

ICMT-4

First Announcement

**Fourth International Conference on Mathematics
Textbook Research and Development**



11-14 Oct.2022

Beijing· China

WEB:www.icmt4.org.cn Email:icmt4@bnu.edu.cn

Organizer:Beijing Normal University (BNU)

About

Textbooks are vital curriculum resources for teaching and learning mathematics in classrooms around the world. They play an integral role in designing learning opportunities for students, supporting students' and teachers' learning, and defining mathematics as a school subject. The development, the reform, the content and the use of textbooks have always been an important theme in mathematics education research. In the past years, an increasing international interest in textbook research and scientifically grounded development of textbooks has been noticeable. Developing an understanding of textbooks and their development and of how they are incorporated into teachers' professional work, how they promote and influence curricular reforms, how they support students' learning have become important endeavors in the field. The challenges of digitalization even emphasize and increase these issues.

In view of this trend, it is our pleasure to announce the Fourth International Conference on Mathematics Textbook Research and Development (ICMT 4) to be held in Beijing (China) from 11 to 14 October 2022.

The Fourth International Conference on Mathematics Textbook Research and Development (ICMT 4) continues the successful series that started in 2014 with the first ICMT held in Southampton (UK) and was proceeded in 2017 by ICMT2 in Rio de Janeiro (Brazil) and in 2019 by ICMT 3 in Paderborn (Germany).

Conference Themes

The conference is about all issues related, but not limited to the history, development, content, use of mathematics textbooks and other curriculum resources in all forms (print, digital, online, hybrid, etc.)

The themes of the conference are:

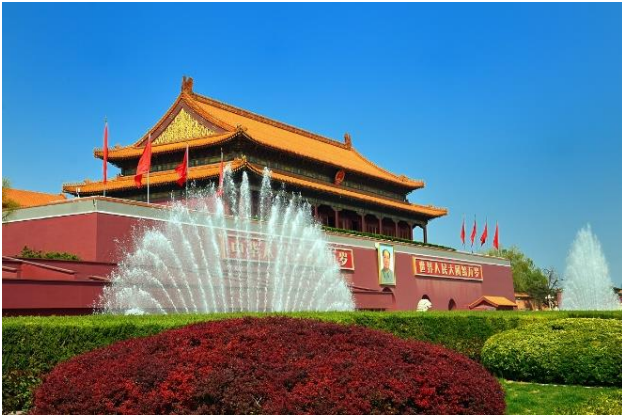
- **Development of textbooks** (concepts, task design, learning-teaching-trajectories, design-based research, digital textbooks)
- **The relationship between curriculum reform and textbook development**
- **Content and language of textbooks**
- **Use of textbooks** (students, teachers, parents, etc.) **and student achievement**
- **Historical-perspectives on textbooks**
- **Comparative studies of textbooks**
- **Textbook policies** (governmental educational policies, distribution and market strategies)
- **Meta Research on Mathematics Textbooks** (issues, methods, directions, etc.)
- **Interdisciplinarity in textbooks**
- **Challenges and roles for textbooks under pandemic context**

ICMT4 Conference Secretariat

For any questions regarding ICMT 4 contact the conference secretariat at

icmt4@bnu.edu.cn.

Conference Venue



As the capital of the People's Republic of China, **Beijing** is the political, economic, cultural and educational center as well as being the most important center in China for international trade and communications. It is also an ancient city with a long history which leaves precious cultural treasure. Visiting the Great Wall, the Forbidden City, the Olympic Park and many other famous places would be worth it. For more information visit <http://english.beijing.gov.cn/>

Beijing Normal University (BNU) grew out of the Education Department of Imperial University of Peking established in 1902, which initiated teacher training in China's higher education. After the development for over a century, BNU has become a comprehensive and research-intensive university with its main characteristics of basic disciplines in sciences and humanities, teacher education and educational science.

At present, the university has established cooperative ties with about 500 universities and international organizations from more than 30 countries and regions. Each year, above 900 international professors and scholars are invited to lecture and research at the University. And BNU has around 2000 long-term international students, the scale of which ranks among top in China's universities. For more information visit <https://english.bnu.edu.cn/>



It contains three influential institutions in mathematics education, which are Faculty of Education, School of Mathematics Science, Collaborative Innovation Center of Assessment for Basic Education Quality and School of Mathematics Sciences. With more than 15 professors in mathematics education hosts one of the largest research groups in mathematics education in China.



