HAUSDORFF SPECIALS

Awards for best bachelor theses and dissertation

February 4, 2016

The Bonner Mathematische Gesellschaft honors the best bachelor students every year with a prize of €250 and a book. The best PhD of the year receives the Hausdorff Memorial Prize of €500 and a book from the Fachgruppe Mathematik.

This year, Aras Ergus, Daniel Koenen, Tobias Lenz, and Fabian Zaiser received the prize for the best bachelor theses. The Hausdorff Memorial Prize for the best dissertation in Mathematics was awarded to Dr. Robert Anselm Kucharczyk for his thesis „On arithmetic properties of Fuchsian groups and Riemann surfaces".

Aras Ergus: **„Loop Objects in Pointed Derivators"**
advisor: Dr. Moritz Groth
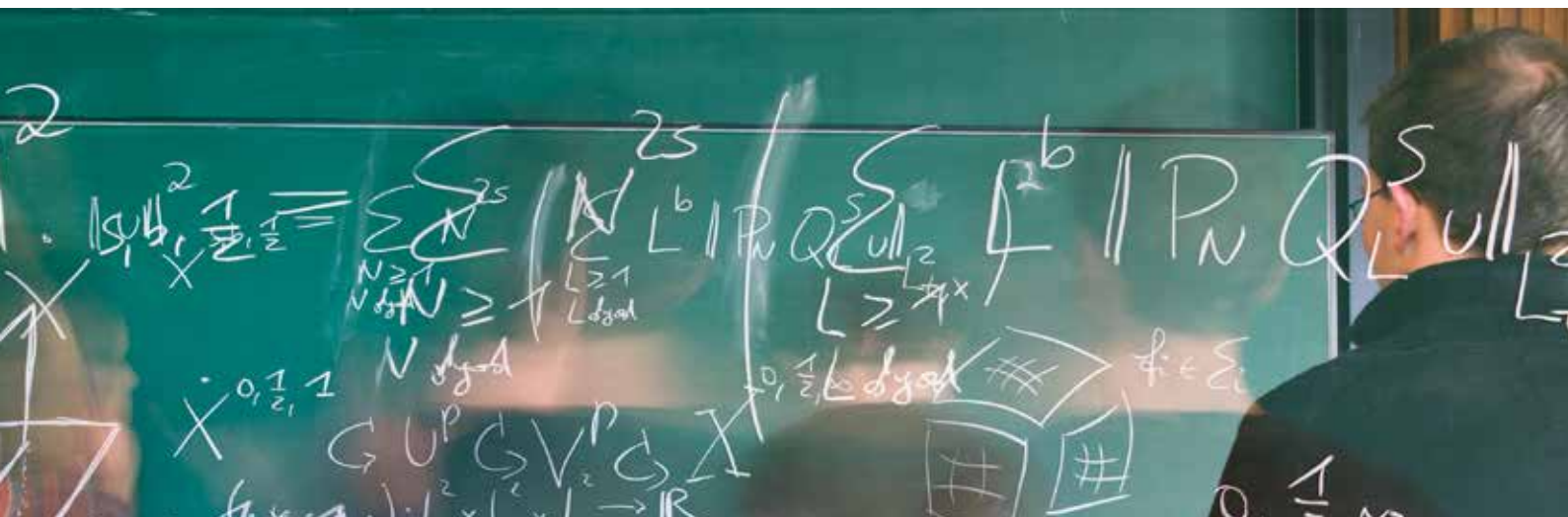
Tobias Lenz: **„Gamma-Räume"**
advisor: Prof. Dr. Stefan Schwede

Daniel Koenen: **„Subgeometrische Konvergenzraten von Markovprozessen und eine Anwendung auf SDDEs"**
advisor: Prof. Dr. Andreas Eberle

Fabian Zaiser: **„Massey Products and Configuration Spaces"**
advisor: Dr. Thomas Nikolaus

HAUSDORFF SPECIALS

Leibniz Prize awarded to Peter Scholze
March 1, 2016

Hausdorff Chair Peter Scholze received the Leibniz Prize at the official ceremony on March 1 in Berlin. Professor Dr. Peter Strohschneider, president of the Deutsche Forschungsgemeinschaft, said in his honorific speech: „Peter Scholze is just 28 years old and is therefore not only the youngest awardee today, but also in the entire 31 year history of the Leibniz Prize." With the 2.5 million Euro prize money Peter Scholze plans to finance PhD students, postdocs, and conferences, for example.

Ada Lovelace Prize for female mathematicians
Newsblog of the University of Bonn from March 17, 2016

For the academic year 2015, Dr. Margrit Klitz received the prize for the best dissertation on "Numerical Simulation of Droplets with Dynamic Contact Angles," in which she developed a numerical method which integrates an asymptotic version of Shikhmurzaev's model in a flow solver. In her work, Klitz succeeded in developing an innovative three-dimensional numerical way to treat two-phase flows with dynamic contact angles, analyzing it numerically, and presenting its characteristics with a range of examples.

