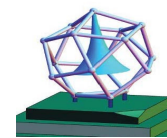




**Sixth Central- and Eastern European Conference on
Computer Algebra- and Dynamic Geometry Systems
in Mathematics Education**

7-10 September, 2016 Targu Mures, Romania



Teaching mathematics with reasoning tools: learning, teaching and curriculum planning.

Abstract: Computer Algebra Systems and other digital technologies supporting mathematical reasoning are being implemented in educational situations all over the world. The transformational nature of these technologies is large but the educational value is unclear, and results vary from very promising to problematic. In the talk, I will question which challenges and possibilities the adoption of mathematical reasoning tools pose to the teaching, learning and curricular planning of mathematics. What are the potential and actual changes in the nature of the school topic of mathematics, and how should we as mathematicians, mathematics teachers, and researchers in mathematics education, respond to these challenges?



Short bio: Morten Misfeldt PhD is Professor and Research manager for the ICT and Designs for Learning group at the Department for Learning and Philosophy, Aalborg University in Copenhagen. He works with ICT and learning in mathematics education at several levels. He also works with digital tools for educational management and with the design and use of educational games.

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