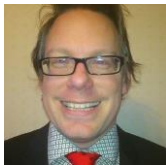


## Second Announcement

### 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 on CAS, DGS, TPS and other digital tools. 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*

**Website:** <https://cadgme.ms.sapientia.ro/index.html>

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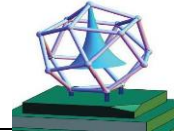
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**Morten Misfeldt** (Aalborg University, Copenhagen, Denmark)  
*Teaching mathematics with reasoning tools: learning, teaching and  
curriculum planning.*

## 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 the conference topics as shown in the proposed list below. We encourage participants to submit proposals to working groups.

In working group sessions plenty of time will be allocated for in-depth discussion of talks/papers.

### Workshops

You can show the list of proposed workshops below. We encourage participants to prepare up to participate in this workand software developers to organize workshops. We ask the organizers to 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 abstracts of contributed talks and posters is handled via the [Easy Chair](#) system. The deadline is on 2 May, 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.

**Website:** <https://cadgme.ms.sapientia.ro/index.html>

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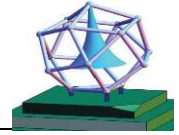
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## Refereed Papers

If you wish to publish a paper in a journal about your talk at the CADGME 2016 conference you can submit it into special issues of the following three peer-reviewed journals:

- The International Journal for Technology in Mathematics Education ([IJTME](#))
- The Electronic Journal of Mathematics & Technology ([eJMT](#)) and
- Acta Didactica Napocensia ([ADN](#))

Papers are to be submitted to the scientific committee by 1 December 2016. Formats of papers should be in line with the selected journal's requirements. We will give additional information too.

## 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.

## Important dates and deadlines

Abstract of contributed talks and posters	2 May, 2016
Acceptance notifications	1 June, 2016
Final programme	1 September, 2016
End of pre-registration	1 September, 2016
Papers	1 December, 2016

## Topics for contribution

The conference will be arranged around four important themes — Teaching, Learning, Curriculum and Assessment — using any digital tools. In the past years, we paid particular attention to Computer Algebra Systems (CAS), Dynamic Geometry Software (DGS), Theorem Proving Systems (TPS) and combinations of these technologies, but we would like to open to new horizons in technology-related areas not only mathematics, but science, engineering, technology and arts education (so called STEM disciplines). This includes, but is not restricted to, contributions to the following fields.

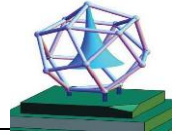
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### Teaching

- The impact of technology uses on mathematics and STEAM teaching
- The changing role of the teacher
- Teacher learning
- Distance learning and digital tools

### 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
- Creativity 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

### Assessment

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

## Working groups

János Karsai - University of Szeged, Hungary

**Modeling and Experimental Approach in Math Classrooms ([Abstract](#))**

Anatoli Kouropatov, Regina Ovodenko, Sara Hershkovitz - The Center for Educational Technology, Israel

**The impact of digital tools on students' learning of geometry ([Abstract](#))**

Paul Libbrecht, Matija Lokar - Weingarten University of Education, Germany / University of Ljubljana, Slovenia

**Using Sets of Mathematical Tools ([Abstract](#))**

Walther Neuper - Graz University of Technology, Austria

**eduTPS: JUSTIFYING MATH -- Working Group on Education and TP Technology ([Abstract](#))**

**Website:** <https://cadgme.ms.sapientia.ro/index.html>

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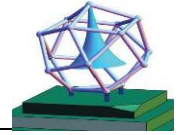
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## Workshops

Liudmyla Gryzun - Kharkiv National Pedagogical University Named After G.S. Skovoroda,  
Kharkiv, Ukraine

**Digital and didactic tools for the development of interdisciplinary curriculum for  
pre-service Mathematics teachers' training ([Abstract](#))**

János Karsai, Zsolt Vízny - University of Szeged, Hungary

**With or without Delay: Simple Dynamic Systems with Mathematica ([Abstract](#))**

Masataka Kaneko, Setsuo Takato - Toho University, Japan

**Introduction to KeTCindy --- Unification of Dynamic Geometry and High-Quality  
Printing ([Abstract](#))**

Eleonóra Stettner - Kaposvár University, Hungary

**WHAT WE LEARNED FROM THE CHILDREN? ([Abstract](#))**

## Registration and further information

There are two steps for registration and payment.

