



WELCOME to Essen

Educating the educators

Conference on international approaches to scaling-up
professional development in maths and science education

15 -16 December 2014 in Essen, Germany



Our Department

More than 200 people are working here in 30 groups.

We are active in four large fields:

- Algebra / Algebraic Geometry / Number Theory
- Analysis / Numerics / Optimization
- Didactics of Mathematics
- Stochastics

We are involved in larger cooperations, like DZLM, and SFB about "Periods, moduli spaces and arithmetic of algebraic varieties".

Third-party funds of ca. 2.000.000€ p.a.,
which is among the top 20 under about 70 Mathematics departments in Germany.

Our Students

We are teaching B.Sc.- and M.Sc.-students in a variety of programs.

- Mathematics, TechnoMathematics and EconoMathematics (1127 students)
- Mathematics Teaching for all kinds of schools - Primary, lower and upper secondary level (1465 students)
- Lectures in Mathematics for all other programs in science, engineering, economics (9235 students)

Our new building brings together all research and much of the teaching.

It is full of life, just like Mathematics themselves.





Bärbel
Barzel



Andreas
Büchter



Lisa
Hefendehl-
Hebeker (em)



Hans Niels
Jahnke (em)



Benjamin
Rott



Petra
Scherer



Heinz
Steinbring



Günter
Törner (em)

& 30 others

DZLM 

„Schülerlabor“
Pupils math laboratory



Mathe-Spürnasen
Learning
environments
for grade 4



Learning the
Science of
education



Teachers Teaching
With Technology



Formative
Assessment in
Science &
Mathematics
education



Contexts for
sense making in
mathematics learning



Hans E.
Fischer
(Physics)



Stefan
Rumann
(Chemistry)



Angela
Sandmann
(Biology)



Philipp
Schmiemann
(Biology)



Karin
Stachelscheid
(Chemistry)



Elke
Sumfleth
(Chemistry)



Heike
Theyßen
(Physics)



Maik
Walpuski
(Chemistry)

