

MatheFest Fribourg

14. September 2019

11⁰⁰ Begrüssung/Bienvenue (Auditoire PER21 A140, Pérolles)

12¹⁵ Mittagessen/Déjeuner (Mensa, Pérolles)

14⁰⁰ Vortrag/Exposé
Prof. Günter M. Ziegler (Freie Universität Berlin)

15¹⁵ Blockveranstaltung/Session parallèle

Forum/Table Ronde:	Mathematik-Karrieren/
Lehre/Enseignement	Parcours Mathématiques
Gymnasium-Universität	Angebote/offres UniFR

16³⁰ - 17⁰⁰ Verabschiedung/Clôture

MΦ²
MatheFest Fribourg

Vortrag/Exposé

14⁰⁰ Prof. Günter M. Ziegler

«Ist das falsch, oder ist das Kunst?»

Ein Blick durch die Brille der Mathematik

Die Schönheit der Mathematik liegt ja auch in ihrer Klarheit und Präzision, in der Eindeutigkeit und der ewigen Gültigkeit mathematischer Aussagen und Beweise.

Aber trotzdem sind das Mathematik-Machen, das Mathematik-Lernen, das Mathematik-Lehren und das Mathematik-Darstellen kreative und künstlerische Prozesse, die ohne Ungenauigkeiten, ohne Fehler und ohne falsche Fährten nicht funktionieren können: Die Fehler und das Fehlermachen gehören zur Mathematik!

In diesem Vortrag geht es um Fehler aus der Mathematik (angefangen bei Aristoteles, Archimedes und Euklid), um Mathematik als Kunst, um Fehler in Kunstwerken – und um Fehlersuche als ein vergnüglicher Zugang zu mathematischer Erkenntnis.

Blockveranstaltung/Session parallèle

Raum/Salle B130

15¹⁵ Simone Angehrn
(Collège St. Michel,
Freiburg)

15³⁵ Forum/Table Ronde
Moderation:

Emanuele Delucchi
Ioan Manolescu

Raum/Salle C130

15¹⁵ Chrystel Feller
(Novartis Institutes for
BioMedical Research,
Basel)

15³⁵ Ralph Stamm
(Career Services, UniFR)

15⁵⁵ Rafael Guglielmetti
(Bestmile, Lausanne)

16¹⁵ Georges Klein
(COST, Schweizerischer
Nationalfonds SNF, Bern)

Vorstellung/Présentation – Prof. Günter M. Ziegler

Prof. Günter M. Ziegler was born in Munich in 1963. After first studying at Ludwig-Maximilians-Universität München (LMU Munich), he earned his doctorate in 1987 from the Massachusetts Institute of Technology (MIT) in Cambridge (USA). Following four postdoc years in Augsburg and a research stay in Stockholm, he came to Berlin in 1992, where he worked at the Konrad Zuse Center (today's Zuse Institute Berlin). Ziegler completed the habilitation process at Technische Universität Berlin, where he worked as a professor of mathematics from January 1995 through February 2011. Since March 2011 he has been doing research and teaching at Freie Universität Berlin, and since May 2017 he has also been an adjunct professor at Technische Universität Berlin. In 2006 he was in charge of setting up Berlin Mathematical School (BMS) as a joint graduate school of the three major Berlin universities. Günter M. Ziegler has been the president of Freie Universität Berlin since July 6, 2018.



In 2001 Ziegler was awarded the Gottfried Wilhelm Leibniz Prize of the German Research Foundation (DFG) for his research. In 2008 he received the Communicator Award of the DFG and the Stifterverband für die deutsche Wissenschaft (Donors' Association for the Promotion of Sciences and Humanities in Germany). In 2010 he was awarded an Advanced Grant from the European Research Council, and in November 2017 he was awarded the Berlin Science Prize of the Governing Mayor of Berlin. Ziegler is a member of the board of the Berlin-Brandenburg Academy of Sciences and Humanities, a member of the German National Academy, Leopoldina, and the German Academy of Engineering Sciences, acatech, as well as a fellow of the American Mathematical Society. From 2006 to 2008 Ziegler was president of the German Mathematical Society (DMV).

Ziegler is committed to promoting a diverse and lively public image of mathematics. He was an initiator of the Year of Mathematics in 2008, and currently directs the DMV's Media Bureau of Mathematics as well as the DMV's Network Office School – Higher Education. In mathematics Ziegler deals with aspects of discrete geometry, especially the theory of polyhedra, with algebraic and topological methods in combinatorics, and with problems of optimization.

Ziegler has published numerous essays and books, dealing both with mathematics as well as popular science. Together with Professor Martin Aigner, he wrote *Das BUCH der Beweise* (Proofs from the BOOK), which is available in 14 languages. In January 2018 the book was awarded the Steele Prize for Exposition by the American Mathematical Society (AMS).

from: <https://www.fu-berlin.de/en/einrichtungen/organe/praesidium/praesident/kurzvita-ziegler/index.html>

Organisation

Prof. Ruth Kellerhals Geometrie/Algebra ruth.kellerhals@unifr.ch	Alumni Kontakt Lehrerschaft
Prof. Stefan Wenger Geometrische Analysis stefan.wenger@unifr.ch	Alumni
Prof. Ioan Manolescu Wahrscheinlichkeitstheorie, Perkolation ioan.manolescu@unifr.ch	Kontakt Lehrerschaft
Prof. Emanuele Delucchi Kombinatorik, Topologie emanuele.delucchi@unifr.ch	Kontakt Lehrerschaft
Dr. Livio Liechti Niedrigdimensionale Geometrie livio.liechti@unifr.ch	Mathe-Rätsel
Martin Fitzi Geometrische Analysis martin.fitzi@unifr.ch	Vertretung Mittelbau
Simon Drewitz Hyperbolische Geometrie simon.drewitz@unifr.ch	Vertretung Mittelbau IT-Support
Mathias Blaise mathias.blaise@unifr.ch	Vertretung Studentenschaft
Isabella Schmutz isabella.schmutz@unifr.ch	Sekretariat