First, please fill in the registration form for CADGME: <https://goo.gl/TOZnjH>

Second, transfer your registration fee either with regular bank transfer to: [Bank account](#)

Universitatea Sapientia  
Corunca nr. 1/C, jud.Mureş

IBAN: RO300TPV320000073814EU03  
SWIFT : OTPVROBU  
OTP BANK ROMANIA - Sucursala Târgu Mures,  
Str. 1 Decembrie 1918, nr. 216,

Or through <http://transferwise.com> to the same account number (This service similar to  
regular bank transfer, but offers much lower transfer fees than regular bank transfers.  
Many of our colleagues have used this service successfully in the past. You can find a  
tutorial video on TransferWise website.)

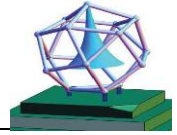
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## Conference fees

	<b>Early bird fee</b> (before June 3rd)	<b>Standard fee</b> (before Aug. 10)	<b>Late registration</b> (after Aug. 10)
<b>Regular with accommodation</b> (student hostel in the campus)	170 €	190 €	200 €
<b>Regular no accommodation</b>	130 €	150 €	160 €
<b>Student with accommodation</b> (student hostel in the campus)	150 €	170 €	180 €
<b>Student no accommodation</b>	110 €	130 €	140 €
<b>Accompanying person with accommodation</b> (student hostel in the campus)	150 €	170 €	180 €
<b>Accompanying person no accommodation</b>	110 €	130 €	140 €

### The registration fee for participants covers

- Conference materials
- Admission to Scientific Sessions
- Welcome reception
- Conference dinner
- Daily meal on each conference day and coffee breaks
- Bedroom in the student hostel (on campus) for those who choose University Accommodation

### The registration fee for accompanying persons covers

- Welcome reception
- Conference dinner
- Daily meal on each conference day and coffee breaks
- Bedroom in the student hostel (on campus) for those who choose University Accommodation

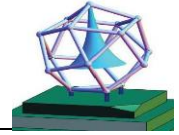
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## Accommodation

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)  
**Stephen J. Hegedus** (University of Massachusetts, USA)  
**Kathleen Heid** (Pennsylvania State University, USA)  
**Markus Hohenwarter** (Kepler University Linz Mathematics Education, Austria)  
**Sándor Horváth** (University of Petru Maior, Romania)  
**Djordje Kadijevich** (Mathematical Institute, Serbian Academy of Sciences and Arts, Serbia)  
**János Karsai** (University of Szeged, Hungary)  
**Zoltán Kátai** (Sapientia University, Romania)  
**Carolyn Kieran** (Université du Québec á Montréal, Canada)  
**Vesna Kilibarda** (Indiana University Northwest, USA)  
**Vlasta Kokol-Voljc** (University of Maribor, Slovenia)  
**Ulrich Kortenkamp** (University of Education Schwäbisch Gmünd, Germany)  
**Zoltán Kovács** (University of Debrecen - College of Nyíregyháza, Hungary)  
**Péter Körtesi** (University of Miskolc, Hungary)  
**Yves Kreis** (University of Luxembourg, Luxembourg)  
**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)  
**Matija Lokar** (University of Ljubljana, Slovenia)  
**John Monaghan** (University of Leeds, UK)  
**Eric Muller** (Brock University, Canada)  
**Ildikó Perjési-Hámori** (University of Pécs, Hungary)  
**Werner Peschek** (Alpen - Adria Universität Klagenfurt, Austria)

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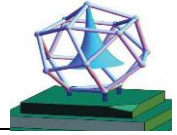
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**Kenneth Ruthven** (University of Cambridge, UK)  
**Csaba Sárvári** (University of Pécs, Hungary)  
**Edith Schneider** (Alpen - Adria Universität Klagenfurt, Austria)  
**Lajos Szilassi** (University of Szeged, Hungary)  
**Denis Tanguay** (Université 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)

## Program Committee of the Working Group "eduTPS: justifying (in) math"

**Roman Hašek** (University of South Bohemia, Czech Republic)  
**Zoltán Kovács** (Johannes Kepler University, Austria)  
**Filip Maric** (University of Belgrade, Serbia)  
**Walther Neuper** (Graz University of Technology, Austria (co-chair))  
**Pavel Pech** (University of South Bohemia, Czech Republic)  
**Pedro Quaresma** (University of Coimbra, Portugal (co-chair))  
**Judit Robu** (Babeş-Bolyai University Cluj, Romania)  
**Vanda Santos** (CISUC, Portugal)  
**Róbert Vajda** (University of Szeged, Hungary)  
**Wolfgang Windsteiger** (Johannes Kepler University, Austria)

## Local organizing committee

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

## Sponsors

**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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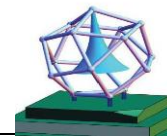
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## Excursion

An optional excursion after the conference on the afternoon of September 10 to Sighișoara/ Segesvár/Schäßburg will be offered for a separate fee.

## Local impressions



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