

KOREA 2025 
EARCOME9

The 9th ICMI-East Asia Regional Conference on
Mathematics Education

Re: Visiting the Essence of
Mathematics Education
in the Era of Digital Transformation

Seoul National University, Siheung Campus

July 18^{FRI} - 22^{TUE}, 2025

First Announcement



Co-hosted by



한국수학교육학회
The Korean Society of Mathematical Education



대한수학교육학회
The Korean Society of Educational Studies in Mathematics

Sponsor



Background

Among several ICMI Regional Conferences occurring on a regular basis, EARCOME is the name given to the ICMI-East Asia Regional Conferences on Mathematics Education. EARCOME presents the opportunity to enhance researchers' collaboration among East Asian countries for the advancement of mathematics education. EARCOME is held every three years except in the years when the International Congress on Mathematical Education (ICME) is held. In such a year, EARCOME is held the year before. Countries/Regions in East Asia take turns hosting the conferences. After 27 years since EARCOME 1, it is a great pleasure to host EARCOME once again in Korea, a place of educational significance.

-History of EARCOME conferences

EARCOME 1 1998 Republic of Korea
EARCOME 2 2002 Singapore
EARCOME 3 2005 China
EARCOME 4 2007 Malaysia
EARCOME 5 2010 Japan
EARCOME 6 2013 Thailand
EARCOME 7 2015 Philippines
EARCOME 8 2018 Taiwan

Committee

Chair

Oh Nam Kwon Seoul National University (Korea)

Co-chair

Berinderjeet Kaur National Institute of Education (Singapore)

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Rakhi Banerjee Azim Premji University (India)	Kai-Lin Yang National Taiwan Normal University (Taiwan)
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Chi Thanh Nguyen Vietnam National University, Hanoi (Vietnam)	
Masitah Shahrill Universiti Brunei Darussalam (Brunei)	

Conference Theme:

Re: Visiting the Essence of Mathematics Education in the Era of Digital Transformation

The first East Asia Regional Conference on Mathematics Education (EARCOME) was held in 1998 with the theme “**What is the essence of mathematics education in East Asia?**” During that conference, numerous mathematics teachers and researchers from across East Asia convened to discuss the unique spirit and characteristics that East Asian mathematics education has upheld amidst social and cultural changes. Now, more than two and a half decades later, we find ourselves in the midst of rapid digital transformation—a shift so profound that it reshapes the essence of mathematics education.

Reflecting the demands and opportunities of this new era, EARCOME 9, which will return to Korea in 2025, has adopted the theme: “**RE: Visiting the Essence of Mathematics Education in the Era of Digital Transformation.**” This theme signifies a critical reflection on the meaningful integration of digital technologies in mathematics education and a forward-looking exploration of future directions. With the rapid development of digital technologies, including artificial intelligence, these tools have become essential elements that significantly affect not only mathematics education but also the broader society in which we live. This theme focuses on examining what changes and what remains unchanged in the essence of mathematics education amidst the significant shift known as the digital transformation.

By inviting teachers, researchers, and policymakers to reflect on the core objectives of mathematics education within a digital context, EARCOME 9 encourages meaningful discussions on what is essential in teaching mathematics today and how to prepare students for the future. EARCOME 9 provides an opportunity to collaborate with the international research and education community in mathematics education beyond the East Asia region. Therefore, researchers and educators from various countries are encouraged to attend the conference to strengthen international exchange and collaboration. We look forward to collaborative dialogues that will (re)shape the trajectory of mathematics education in the era of digital transformation.

Location

The venue for the conference will be the Siheung Campus of Seoul National University in Siheung, Korea. Seoul National University was founded on October 15, 1946. Initially, its various colleges were scattered across different locations throughout Seoul, but in the mid-1970s, the university consolidated its campuses into three main locations. Today, Seoul National University comprises four main campuses: Gwanak Main Campus, Yeongeon Medical Campus, Pyeongchang Regional Campus, and Siheung Regional Campus, which includes both long-established and newly built campuses.

The Siheung Campus, where EARCOME 9 will be held, opened in 2020. It is part of the regional innovation campus, which promotes regional cooperation through its Win-Win Platform and leads research in convergence technology, supported by infrastructure for emerging industries.