Committees of ICMT4

International Program Committee (IPC)

- Chunxia Qi (Beijing Normal University, China) – Chair
- Lianghuo Fan (East China Normal University, China; University of Southampton, UK) – Co-Chair
- Jian Liu (Beijing Normal University, China) – Chair of LOC
- Jill Adler (University of the Witwatersrand, South Africa)
- Marcelo Borba (Universidade Estadual Paulista, Brazil)
- Kwok-cheung Cheung (University of Macau, Macao, China)
- Gabriele Kaiser (University of Hamburg, Germany; Australian Catholic University, Brisbane)
- Frederick Leung (The University of Hong Kong, Hong Kong, China)
- Fou-Lai Lin (National Taiwan Normal University, Chinese Taipei)
- Vilma Mesa (University of Michigan, USA)
- JeongSuk Pang (Korea National University of Education, Korea)
- Birgit Pepin (Eindhoven University of Technology, The Netherlands)
- Anita Rampal (University of Delhi, India)
- Janine Remillard (University of Pennsylvania, USA)
- Angel Ruiz (M, Universidad de Costa Rica, Costa Rica)
- Kenneth Ruthven (University of Cambridge, UK)
- Yoshinori Simizu (University of Tsukuba, Japan)
- Luc Trouche (Ecole Normale Supérieure de Lyon, France)
- Binyan Xu (East China Normal University, China)
- Michal Yerushalmy (University of Haifa, Israel)

Local Organizing Committee (LOC)

- Jian Liu (Beijing Normal University, China) – Chair of LOC
- Jiansheng Bao (East China Normal University)
- Yiming Cao (Beijing Normal University)
- Qin Dai (Inner Mongolia Normal University)
- Zikun Gong (Hangzhou Normal University)
- Yufeng Guo (Beijing Normal University)
- Wei He (Minzu University of China)
- Xiaoya He (South China Normal University)
- Dianshun Hu (Central China Normal University)
- Xiaomei Liu (Capital Normal University)
- Jianbo Wang (Beijing Normal University)
- Shihu Lv (Northwest Normal University)
- Fu Ma (Nanjing Normal University)
- Yunpeng Ma (Northeast Normal University)
- Ida Mok (The University of Hong Kong)
- Guangming Wang (Tianjin Normal University)
- Deqing Yang (National Chiayi University)
- Chunli Zhang (Beijing Normal University)
- Dan Zhang (Beijing Academy of Educational Sciences)
- Guoxiang Zhang (University of Macau)
- Jingbin Zhang (Capital Normal University)
- Weizhong Zhang (Zhejiang Normal University)

Scientific Program and Submission Procedure

Plenaries

The scientific program comprises 5 plenary lectures by invited speakers, and each plenary will last 60 minutes. The information of the speakers is as follows:

- JeongSuk Pang (Korea National University of Education, Korea)
- Janine Remillard (University of Pennsylvania, USA)
- Sebastian Rezat (Paderborn University, Germany)
- Gert Schubring (Federal University of Rio de Janeiro, Brazil)
- Ningzhong Shi (Northeast Normal University, China)

Symposia

Symposia are devoted to a specific theme or issue of textbook research. They are organized by 2 – 3 researchers. Up to 6 hours divided into 3 blocks are available for a symposium. The organizers of a symposium are responsible for the organization within the symposium in terms of scientific formats, speakers, and schedule. Contributions to symposia might be personally invited by the organizers or via an open call on the conference website.

Submission procedure

A proposal for a symposium comprises title, abstract (1500 – 3000 characters), and the names and affiliations of the organizers of the symposium. The proposal has to be submitted via the conference web site. Symposia will be approved by the IPC.

Workshops

A workshop provides the opportunity for joint work with the participants on a specific theme or issue related to textbook development, use, or research or with particular methods. Workshops are organized by 1 – 3 moderators.

A time slot of 120 minutes is available for a workshop at the conference.

Submission procedure

A proposal for a workshop comprises title, abstract (1500 – 3000 characters), and the names and affiliations of the organizers of the workshop. Proposals for workshops have to be submitted via the conference web site. Workshops will be approved by the IPC.

