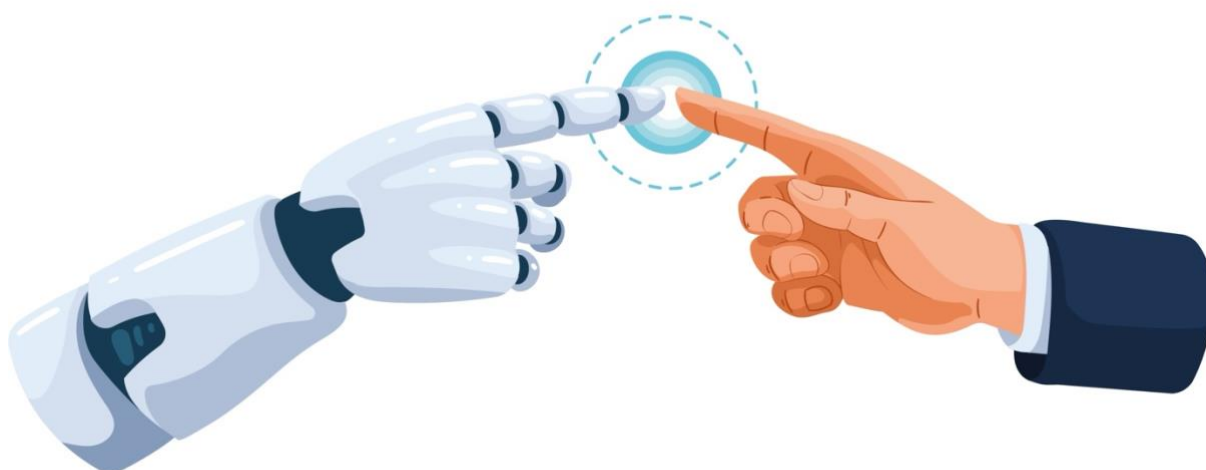




*Mathematics Classroom Teaching Research for All Students*

# THE 2025 M-CTRAS CONFERENCE

“Inspiring Research on Mathematics Classroom Resources”



In partnership with  
Johannes Kepler University Linz  
University of the Philippines Open University

Venue: Johannes Kepler University Linz, Austria  
Dates: 23, 24, & 25 June 2025

<https://mctras.upou.edu.ph/>

## Second Announcement

## Background of M-CTRAS

The Mathematics Classroom Teaching for All Students Research (M-CTRAS) organization is an inclusive and collaborative community dedicated to advancing research and practice in mathematics education. The organization comprises mathematics educators, college students, and K-12 classroom teachers. Since its inception, the M-CTRAS has expanded to numerous universities and school districts across various countries and regions, spanning from East to West. The organization hosts an annual conference that focuses on significant research areas in mathematics education for all students.

## History of M-CTRAS

The M-CTRAS was first proposed by Dr. Shuhua An and initiated during the U.S.-Sino Workshop in June 2008 through multilateral discussions. Originally named the Classroom Teaching for All Students Research (CTRAS) Working Group, it included the following 11 universities (six from the U.S. and five from China):

- U.S. – California State University, Long Beach, Grand Valley State University, Louisiana University, Montclair University, Indiana University, and National University.
- China – Beijing Normal University, East China Normal University, Hangzhou Normal University, Nanjing Normal University, and Tianjin Normal University

The CTRAS group planned to hold an annual international conference focused on a specific research area within international mathematics classroom instruction, along with research workshops to support junior scholars. Each annual CTRAS conference focuses on a specific, current, and important theme in mathematics education. From 2009 to 2024, under the leadership of Dr. Shuhua An and in coordination with local organizers, CTRAS successfully held 15 annual conferences, each attracting an average of 300 participants. These participants range from scholars and higher education faculty members to graduate students and K-12 classroom teachers. The conferences have significantly contributed to the field, producing numerous research journal articles on classroom teaching research. Notable contributions include journal articles and special issues in the *Journal of Mathematics Education*, edited by Dr. Zhonghe Wu from 2008-2017, Dr. Guido Ellert in 2018, Dr. Shuhua An and Dr. Hong Zhao in 2018, Dr. Robert M. Capraro, Dr. Mary Margaret Capraro, and Dr. Julia E. Calabrese in 2019, Dr. Olive Chapman and Dr. Kim Koh in 2022, and Dr. Thomas E. Ricks and Dr. Edel Reilly in 2023, and Dr. Birgit Brandt and Dr. Song An in 2024 and 2025.