Scientific program

Program	Description	Deadline
Plenary Lectures (PL)	In Plenary Lectures, researchers with substantial and continuing contributions to the growth of the field of Mathematics Education communicate their insights into the field in a narrative format.	February 1, 2025
Invited Lectures (IL)	In Invited Lectures, invited researchers will present their work and reflections. These researchers are well-established and received recognition and distinction.	
Working Groups (WG)	In Working Groups, researchers form groups of two or more presenting their work. The aim of this program is that participants are offered the opportunity to closely connect to other researchers who share a common research topic, to engage in exchange of their common research topics or to exchange their emerging ideas to be pursued in the future with the potential to collaborate.	February 28, 2025
Special Sharing Groups (SSG)	Special Sharing Groups are communities within a larger organization with a commonly shared interest in advancing specific areas of knowledge, learning or technology in the field of mathematics education. In this program, members collaborate to create solutions within their field and may communicate, meet, and organize future conferences.	
Poster Presentation (PP)	In Poster Presentation, researchers share information, research, and insights that are best delivered visually rather than through oral communication. While formal oral presentations are not associated with poster presentations, presenters will have the chance to engage in discussions with conference participants after their posters have been displayed for a sufficient amount of time.	February 1, 2025

Topic Study Groups (TSG)

A Topic Study Group (TSG) is designed to bring together participants who share an interest in a particular topic related to mathematics education. Participants whose papers are accepted for TSGs will have 10-15 minutes for their oral presentations, although the presentation time may vary depending on the number of proposals. Each TSG will be facilitated and organized by the following invited chairs. Submissions for TSG are due on **February 1, 2025**.

Topic	Chair, Co-Chairs, and Coordinator
The Essence of Mathematics Education in Curriculum and Materials	Chair: Ji-Eun Lee, U.S., Oakland University Co-Chair: Rakhi Banerjee, India, Azim Premji University Co-Chair: Hui-Yu Hsu, Taiwan, National Tsing Hua University Coordinator: Miin Lim, Korea, Seoul National University of Education
The Essence of Mathematics Education in Classroom Practice	Chair: Hino Keiko, Japan, Utsunomiya University Co-Chair: Leong Yew Hoong, Singapore, National Institute of Education Co-Chair: Kotaro Komatsu, Japan, University of Tsukuba Coordinator: Jin Sunwoo, Korea, Gwangju National University of Education
The Essence of Mathematics Education in Assessment and Evaluation	Chair: Xinrong Yang, China, University of Macau Co-Chair: Zhenzhen Miao, China, Jiangxi Normal University Co-Chair: Younggon Bae, U.S., University of Texas Rio Grande Valley Coordinator: SungHwan Hwang, Korea, Chuncheon National University of Education
The Essence of Mathematics Teacher Education	Chair: Takeshi Miyakawa, Japan, Waseda University Co-Chair: Maitree Inprasitha, Thailand, Khon Kaen University Co-Chair: Qiaoping Zhang, Hong Kong, The Education University of Hong Kong Coordinator: Soo Jin Lee, Korea, Korea National University of Education
The Essence of Mathematics Education in Learning and Cognition	Chair: Ban Heng Choy, Singapore, Nanyang Technological University Co-Chair: Yuriko Yamamoto Baldin, Brazil, Universidade Federal de São Carlos Co-Chair: Insook Chung, U.S., Saint Mary's College Coordinator: Jiyoun Lee, Korea, Gongju National University of Education
The Essence of Mathematics Education in the Use of Digital Technology	Chair: Mi Yeon Lee, U.S., Arizona State University Co-Chair: Oi-Lam Ng, Hong Kong, The Chinese University of Hong Kong Co-Chair: Sheunghyun Yeo, Korea, Daegu National University of Education Coordinator: Dongjo Shin, Korea, Pusan National University

