

ACADEMIC YEAR 2015/2016

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
„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*)

SUMMER SCHOOLS

■ April 18 – 22, 2016

Low-rank Tensor Techniques in Numerical Analysis and Optimization

Organizer: André Uschmajew (*Bonn*)

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 (*Osaka*)

■ 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*), Charlotte Ricke (*Bonn*)

Lecturers: Vanessa Miemietz (*East Anglia*), Idun Reiten (*Trondheim*)