The inaugural academic conference was held at Beijing Normal University in May 2009. Subsequently, the CTRAS research working group and the conference expanded to include universities and school districts from a broader range of countries and regions.

By 2023, mathematics educators and scholars from over 110 universities and schools in approximately 20 countries have participated in CTRAS research groups and annual conferences since. At the 2023 CTRAS annual conference, the transformation into the M-CTRAS organization was unanimously approved by all participants.

The M-CTRAS is now evolving and striving to become a leading organization in the field, guided by its dedicated founding leadership team: President Shuhua An, Vice Presidents Olive Chapman and Benedetto Di Paola, along with its Board Members and Committee Chairs.

The M-CTRAS has the following seven committees: Policy Committee, Membership Committee, Treasurer and Finance Committee, Website and Outreach Committee, Social Media Committee, Conference Committee, and Publication Committee.

### About the Conference Venue

Location: Johannes Kepler University Linz (JKU), Austria

On **June 23 (morning and afternoon)**, the venue will be at the JKU's Loft rooms over the Mensa. This is at the University Center, which includes the cafeteria and is located between the main library and the castle.



University Center

Source: <https://www.jku.at/campus/der-jku-campus/gebaeude/uni-center-mensa/>



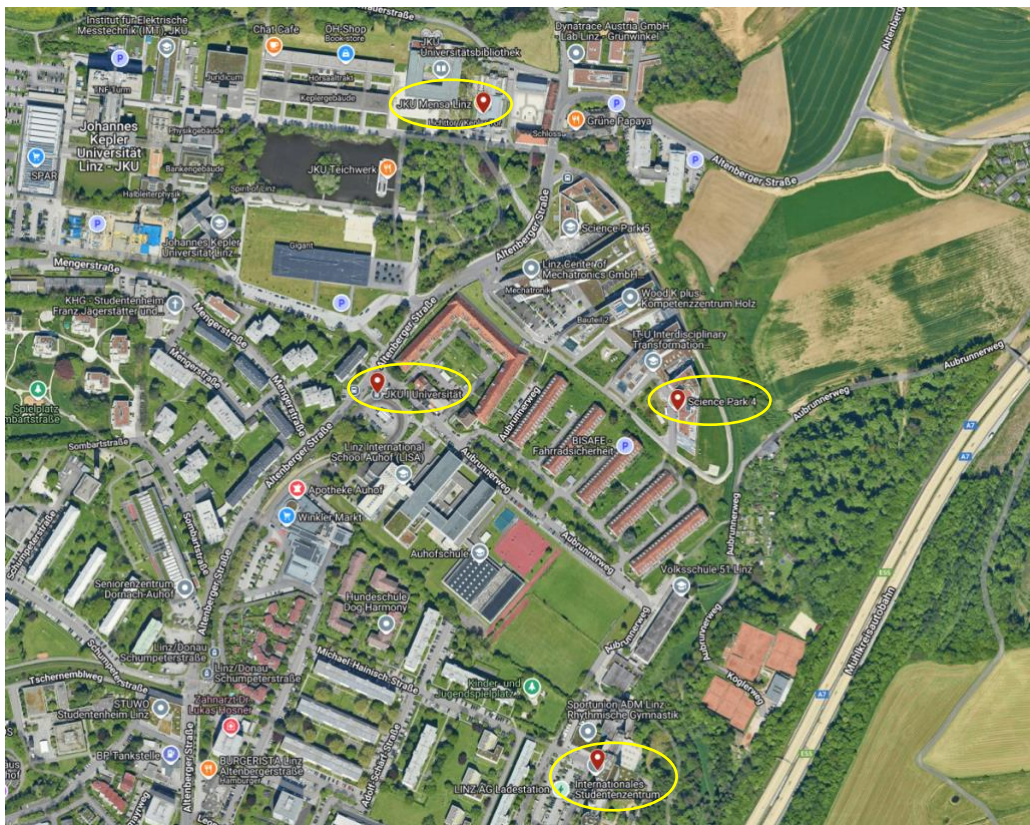
On **June 24 (morning)**, the venue will be IT:U, located at Science Park 4. In the **afternoon**, the venue will be at the University Center (JKU Loft).



