

CADGME2014

Fifth Central- and Eastern European Conference
on Computer Algebra- and Dynamic Geometry Systems
in Mathematics Education

26-29 September, 2014 Halle (Saale), Germany

KEYNOTES



Ralph-Johan Back (Abo Akademi University Turku, Finland)

Structured derivations in practice: experiences from the E-math project

Marcelo de Carvalho Borba (Graduate Program in Mathematics Education, UNESP/Brasil)

Math Problem, Facebook and Emergent Classrooms



Predrag Janičić (University of Belgrade, Serbia)

Challenges for the Next Generation Mathematics Education Software

Tomas Recio (Universidad de Cantabria, Santander, Spain)

Dynamic Geometry and Mathematics: few trains on a two-way track



Jürgen Richter-Gebert (Technische Universität München, Germany)

Mathematics on electronic media in a changing world



TOPICS

Teaching

- The impact of digital tools on mathematics teaching
- The changing role of the teacher
- Teachers' professional development
- Teacher training
- Distance learning and digital tools

Curriculum

- Design of learning environments and curricula
- Implementation of curricula and classroom practices
- Innovative practices
- Promises of digital tools for curriculum development and administration

Learning

- The impact of digital tools on students' learning
- Students' attitudes toward digital tools
- Understanding and knowledge with respect to digital tools
- Algebraic skills and digital tools
- Instrumentation and Instrumentalization
- Creativity and digital tools

Assessment

- Assessment with digital tools
- Web-based assessment systems
- Problem solving and stepwise use of digital tools
- Intelligent Assessment

For more information about the conference and how to participate visit

<http://cadgme2014.ceremat.org>