

**10th CADGME Conference on
Digital Tools in Mathematics Education
9-11 September 2025
Esch-sur-Alzette (Belval Campus), Luxembourg**

First Announcement

Welcome

After successful conferences held at [Pécs in Hungary](#) (2007), [Hagenberg in Austria](#) (2009), [Hluboká nad Vltavou in Czech Republic](#) (2010), [Novi Sad in Serbia](#) (2012), [Halle in Germany](#) (2014), [Targu Mures in Romania](#) (2016), [Coimbra in Portugal](#) (2018), [Jerusalem in Israel](#) (2022), and [Catania in Italy](#) (2023) we are delighted to announce that the CADGME conference continues. The team from the [Department of Education and Social Work](#) of the [University of Luxembourg](#) has volunteered to host the conference in 2025 in the beautiful city of [Esch-sur-Alzette \(Luxembourg\)](#). As for the last CADGME conferences, we want to create a forum for all 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 Esch-sur-Alzette ([Belval Campus](#)) on 9 – 11 September 2025.

Initially, the conference featured primarily Computer Algebra and Dynamic Geometry Systems, as they were the main tools in mathematics education, hence the name CADGME (Computer Algebra and Dynamic Geometry in Mathematics Education). However, in recent years, the development of technology has accelerated, and we have started to broaden our focus on all Digital Tools in Mathematics Education. We broadened our horizons and addressed new related topics, initially STEM (Science, Technology, Engineering and Mathematics). Nowadays, creativity and creation draw more attention in education. Thus, we initiated discussions on STEAM Education, including the Arts in our topics. In Esch-sur-Alzette ([Belval Campus](#)), we will have amazing keynote lectures, regular talks and posters. Additional details of the programme will be announced as the conference draws closer.

Keynote speakers



Taro Fujita, University of Exeter, United Kingdom

[CADGME, IJTME and the use of technological tools in future mathematics education](#)

Ben Haas, Ministry of Education, Luxembourg

[Empowering Inclusion:](#)

[Unlocking Opportunities in Special Needs Education Through STEAM](#)



Pedro Quaresma, University of Coimbra, Portugal

[Measuring the Readability of Geometric Proofs](#)

Benjamin Rott, University of Cologne, Germany

[Mathematical Problem Solving in the Digital Age](#)



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Topics

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

Teaching

- The impact of technology uses on mathematics and STEAM teaching
- The changing role of the teacher
- Teacher learning
- Distance learning and digital tools
- Connections between arts, design and technology in mathematics education

Learning

- The impact of digital tools on students' learning
- Students' attitudes toward digital tools
- Understanding and knowledge concerning 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

Nevertheless, the scientific committee is open for submissions beyond these topics related to digital tools in mathematics education.

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Contribution

Abstracts for talks, posters, and workshops are limited to 300 words and submitted via the ConfTool Conference Management System: <https://www.conftool.com/cadgme2025>. The submission deadline is **15 April 2025**, and the acceptance notifications will be sent within 3 weeks.

Talks

The talks will be given in parallel sessions; the length is 20 minutes plus 10 minutes for discussion.

Posters

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

Workshops

We encourage participants and software developers to organise workshops. Please let us know about the technical facilities needed for the workshop. The time limit is 60 or 90 minutes per workshop.

Journal Publication

If you wish to publish a paper in a journal about your talk at the CADGME 2025 conference, you can submit it to special issues of the following peer-reviewed journals:

- The International Journal for Technology in Mathematics Education ([IJTME](#))
- *more to be added*

Papers are to be submitted to the scientific committee by **30 November 2025**. Formats of papers should be in line with the selected journal's requirements.

Registration

Register to the conference [here: https://www.conftool.com/cadgme2025](https://www.conftool.com/cadgme2025).