Science Park 4

Source: <https://www.jku.at/campus/der-jku-campus/gebaeude/science-park-4/>

Both the University Center (cafeteria) and Science Park 4 are within walking distance of the nearest train station JKU | Universität and the Sommerhaus Hotel.



MCTRAS 2025 Conference Locations

On **June 25**, details for the location may be found in this [Google Form](#) prepared by EdTech Talents, one of the partner organizations of this conference.

## Conference Committees

The International Program Committee (IPC) of the 2025 M-CTRAS Conference consists of:

Dennis Lee Jarvis Ybañez (Philippines) – Chair  
Zhiling Wang (China) – Co-chair  
Angel Mae Ombid (Philippines) – Co-chair  
Shuhua An (USA)  
Zsolt Lavicza (Austria)  
Yiming Cao (China)  
Benedetto Di Paola (Italy)  
Olive Chapman (Canada)  
Renata Carvalho (Portugal)  
Giuseppe Bianco (Italy)  
Rasha Abadir (USA)

The Local Organizing Committee of the 2025 M-CTRAS Conference consists of:

Zsolt Lavicza (Johannes Kepler University Linz) - Chair  
Carla Barreiros (IT:U Interdisciplinary Transformation University) – Chair  
Marjorie Da Cruz – Co-chair  
Filiz Mumcu – Co-chair  
Nelson Silva (IT:U) – Co-chair  
Sebastian Maximilian Dennerlein (IT:U) – Co-chair  
Niri Gala (IT:U) – Co-chair  
Mathias Tejera  
Guillermo Bautista  
Russasmita Sri Padmi  
Viviana Aharonian  
Yosep Dwi Kristanto  
Giada Totaro  
Andri Setiyawan  
Angelika Schmid  
Wahid Yunianto  
Giada Totaro  
Cecilia Barranguet  
Kornel Szabo  
Melike Nur Köroğlu (IT:U)  
Adrijana Krebs (IT:U)  
Saba Soleimani (IT:U)

## Conference Theme

“Inspiring Research on Mathematics Classroom Resources”

Since the onset of the COVID-19 pandemic, education researchers and practitioners have recognized the importance of various instructional and learning resources, ranging from static, tactile, physical materials to more dynamic, interactive, and sophisticated tools that meet the demands of both onsite and remote learning environments. This underscores the significance of all types of educational resources, whether traditional or digital, in supporting effective teaching and learning.

The theme aims to bring together researchers and educators to share research findings, best practices, and innovative resources in mathematics instruction. Through this conference, we aim to foster collaboration among researchers, educators, practitioners, and policymakers to enhance mathematics instruction for all students.

Contributions on the theme includes the following subthemes:

1. Educational materials and resources (including platforms and applications) in Mathematics classrooms
2. Artificial Intelligence and Other Emerging Technologies in Mathematics Classrooms
3. Mathematics Teaching Resources in Open and Distance e-Learning

## Conference Website and Secretariat

For details and information about the Conference and the M-CTRAS organization, visit our website at <https://mctras.upou.edu.ph/>. Updates about the conference and all related events are posted on this website.

