JACOBS UNIVERSITY

2-12 JULY 2011
INTERNATIONAL MATHEMATICAL SUMMER SCHOOL
for Students

at Jacobs University, Bremen

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

Scientific Committee

Étienne Ghys (*École Normale Supérieure de Lyon, France*), chair
Frances Kirwan (*University of Oxford, UK*)
Dierk Schleicher (*Jacobs University, Germany*)
Alexei Sossinsky (*Moscow University, Russia*)
Sergei Tabachnikov (*Penn State University, USA*)
Anatoliy Vershik (*St. Petersburg State University, 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*)

European **C**ampus **E**xcellence

European Mathematical Society

DMV

Animath

VolkswagenStiftung

CLAY MATHEMATICS INSTITUTE
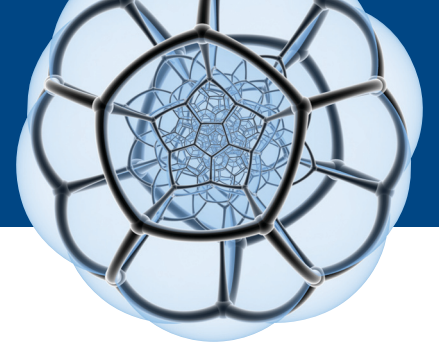
Are you really interested in Mathematics?

Do you want to...

› learn about mathematics approaching the frontier of current knowledge?

› spend ten days discussing problems with leading international mathematicians?

› meet exciting mathematicians and interesting fellow students from around the world?

Then join us at the International Mathematical Summer School for Students!

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

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

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.

Important Deadlines

Date	Event
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