	Early bird	Standard
	until 30 June 2025	until 15 August 2025
Regular registration	300 €	350 €
Student registration	180 €	200 €
Dinner (for Students)	70 €	
Excursion (optional)	20 €	

The conference fee for participants covers:

- Participation in the entire scientific program
- Certificate of attendance
- Coffee breaks and lunches
- Conference dinner on 10 September 2025 (except for students)

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[Programme \(Provisional\)](#)

	Tuesday	Wednesday	Thursday
	9 September 2025	10 September 2025	11 September 2025
08:00-08:30			
08:30-09:00	Registration		
09:00-09:30	Opening Ceremony	Keynote	Keynote
09:30-10:00	Keynote		
10:00-10:30		Coffee Break	Coffee Break
10:30-11:00	Coffee Break		
11:00-11:30	Parallel Sessions	Parallel Sessions	Parallel Sessions
11:30-12:00			
12:00-12:30			
12:30-13:00			Closing Ceremony
13:00-13:30	Lunch	Lunch	Lunch
13:30-14:00			
14:00-14:30			
14:30-15:00	Parallel Sessions	Keynote	Excursion
15:00-15:30			
15:30-16:00		Parallel Sessions	
16:00-16:30			
16:30-17:00	Coffee Break	Coffee Break	
17:00-17:30	Poster Session	Parallel Sessions	
17:30-18:00			
18:00-18:30			
18:30-19:00			
19:00-19:30			
19:30-20:00			
20:00-20:30		Conference Dinner	
20:30-21:00			
21:00-21:30			
21:30-22:00			
22:00-20:30			
22:30-23:00			

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Conference Chairs

Csaba Sárvári (University of Pécs, Hungary)
Zsolt Lavicza (Johannes Kepler University, Austria)
Yves Kreis (University of Luxembourg, Luxembourg)
Carole Dording (University of Luxembourg, Luxembourg)

Organising Committee

[Yves Kreis](#) (University of Luxembourg, Luxembourg)
[Andrea Klein](#) (University of Luxembourg, Luxembourg)
[Gilbert Busana](#) (University of Luxembourg, Luxembourg)
[Carole Dording](#) (University of Luxembourg, Luxembourg)
[Kateryna Ivanishchenko](#) (University of Luxembourg, Luxembourg)
[Christian Meyers](#) (University of Luxembourg, Luxembourg)
[Robert A.P. Reuter](#) (University of Luxembourg, Luxembourg)
[Christina Siry](#) (University of Luxembourg, Luxembourg)

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)
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Bruno Buchberger (RISC, University of Linz, Austria)
Douglas Butler (ICT Training Centre Oundle School, UK)
Jaime Carvalho e Silva (University of Coimbra, Portugal)
Thierry Dana-Picard (Jerusalem College of Technology, Israel)
Carole Dording (University of Luxembourg, Luxembourg)
Daniela Ferrarello (University of Catania, Italy)
Kristof Fenyvesi (University of Jyväskylä, Finland)
J. Orlando Freitas (University of Madeira, Portugal)
Samer Habre (Lebanese American University, Lebanon)
Roman Hašek (University of South Bohemia, Czech Republic)
Stephen J. Hegedus (University of Massachusetts, USA)
Kathleen Heid (Pennsylvania State University, USA)
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Carolyn Kieran (Université du Québec à Montréal, Canada)
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Zoltán Kovács (University of Debrecen - College of Nyíregyháza, Hungary)
Péter Körtesi (University of Miskolc, Hungary)
Yves Kreis (University of Luxembourg, Luxembourg)
Jean-Baptiste Lagrange (I.U.F.M. Reims and Didirem Université Paris VII, France)
Zsolt Lavicza (Johannes Kepler University, Austria)

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Paul Libbrecht (German Institute for International Educational Research, Germany)
Matija Lokar (University of Ljubljana, Slovenia)
Maria Flavia Mammana (University of Catania, Italy)
Jose Diego-Mantecon (University of Cantabria, Spain)
Morten Misfeldt (Aalborg University, Denmark)
John Monaghan (University of Leeds, UK)
Eric Muller (Brock University, Canada)
Julien Narboux (University of Strasbourg, France)
Walther Neuper (Graz University of Technology, Austria)
Mario Pennisi (University of Catania, Italy)
Ildikó Perjési-Hámori (University of Pécs, Hungary)
Werner Peschek (Alpen - Adria Universität Klagenfurt, Austria)
Valentyna Pikalova (Kharkiv National Pedagogical University, Ukraine)
Pedro Quaresma (University of Coimbra, Portugal)
Tomas Recio (Universidad de Cantabria, Spain)
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Ornella Robutti (University of Torino, Italy)
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)
Đurđica Takači (University of Novi Sad, Serbia)
Denis Tanguay (Université du Québec à Montréal, Canada)
Eugenia Taranto (University of Catania, Italy)
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)

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