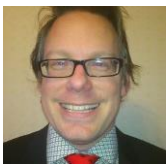


First Announcement

Welcome

After a successful conferences held at [Pécs, Hungary](#) (2007), [Hagenberg, Austria](#) (2009), [Hluboká nad Vltavou, Czech Republic](#) (2010), [Novi Sad \(2012\)](#) and [Halle\(2014\)](#) we are delighted to announce that the CADGME conference continues. The team from Department of Mathematics-Informatics at Faculty of Technical and Human Sciences, Sapientia Hungarian University of Transylvania in cooperation with the team from Faculty of Engineering, University Petru Maior has volunteered to host the conference in 2016 in the city of Bolyai's the beautiful Targu Mures/Marosvásárhely/Neumarkt, Romania. As for the last CADGME conferences we want to create a forum for Central- and Eastern- European colleagues, and for all interested academics from around the globe to exchange ideas and nurture collaboration. We hope that you will join us in Targu Mures on 7- 10 September 2016.

Keynote speakers



Christian Bokhove (University of Southampton, UK)

Using technology for maths teaching and learning: instructional design, digital books and automated feedback



Noah Dana-Picard (Jerusalem College of Technology, Israel)

The usage of technology to revive classical topics in mathematics



Zoltán Kátai (Sapientia University, Targu Mures, Romania)

Learning algorithms in technologically and artistically enhanced interactive environments



Zsolt Lavicza (STEM Ed. Centre, Joh. Kepler University, Linz, Austria)

GEOMATECH: Integrating Technology into Primary and Secondary School Teaching to Enhance Mathematics Education in Hungary



Morten Misfeldt (Aalborg University, Copenhagen, Denmark)

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

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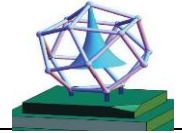
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**Sixth Central- and Eastern European Conference on
Computer Algebra- and Dynamic Geometry Systems
in Mathematics Education
7-10 September, 2016 Targu Mures, Romania**



Call for papers

The aim of the conference is to continue offering a forum for academics in Central- and Eastern Europe in closer connection with Western European colleagues to share their experiences and practices with technology-assisted mathematics teaching with colleagues from all around the world. Hence, we kindly invite colleagues - everyone from everywhere - to participate and contribute to the conference. The conference language is English.

How to contribute

Contributed talks

The talks will be given in parallel sessions; the length is 30 minutes including discussion.

Posters

Research results can be presented on posters. There will be time allocated to present and discuss posters.

Working groups

Talks will be organized around topics (proposed list is below). We welcome proposals (max 500 words) of working groups by 1 April, 2016 in which participants can contribute talks/papers. In working group sessions plenty of time will be allocated for in-depth discussion of talks/papers.

Workshops

We encourage participants and software developers to organize workshops. Proposals (max 500 words) should be submitted by 1 April, 2016. Please let us know about the technical facilities needed for the workshop. The time limit is 1.5 hour per workshop.

Electronic submission of proposals and abstracts

Submission of proposals for workshops/working groups and abstracts of contributed talks and posters will be available electronically on the conference web page starting March, 2016.

Publication, proceedings

Abstracts

The abstracts of contributed talks and posters will be published on the conference proceedings website. The length is maximum 300 words. The format will be available on the conference web page.

Refereed Papers

Papers can be sent for publication to the scientific committee. We are in discussion with several journals that might publish a special issue with papers presented at CADGME-2016. Papers are to be submitted by 1 December 2016.

Proposed programme

The conference will start on September 7 in the morning and end on September 10 noon. The detailed program will be announced later.

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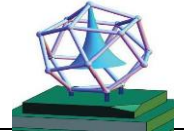
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Important dates and deadlines

Working group proposals	1 April, 2016
Workshop proposals	1 April, 2016
Second Announcement	15 April, 2016
Abstract of contributed talks and posters	1 May, 2016
Acceptance notifications	1 June, 2016
Final programme	1 September, 2016
End of pre-registration	1 September, 2016
Papers	1 December, 2016

Abstracts can be submitted on the conference website after registering.

Topics for contribution

Teaching

- The impact of CAS-DGS on mathematics teaching
- The changing role of the teacher
- Teacher learning
- Teacher training
- Distance learning and CAS
- Teaching with upcoming TP-based systems (TPS)

Learning

- The impact of CAS-DGS on students' learning
- Students' attitudes toward CAS-DGS
- CAS-DGS understanding/knowledge
- Algebraic skills and CAS
- Instrumentation
- Learning with upcoming TP-based systems (TPS)
- Creativity and CAS-DGS

Curriculum

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

Assessment

- Assessment in CAS-DGS environments
- CAS-DGS in Web-based assessment systems
- Evaluation of step-wise problem solving with TPS

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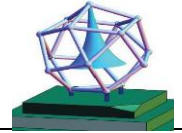
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Registration and further information

We intend to keep the conference fees at the level of previous conferences.

Electronic Registration

Registration for the conference will be available electronically on the conference web page, starting April, 2016.

Accommodation

Comfortable student hostel <http://www.ms.sapientia.ro/hu/hallgatok/bentlakas>

Vila Cheşa guesthouse <http://www.chesa-turism.eu/>

Sandoria Hotel <http://hotelsandoria.ro/en>

Business Hotel <http://www.hotel-business.ro/home.html>

Travel

Directions and instructions will be found on the conference website.

Scientific committee

Burkhard Alpers (Fachhochschule Aalen - University of Applied Sciences, Germany)

Teresa Assude (Université de Provence, France)

Paul Andrews (University of Cambridge, UK)

Bärbel Barzel (Universität Duisburg-Essen, Germany)

Bruno Buchberger (RISC, University of Linz, Austria)

Douglas Butler (ICT Training Centre Oundle School), UK)

J. Orlando Freitas (University of Madeira, Portugal)

Karl Fuchs (University of Salzburg, Austria)

Erika Gyöngyösi (Eszterházy Károly College, Comenius Faculty, Hungary)

Samer Habre (Lebanese American University, Lebanon)

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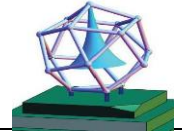
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Bernhard Kutzler (Austrian Center for Didactics of Computer Algebra ,Austria)
Jean-baptiste Lagrange (I.U.F.M. Reims and Didirem Université Paris VII, France)
Zsolt Lavicza (University of Cambridge, UK)
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John Monaghan (University of Leeds, UK)
Eric Muller (Brock University, Canada)
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Lajos Szilassi (University of Szeged, Hungary)
Denis Tanguay (Université du Québec á Montréal, Canada)
Luc Trouche (INRP (National Institut of Pedagogical Research), Lyon, France)
Éva Vásárhelyi (Eötvös Loránd University, Hungary / University of Salzburg, Austria)
Rose Mary Zbiek (The Pennsylvania State University, USA)
Nurit Zehavi (Weizmann Institute of Science, Israel)
Đurđica Takači (University of Novi Sad, Serbia)

Local organizing committee

Zsuzsanna Szabó (University of Petru Maior)
Ágnes Györfi (Sapientia University)
Sándor Horváth (University of Petru Maior)
Pál Kupán (Sapientia University)

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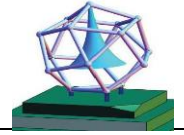
We encourage companies or organizations to sponsor the conference or events related to the conference. In exchange, we can offer publishing their logo on our website, in conference rooms, and around the conference sites.

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Local impressions



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