For any further inquiries about the Conference, please contact the conference secretariat team at [mctras@upou.edu.ph](mailto:mctras@upou.edu.ph).

## Conference Program

The scientific program for this year’s conference includes two keynote addresses, two invited talks, oral presentations, and poster sessions. Laboratory tours, organized by IT:U, will also be held in parallel with the M-CTRAS Annual General Meeting for M-CTRAS members. These activities will take place during the first two days of the conference.

On the third day, the EdTech Talents Summit will feature one keynote speech, one panel discussion, and two interactive workshops or activities organized by the EdTech Talents.



## Conference Timetable

 The 2025 M-CTRAS Conference				
	<b>Day 1</b> June 23  <b>Monday</b>	<b>Day 2</b> June 24  <b>Tuesday</b>		<b>Day 3</b> June 25 <b>Wednesday</b> <a href="#">(EdTech Talents Summit: Connecting Academia &amp; Business and Inspiring Growth)</a>
08:00 – 08:30	Registration (JKU Loft)	Registration (IT:U)	09:30 – 10:00	Registration and Coffee
08:30 – 09:00		Welcome Coffee and Networking		
09:00 – 09:15	Opening Ceremony  Welcome Message <b>Shuhua An</b> , M-CTRAS President <b>Joane V. Serrano</b> , UPOU Chancellor <b>Zsolt Lavicza</b> , LOC Chair	Opening Ceremony  Welcome Message <b>Stefanie Lindstaedt</b> , IT:U Founding President	10:00 – 10:15	Opening words – Zsolt Lavicza and Filiz Mumcu
09:15 – 10:00	🌟 Keynote Speaker <b>Janika Leoste</b> , Tallinn University	🌟 Keynote Speaker <b>Thomas Chiu</b> , The Chinese University of Hong Kong	10:15 – 10:30	Keynote speech (JKU Rectorate & OIC Management)
10:00 – 10:30	Group Photo ☕ Coffee Break	Group Photo ☕ Coffee Break	10:30 – 11:00	
10:30 – 11:00		Poster Exhibitions & Lab Tours (IT:U)	11:00 – 11:30	<b>Talk about Theme:</b> “EdTech Synergy: Leveraging Stakeholder Expertise for Educational Transformation” and <b>Panel discussion</b> with EdTech quadruple helix stakeholders Moderator: <b>Janika Leoste</b> .
11:00 – 11:30	Oral Presentations – Session 1		11:30 – 12:00	
11:30 – 12:00		🍽️ Lunch Break (JKU Mensa)	12:00 – 12:30	
12:00 – 13:00	🍽️ Lunch Break (JKU Mensa)	Afternoon sessions at the JKU Loft	12:30 – 13:30	🍽️ Lunch Break
13:00 – 13:30	🌟 Invited Speaker <b>Selay Arkun Kocadere</b> , Hacettepe University	🌟 Invited Speaker <b>Yiming Cao</b> , Beijing Normal University	13:30 – 14:00	
13:30 – 14:00			14:00 – 14:30	<b>An interactive workshop</b> about AI in education by <b>Thomas Chiu</b>
14:00 – 14:30	Oral Presentations – Session 2	Oral Presentations – Session 4	14:30 – 15:00	
14:30 – 15:00			15:00 – 15:30	
15:00 – 15:30	☕ Coffee Break	☕ Coffee Break	15:30 – 16:00	Interactive Activity: Upscaling EdTech Start-ups and Initiatives (led by MatheArena)
15:30 – 16:00			16:00 – 16:30	
16:00 – 16:30	Oral Presentations – Session 3	Oral Presentations – Session 5	16:30 – 17:00	
16:30 – 17:00		Closing Ceremony 🏆 M-CTRAS Awards Session <b>Benedetto Di Paola</b> , M-CTRAS Vice President	17:00	Closing and Networking Cocktail
17:00	End of Day 1	Social Dinner - Hauptplatz		

Program Timetable [link](#)>>

## Information About the Keynote Speakers



**Janika Leoste**  
Tallinn University

A dedicated educator and researcher with over ten years of experience in transforming education through digital technologies, Janika Leoste has introduced robotics into classrooms since 2014 and led innovative projects like the Estonian EdTech Hackathon and EdTech Talents across Europe.

