



ICTMT 15 – second announcement

Making and strengthening “Connections and Connectivity” (C & C) for teaching mathematics with technology

ICTMT 15 - at a glance

Website	conferences.au.dk/ictmt15
Dates	13 th to 16 th September 2021
Place	Danish School of Education (DPU), Aarhus University (campus Emdrup)
Address	Tuborgvej 164, 2400 Copenhagen, Denmark
Plenary lecturers by	Chronis Kyngos Anna Baccaglini-Frank Shai Olsher Dan Meyer
Submission deadlines	15 th May 2021 (Papers) 31 st May 2021 (Posters and Workshops)
Registration deadlines	1st July 2021 (Early-bird) 15th August 2021



Photos: Jørgen Weber, Søren Kjeldgaard / AU-foto, Poul Ib Henriksen

Presentation



Photo: Søren Kjeldgaard / AU-foto

The 15th International Conference on Technology in Mathematics Teaching (ICTMT 15) takes place in **Copenhagen** in **September 2021**. The conference is organised by the Danish School of Education (DPU), Aarhus University, and its venue is on campus Emdrup, located in **Tuborgvej 164, 2400 Copenhagen, Denmark**.

ICTMT series

The ICTMT conference series is unique in bringing together **lecturers, teachers, educators, curriculum designers, mathematics education researchers, learning technologists, and educational software designers** who share an interest in improving the quality of teaching and learning. Through its character, the conference provides a forum for researchers and practitioners in this field to discuss and share best practices, research approaches and results, theoretical know-how, innovation and perspectives on educational technologies and their impact on the teaching and learning of mathematics.

This biennial conference began in Birmingham, UK, in 1993, under the influential enterprise of Bert Waits from Ohio State University. The previous instance was held in Essen, Germany, in 2019.

Conference programme

The ICTMT 15 programme starts on **Monday 13th September 2021** at noon and ends on **Thursday 16th September 2021**.

The programme includes scientific activities (plenary lectures, paper presentations, poster sessions and workshops) and social arrangements (excursions and conference dinner).

Format

All activities are planned to take place in person. However, the organising committees will adjust the conference to a hybrid or online format if required for sanitary restrictions.

Themes

The ICTMT 15 overarching theme is making and strengthening
“Connections and Connectivity” (C & C)

for teaching mathematics with technology. This general frame is split into four main themes:

1. Designing technology

for mathematical learning and its assessment – a focus on theoretical or actual ‘designs’ with contributions from researchers, industry and teachers.

2. Making sense of “classroom” practice

with and through technology – a focus on the work of teachers and lecturers, where the classroom might be geographically located or mobile. Again, contributions could be both theoretical and practical.

3. Fostering mathematical collaborations

with and through technology – a focus on the communications’ aspect of technology, including assessment strategies.

4. Innovating with technologies

for mathematical learning – a focus on highly innovative approaches in the early stages of development for constructive critique by the community.



Photo: Jesper Rais/AU Kommunikation

Plenary lectures



Theme 1: Designing technology

Embedding mathematics in Socio-scientific games: The case of the mathematical in grappling with Wicked Problems

Chronis Kynigos

National and Kapodistrian University of Athens, Greece



Theme 2: Making sense of “classroom” practice

Shifts from teaching mathematics with technology to teaching mathematics through technology: a focus on mathematical discussion

Anna Baccaglini-Frank

University of Pisa, Italy



Theme 3: Fostering mathematical collaborations

Te(a)ching to collaborate: Automatic assessment based grouping recommendations and implications for teaching

Shai Olsher

University of Haifa, Israel



Theme 4: Innovating with technologies

Pixels are Pedagogy

Dan Meyer

Desmos, Oakland, CA, USA

Call for proposals

As part of the scientific programme, submissions of proposals for papers, posters, and workshops are welcome in the conference themes.

Papers

Paper proposals consist of up to **8-page full papers**. They report on research outcomes, research in progress, innovative practices, theoretical developments, accounts on the use of resources and experiences. Paper submissions must use the corresponding **template** available on the conference website.

Posters

Poster proposals consist of a **title** and up to **400-word abstract**. They can illustrate concepts, ideas and projects.

