2-12 JULY 2011
INTERNATIONAL MATHEMATICAL SUMMER SCHOOL for Students
in Bremen, Germany

Are you really interested in Mathematics?

Do you want to…

› learn about mathematics approaching the frontier of current knowledge?

› spend ten days discussing with leading international mathematicians?

› meet like-minded fellow students from around the world?

Then join us this summer in Germany!

Summer School for Students

The school is open to students from all countries in their last two years of high school or first two years of university. The school is held in English.

More Information/Contact

mathschool@jacobs-university.de
math.jacobs-university.de/summerschool

Important Deadline

Applications are due 04 May 2011.

Some of the Main Speakers

Mario Bonk *(UCLA, USA)*
John H. Conway *(Princeton, USA)*
Étienne Ghys *(ENS Lyon, France)*
John H. Hubbard *(Cornell, USA; Marseille, France)*
Sergei Tabachnikov *(Penn State, USA)*
Tadashi Tokieda *(Cambridge, UK)*
Wendelin Werner *(Orsay, France)*
Don Zagier *(MPI Bonn, Germany; Collège de France)*
Günter M. Ziegler *(FU Berlin, Germany)*

… and more.

HOST AND VENUE JACOBS UNIVERSITY, Bremen
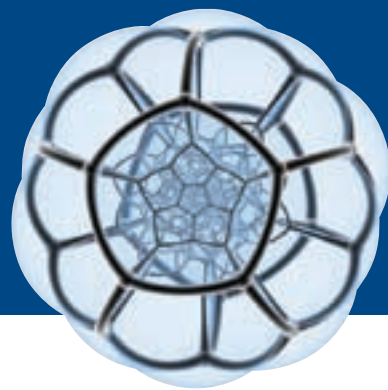
VolkswagenStiftung

CLAY MATHEMATICS INSTITUTE

European Campus Excellence

European Mathematical Society

DMV

Animath

Summer School for Students

The school is open to students from all countries in their last two years of high school or first two years of university. The school is held in English.

Instructors of the School include some of the leading international mathematicians who enjoy giving exciting presentations to talented students from high schools and universities and discussing with them!

Participation Details

Participants are expected to have solid working command of English. Limited support on English mathematical terminology will be offered in selected languages.

The school is generously supported by VolkswagenStiftung and Clay Mathematics Institute. The nominal contribution for participants is €400; this includes accommodation, meals, scientific program, and excursion. *We have generous (partial) fellowships available:* nobody should be excluded for financial reasons! Limited support for travel expenses may be available in exceptional cases.

Contact

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math.jacobs-university.de/summerschool

Important Deadline

Complete applications must be received by May 4, 2011.

Some of the
Main Speakers & Tentative Topics

Mario Bonk *(University of California, Los Angeles, USA)*
»Analysis without Smoothness«

John H. Conway *(Princeton University, USA)*
»The Game of Life and a Life of Games«

Étienne Ghys *(École Normale Supérieure de Lyon, France)*
»Surfaces and Geometry«

John H. Hubbard *(Cornell University, USA; Université Aix-Marseille, France)*
»Dynamics and Chaos«

Sergei Tabachnikov *(Penn State University, USA)*
»Flavors of "Bicycle Mathematics"«

Tadashi Tokieda *(University of Cambridge, UK)*
»Geometry and Physics«

Wendelin Werner *(Université Paris-Sud, Orsay, France)*
»Probability«

Don Zagier; tentative *(Max Planck Institute Bonn, Germany; Collège de France)*
»Number Theory«

Günter M. Ziegler *(Freie Universität Berlin, Germany)*
»Extremal Geometric Structures«

… and more.

Scientific **Committee**

Étienne Ghys *(École Normale Supérieure de Lyon, France)*, chair

Frances Kirwan *(Univ. of Oxford, UK)*

Dierk Schleicher *(Jacobs University, Germany)*

Alexei Sossinsky *(Moscow Univ., Russia)*

Sergei Tabachnikov *(Penn State Univ., USA)*

Anatoliy Vershik *(St. Petersburg State Univ., Russia)*

Wendelin Werner *(Université Paris-Sud, France)*

Jean-Christophe Yoccoz *(Collège de France)*

Don Zagier *(Max Planck-Institute Bonn, Germany; Collège de France)*

Günter M. Ziegler *(Freie Universität Berlin, Germany)*

Organizing **Committee**

Anke Allner *(Universität Hamburg, Germany)*

Martin Andler *(Université Versailles-Saint-Quentin, France)*

Victor Kleptsyn *(Université de Rennes, France)*

Marcel Oliver *(Jacobs University, Germany)*

Stephanie Schiemann *(Freie Universität Berlin, Germany)*

Dierk Schleicher *(Jacobs University, Germany)*

Sergei Tabachnikov *(Penn State University, USA)*

Application **Process**

1. Generate your application cover sheet by filling in the **online application form**. To help our planning, we ask you to do this as early as possible.
   (http://math.jacobs-university.de/summerschool/apply/form.php)

2. Answer the **supplementary application questions** in a format of your choice and attach the requested documents.

3. **Submit the application cover sheet, your answers to the supplementary questions, and all applicable supplementary documents** either by email (replying to the mail you obtain when you generate the cover sheet online) or by fax to +49-421-200-493210.

Letters of recommendation and certficates of English proficiency may be provided by the recommender directly by fax or email to mathschoolapply@jacobs-university.de. Please make sure that a copy of your application cover sheet is attached to all communication.

Important Deadlines

04 May 2011	Applications Due
10 May 2011	Notification of Selected Participants
30 May 2011	Deposits Due
02 June 2011	Notification of Wait-List Participants Begins

JACOBS UNIVERSITY

HOST AND VENUE

Jacobs University

The summer school is based on the park-like campus of Jacobs University, with lecture halls, library, small group study rooms, cafeterias, and recreation facilities within easy walking distance.

Jacobs University is an international, highly selective, residential campus university in the historic Hanseatic city of Bremen. It features an attractive math program with personal attention to students and their individual interests.

› Home to approximately 1,200 students from over 100 different countries

› English language university

› Committed to excellence in higher education

› Has a special program with fellowships for the most talented students in mathematics from all countries

› Venue of the 50th International Mathematical Olympiad (IMO) 2009

For more information about the mathematics program at Jacobs University, please visit:

math.jacobs-university.de