She is an associate professor of Educational Robotics and assistant professor of Didactics at Tallinn University and Tallinn University of Technology, leading a team focused on educational innovation and developing hybrid teaching methods to enhance student engagement.

With her dedication and passion, she has become a multi-awarded researcher, receiving nominations from the Estonian Research Council and recognition from AcademiaNet for Outstanding Women Academic Scientists.



**Thomas Chiu**  
The Chinese University of  
Hong Kong

Thomas Chiu is an assistant professor of Digital Education in the Department of Curriculum and Instruction at The Chinese University of Hong Kong. He has a strong academic background in software development and mathematics and serves as the Associate Director of the Centre for University and School Partnership and the Centre for Learning Sciences and Technologies.

Prior to these roles, he was also a lecturer and School-University Partnership Director in the Faculty of Education at The University of Hong Kong, demonstrating his extensive teaching and leadership experience in schools.

Between 2020 and 2024, he delivered over 150 talks locally, regionally, and globally about his research, which focuses on using AI for education, particularly in STEM domains and teacher education.



## Information About the Invited Speakers



**Selay Arkün Kocadere**  
Hacettepe University

Selay Arkün Kocadere is an associate professor at Hacettepe University in Ankara, Türkiye. Following her bachelor's degree combined with master's in Mathematics Education, she received her M.Sc. and Ph.D. in Computer Education and Instructional Technology. She worked as an instructional designer in the private sector before moving into academics.

Interested in technology-enhanced mathematics education, online learning, and mentoring, her recent research focuses on educational games and gamification. Some of her taught courses are Distance Education, Instructional Design, Gamification in Education, and Teaching Practice.



**Yiming Cao**  
Beijing Normal University

Yiming Cao is a professor at the School of Mathematical Sciences, Beijing Normal University. He serves as the Leader of China's National Compulsory Education Mathematics Curriculum Standard Revision Team, the Head of the National Research Institute for Mathematics Teaching Materials, the Executive Vice President of the Chinese Society of Mathematics Education.

Professor Cao's research areas include international comparative studies on curriculum standards, textbooks, and classroom teaching, as well as the application of artificial intelligence in education. He has led over 10 projects and participated in several well-known international collaboration projects as the director for Mainland China, such as Middle School Mathematics and the Institutional Setting of Teaching (with Professor Paul Cobb); the Learner's Perspective Study, Learning from Lessons, and The Lexicon Project (with Professor David Clarke). He has published more than 200 journal articles.

## Oral and Poster Presentations

Oral presentations will be delivered by the presenting author/s in person or online, within the allotted time of 10 minutes. After the presentation, a 5-minute discussion will follow through a question and answer format. A session chair and a technical assistant will be assigned to each parallel session. The session chair will introduce the presenters, manage the timing of each presentation, and moderate the discussion. The technical assistant will provide support with audiovisual and virtual meeting tools, and manage chat interaction with the online audience to ensure a smooth session flow.

Poster presentations will be conducted either in person or online. The posters prepared by contributing authors will be showcased on the morning of June 24th, with a 1-hour poster exhibition scheduled. During this time, in person presenting authors are expected to be in their poster exhibits to discuss their work and engage with the participants, while online poster presenters are expected to be in the online meeting room breakout sessions to interact with the participants.