Sonja Mathias was awarded the prize for the best master thesis. The outstanding thesis "A Kernel-based Learning Method for an Efficient Approximation of the High-Dimensional Born-Oppenheimer Potential Energy Hypersurface" was written in cooperation with the Fraunhofer SCAI. The work deals with the numerical simulation of materials and compounds on the atomic level. In the thesis, a machine learning technique for an approximation of the Born-Oppenheimer potential energy hypersurface which determines the inter-dependency between atoms is described and evaluated.

The Ada Lovelace-Prize for female students of Mathematics was founded by the Institute for Numerical Simulation at the University of Bonn in 2010 and is awarded once a year. The award exists to promote young female researchers in the area of Numerical Mathematics. The prize is named after the British female mathematician Ada Lovelace (1815 – 1852) and it honors the best bachelor's, master's, or doctoral theses. The prize money ranges from € 500 for the best bachelor's degree to € 1,000 for the best master's degree to € 2,000 for the best dissertation.

HAUSDORFF PEOPLE

Spencer Backman joined the working group of Ngoc Tran in January. Before he came to Bonn, he worked as a postdoc at the University of Rome La Sapienza. He's interested in interactions between algebra, combinatorics, and geometry.

Blazej Wrobel is a new postdoc at the Mathematical Institute. His research focuses on harmonic analysis and operator theory. Before he came to Bonn, he worked at the University of Wroclaw and at the University of Milano-Bicocca.

Nicole Göbel started her traineeship in science communication at the HCM on March 1. Before, she graduated in Business Administration and Economics from the Bergische Universität Wuppertal.

HAUSDORFF EVENTS

Hausdorff School:
Media training – January 21, 2016

As part of its soft skills program the Hausdorff School organized a media training for young researchers in cooperation with uni-bonn.tv in January. The participants learned how to act confidently in front of a camera and how to explain complex scientific topics to a wide audience.

Hausdorff Cinema:
"The Discrete Charm of Geometry" – February 23, 2016

The movie "The Discrete Charm of Geometry" opened the new HCM event series "Hausdorff Cinema". More than 150 people filled the lecture hall of the Max Planck Institute for Mathematics. Movie director Ekaterina Eremenko answered the questions of the audience after the movie and the guests enjoyed stimulating conversations at the reception.

HAUSDORFF CALENDAR

Hausdorff Forum for Interaction with Mathematical Sciences
Jürgen Bajorath (Bonn, B-IT) & Leif Kobbelt (Aachen, Informatics)
April 15

Low-rank Tensor Techniques in Numerical Analysis and Optimization (Hausdorff School)
April 18 to 22

Mathematischer Salon
Armin Falk (BonnEconLab) & Nicolas Franco (Piano)
April 21

Mathematik in Entwicklung (Advanced teacher training)
April 25 to 29

Mathe Slam
at the cafe unique
April 26

Girls' Day 2016: Mehr als Zahlen
April 28

Von Neumann Algebras (HIM Trimester Program)
May 2 to August 26

APPLY NOW!

Economics and Tropical Geometry (Hausdorff School)
May 9 to 13

NCGOA Spring Institute 2016
May 17 to 25

Borderline Problems with Singular Integrals (RiG)
May 22 to June 19

Hausdorff-Kolloquium 2016
Aldo Pratelli (Universität Erlangen-Nürnberg), Harald Helfgott (Universität Göttingen/CNRS), Geordie Williamson (MPIM Bonn), Adriana Garroni (Università di Roma)
June 15 to July 13

Moduli spaces of log del Pezzo pairs and K-stability (RiG)
June 20 to July 20

Young Women in Representation Theory
June 23 to 25

Felix Klein Lectures
Victor Ginzburg (University of Chicago)
June 27 to July 1
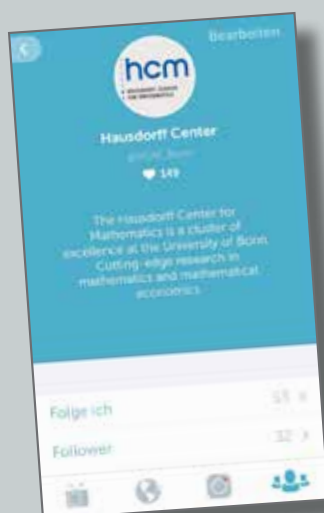
Workshop on von Neumann Algebras
(HIM Trimester Program)
July 4 to 8

HAUSDORFF MIXED

Watch our public events on Snapchat and Periscope!

The Hausdorff Center now runs two new social media accounts: @HCM_Bonn on Periscope and @hausdorffcenter on Snapchat. We use them to publish live images and pictures from our public events so that people from all over the world can join us virtually and participate by commenting on what's happening.

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