Workshops

Workshop proposals consist of a **title** and up to **400-word description**. They should include:

- Aims - **what** is to be achieved
- Objectives - **how** the group work will achieve it
- Activities that participants will do in **two 1.5-hour sessions**
- Digital technologies involved in hands-on activities
- If participants need to bring their own devices, state any minimum technical needs (e.g., an internet-connected iPad)



Photo: Jesper Rais/AU Kommunikation

Practical information

Important dates

Submission	Deadline*
Open submissions	1 st May 2021
Papers	15 th May 2021
Posters and Workshops	31 st May 2021
Decision on acceptance	30 th June 2021
Registration	Deadline
Early Bird	1 st July 2021
Regular**	15 th August 2021

*Deadlines are set to 23:59 CEST

**There will be no registration at the time of the conference

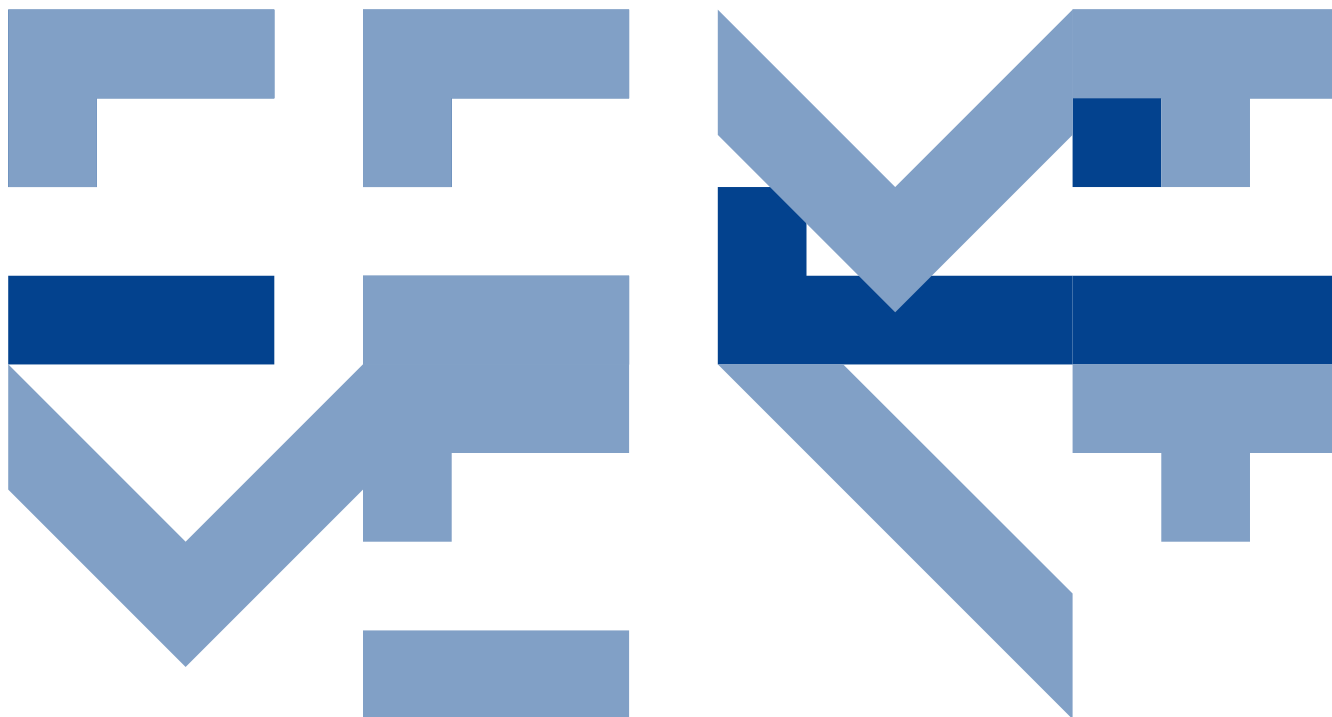
Registration fees

Early Bird	2400 DKK***
Regular	3200 DKK

***DKK = Danish crowns



Photo: Poul Ib Henriksen



ICTMT 15 – organization

International Programme Committee (IPC)

Uffe Thomas Jankvist	Denmark	IPC chair
Alison Clark-Wilson	UK	IPC co-chair
Hans-Georg Weigand	Germany	IPC co-chair
Gilles Aldon	France	
Ivan Kalas	Slovakia	
Eleonora Faggiano	Italy	
Susana Carreira	Portugal	
Florian Schacht	Germany	
Ingi Heinesen Højsted	Faroe Islands	
Sonia Palha	The Netherlands	

Local Organising Committee (LOC)

Uffe Thomas Jankvist	LOC chair
Marianne Thomsen	LOC co-chair
Raimundo José Elicer Coopman	LOC co-chair

Morten Blomhøj, Tina Hudlebusch, Ditte Wolff-Jacobsen, Rikke Maagaard Gregersen, Cecilie Carlsen Bach, Mathilde Kjær Pedersen, Stine Gerster Johansen, Morten Elkjær, Julie Vangsøe Færch, Lisser Rye Ejersbo

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