The format for the poster presentations will be as follows:

- Digital
- Portrait
- 1440 x 3840 pixels (width x height) resolution
- The poster has to include the following parts: introduction, methodology, results, discussion and conclusion

All presenting authors are required to submit a copy of their presentation files (in pdf format) by **18 June 2025** to minimize technical difficulties during the event. Submit your PDF presentation files through this [Google Form](#)>>

Each parallel session room will be equipped with a designated laptop, and participants will **not** be permitted to use personal laptops for their presentations.

## Registration and Payment

Each individual intending to attend the conference, including both presenters and non-presenters, is required to complete an online registration process. The registration fees and types are as follows.

Registration Category	In-person Participation	Online Participation
Professionals	160 EUR	110 EUR
Professionals (M-CTRAS Members)	130 EUR	90 EUR
Students	110 EUR	80 EUR
Students (M-CTRAS Members)	80 EUR	55 EUR

To be a member of M-CTRAS, submit an application through this [form](#)>>.

For the registration to the M-CTRAS 2025 conference, the following steps are necessary:

1. Create a new user account via <https://conferences.jku.at/mctras/user/register>  
In this case, you will receive an email with a link to a page where you can set a password.  
Another option is to log in via Shibboleth (available for JKU employees)
2. Login with your username and password via  
<https://conferences.jku.at/mctras/user/login>
3. Register for the conference via “My registration” -> “Event registration”

Participants will receive an automatic confirmation of the registration. If you do not obtain anything, please send an e-mail to [mctras@jku.at](mailto:mctras@jku.at) to make sure that the organizer has received your booking. Registration will only be effective upon receipt of the registration fee or after credit card payment authorization. Please notify us of any corrections to your registration immediately to [mctras@jku.at](mailto:mctras@jku.at).

All cancellations must be submitted in writing to the M-CTRAS Organizers at [mctras@upou.edu.ph](mailto:mctras@upou.edu.ph) and are subject to the following term: *Cancellations made on or before 10 May 2025 are eligible for a 50% refund.*

Registration for the conference will close on **15 June 2025** for in person participants, and **18 June 2025** for online participants.

### Travel and Accommodation Tips

The most convenient way to get to Linz is by train from the Vienna International Airport.

From the airport, you may take the OBB train from Wien Faugafhen (Vienna airport) to Linz Hauptbahnhof (Hbf). The trip will take around 1 hour 40 minutes to 2 hours.

From the train station, you can take Tram 1 or Tram 2 to Universität. You can use the machine on the platform to buy the tram tickets. You can pay with cash or a credit/debit card. A single ticket costs around 3.00 EUR.

Many of the JKU guests stay at the SommerHaus Hotel, which is around 10 minutes from the JKU Universität. See the hotel details below:

Sommer Haus Hotel

Julius Raab Straße 10 A – 4040 Linz

Telephon: 0732 / 2457 – 378

e-Mail: [hotel@studentenwerk.at](mailto:hotel@studentenwerk.at)

Website: <https://www.sommerhaus-hotel.at/de/linz>

Note: Include the keyword "MCTRAS" in your email request for accommodation to receive a discounted JKU rate.

Other than the SommerHaus Hotel, the following are alternative accommodations around JKU Linz:

Gasthof Lüftner  
Klausenbachstr. 18, A-4040 Linz  
Telephon: +43 732 / 750166  
e-Mail: office@gh-lueftner.at  
Website: <https://gh-lueftner.at/>

harry's home  
Linz Urfahr  
Donaufeldstraße 3  
4040 Linz, Austria  
Telephone: +43 (0) 50 1214 1290  
e-mail: [linz@harrys-home.com](mailto:linz@harrys-home.com)  
Website: <https://harrys-home.com/linz-urfahr/en/>

Helpful links:

- Website of the airport: <https://www.viennaairport.com/en/passengers>
- Website of the train company: <https://www.oebb.at/en/>
- LinzMobil train mobile app:  
[https://play.google.com/store/apps/details?id=at.upstream.linzmobil&pcampaignid=web\\_share](https://play.google.com/store/apps/details?id=at.upstream.linzmobil&pcampaignid=web_share)