark (Nashville), Yoshinori Shiozawa

May 17 – 25, 2016

Von Neumann Algebras: Deformation/Rigidity, free Probability, and Subfactors

Introductory School for Trimester Program "Von Neumann Algebras"

Organizers: Dietmar Bisch (Nashville), Vaughan Jones (Nashville), Sorin Popa (Los Angeles), Dima Shlyakhtenko (Los Angeles) Lecturers: Remi Boutonnet (Bordeaux), Adrian Ioana (San Diego), Masaki Izumi (Kyoto), Emily Peters (Chicago), Dima Shlyakhtenko (Los Angeles), Stefaan Vaes (Leuven), Dan Voiculescu (Berkeley)

FURTHER EVENT

June 23 – 25, 2016 Young Women in Representation Theory

Organizers: Catharina Stroppel (Bonn), Joanna Meinel (Bonn), Lecturers: Vanessa Miemietz (East Anglia), Idun Reiten (Trondheim) Charlotte Ricke (Bonn)

These events will be open to postdocs from allover 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** at least one month before the respective event will start. Regardless of financial support, online registration is required.