Topic	Chair, Co-Chairs, and Coordinator
<p>The Essence of Mathematics Education in Affective and Emotional aspects</p>	<p>Chair: Ting Ying Wang, Taiwan, National Taiwan Normal University Co-Chair: Jihyun Hwang, Korea, Korea National University of Education Co-Chair: Hiroyuki Ninomiya, Japan, Saitama University Coordinator: Yunmin Kim, Korea, Chinju National University of Education</p>
<p>The Essence of Mathematics Education with Equity and Culture</p>	<p>Chair: Catherine P. Vistro-Yu, Philippines, Ateneo de Manila University Co-Chair: Sri Adi Widodo, Indonesia, Universitas Sarjanawiyata Tamansiswa Co-Chair: Takuya Baba, Japan, Hiroshima University Coordinator: Sungjae Moon, Korea, Chungbuk National University</p>
<p>The Essence of Mathematics Education in Undergraduate Level</p>	<p>Chair: Vilma Mesa, U.S., University of Michigan Co-Chair: Hans Stefan Siller, Germany, University of Würzburg Co-Chair: Tatsuya Mizoguchi, Japan, Tottori University Coordinator: Sunyoung Han, Korea, Sungkyunkwan University</p>
<p>The Essence of STE(A)M Education</p>	<p>Chair: Hyunyi Jung, U.S., Texas A&M University Co-Chair: Masitah Shahrill, Brunei, Universiti Brunei Darussalam Co-Chair: Hyunkyoungh Yoon, U.S., California State Polytechnic University, Pomona Coordinator: Yujin Lee, Korea, Kangwon National University</p>

Submission Process

General Information

We invite the mathematics education community to submit abstract of paper for the conference. The conference language is English. Please make sure your submission is formatted using the conference templates provided at the templates of all proposals section.

Please carefully read the guidelines before submitting your abstract or paper. Submitted abstracts will be reviewed by the Scientific Program Committee. The presentation type may possibly be changed following review by the Scientific Program Committee.

Submitting an abstract or paper does not constitute conference registration; presenters must register separately.

Guidelines of Submission

Abstracts or papers must be written in clear [English](#).

Please note that all abstracts or papers should use the [template for EARCOME 9](#).

Please note that there are [different instructions depending on the type of program](#) you intend to submit.

- Plenary Lectures and Invited Lectures should be no less than 20 pages.
- Topic Study Groups should be no more than 4 pages.
- Working Groups, Special Sharing Groups, and Poster Presentations should be no more than 2 pages.

It is the responsibility of the authors to ensure that their text does not contain typos or grammatical errors.

The right to publish your abstract or paper is granted to the EARCOME 9 Local Organizing Committee.

Abstract Information

The schedule is subject to change.

Abstracts or papers must be submitted via the online submission system. Faxed or emailed abstracts and papers will not be considered.

If you would like to withdraw your abstract or papers after the submission deadline, please contact the secretariat via email.

Submission	Open	November 2024
	TSG Full Paper	By February 1, 2025
	PL/IL abstract	By February 1, 2025
	PP submission	By February 1, 2025
	WG, SSG Proposal	By February 28, 2025
	Notification of Acceptance & Feedback to Authors (TSG, PP)	By March 31, 2025
	Notification of Acceptance (WG, SSG)	By March 31, 2025
	PL/IL submission	By April 30, 2025
	Revision Deadline (TSG, WG, SSG, PP)	By April 30, 2025
	Conference	July 18, 2025

Notification of Acceptance

All submitted abstracts or papers will be reviewed by the Scientific Program Committee according to standard review procedures.

Note that all papers submitted to TSGs are reviewed by the chair and co-chairs with the assistance of the coordinator in each TSG.

Acceptance will be notified by email to presenting authors on the notification date.

Withdrawal of Abstracts or Papers

If the presenting author of an accepted abstract or paper does not register by [standard registration](#), the abstract or paper will be automatically withdrawn from the final program.

If you would like to withdraw an abstract or paper, please notify the Secretariat by email as soon as possible.

Registration

Registration Process

1. Click the Register Now button
2. Sign up or log into the registration system
3. Fill out personal information and save
4. Complete registration and make a payment
5. Check your email for payment confirmation (Successfully completed)

※Note※

- If you do not receive the confirmation email, contact the secretariat.
- The online registration page is optimized for Chrome.

Important Dates and Fees

Category		Early Bird	Standard	Onsite
Deadline		Feb 28, 2025	May 31, 2025	after June 1, 2025
Fees	Overseas Delegate	USD 450	USD 480	USD 550
	Domestic Delegate	KRW 600,000	KRW 650,000	KRW 750,000

Payment Information

- Payments can be made in USD or KRW
- Credit card payment is available only through the online registration system
- Accepted cards: VISA, MASTER, JCB, AMEX
- Please use your own credit card
- All credit card service charges are to be paid by the registrants
- The actual charged amount may differ due to exchange rate fluctuations

For information regarding accommodation, travel arrangements, and transportation, please refer to our conference website <https://www.earcome9.org/>

Contacts

Homepage

<https://www.earcome9.org/>

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