Oral Communications

Oral communications present empirical studies, theoretical essays or methodological contributions. They are not restricted to completed research, but may also report from ongoing studies. Oral communications are organized into 10 tracks:

- 1) **Development of textbooks** (concepts, task design, learning-teaching-trajectories, design-based research, digital textbooks)
- 2) **The relationship between curriculum reform and textbook development**
- 3) **Content and language of textbooks**
- 4) **Use of textbooks** (students, teachers, parents, etc.) **and student achievement**
- 5) **Historical-perspectives on textbooks**
- 6) **Comparative studies of textbooks**
- 7) **Textbook policies** (governmental educational policies, distribution, and market strategies)
- 8) **Meta Research on Mathematics Textbooks** (issues, methods, directions, etc.)
- 9) **Interdisciplinary in textbook**

10) Challenges and roles for textbooks under pandemic context

A time slot of 25 minutes is devoted to an oral communication. The time is divided into 15 minutes presentation and 10 minutes discussion.

An oral communication comprises at least a rationale for the research or theoretical or methodological contribution, a theoretical framework, an explication of methods, and a statement of results. It links to related literature in the field.

Submission and reviewing procedure

Proposals for oral communications are to be written in English. Authors are required to submit title and abstract of the proposal in a first step via the conference website (<http://www.icmt4.org.cn>). After a short approval (of approx. one day) authors can submit a paper of maximum 6 pages, which has to follow the formatting guidelines provided by the conference organizers. A template and guidelines for proposals are available at icmt4@bnu.edu.cn

Proposals for oral communications must be submitted as a MS-Word file via the conference website <http://www.icmt4.org.cn>. The deadline for the submissions of proposals for oral communications is March 15, 2022.

Each proposal for an oral communication is reviewed by two other authors who submitted a proposal. A proposal may be up to 6 pages long and must be in line with the formatting guidelines available at the website. Proposals that do not conform with the formatting guidelines, or exceed the maximum number of pages may be rejected without further consideration or peer review. Authors have the possibility to revise their submission once before the final decision about acceptance will be made.

Each author of an oral communication agrees to review up to two other proposals. Guidelines for review are available at the conference website (<http://www.icmt4.org.cn>). Reviews must be submitted via the conference website.

Poster

The conference program comprises an individual slot of two hours for poster presentations.

A proposal for a poster comprises at least a rationale for the research, a theoretical framework, an explication of methods, and a statement of results. It links to related literature in the field.

Submission and reviewing procedure

Proposals for posters are to be written in English. Authors are required to submit title and abstract of the proposal in a first step. After a short approval (of approx. one day) authors can submit a poster proposal, which may be up to 2 pages long. It has to follow the formatting guidelines provided by the conference organizers. A template and guidelines for proposals are available at <http://www.icmt4.org.cn>.

Proposals for posters must be submitted as a MS-Word file via the conference website <http://www.icmt4.org.cn>.

Each poster proposal is reviewed by two other authors who submitted a proposal. Each author of a poster agrees to review up to two other proposals.

Further Modalities of Submission and Presentation

You are allowed to submit up to one proposal of each type (symposium, workshop, oral communication, poster), as the presenting author. Each conference participant may have his/her name on not more than 4 conference contributions in total.

The language for all types of submissions is English.

The conference language is English. Accepted contributions must be presented in English.

Key dates

	Starts	Ends
Registration	April 1, 2022	Aug 30, 2022
Early-Bird Registration	April 1, 2022	June 30, 2022
Call for Abstracts ▪ Symposia	October 1, 2021	February 15, 2022
Call for Abstracts ▪ Oral Communications, ▪ Workshops, ▪ Posters	November 16, 2021	March 15, 2022
Call for Papers	November 16, 2021	March 15, 2022
1st Review	March 20, 2022	April 30, 2022
Revision of the paper	May 15, 2022	June 15, 2022
2nd Review	June 20, 2022	July 20, 2022
Final Decision about the Acceptance of the Paper:	July 30, 2022	

Travel Information

Beijing Normal University is located in Haidian District, almost in the center of Beijing. Two international airports are available for arriving, Beijing Capital International Airport (BCIA) and Beijing Daxing International Airport (BDIA).

Address: No.19, Xijiekouwai St, Haidian District, Beijing, P.R.China.

Bus Stations: South Gate of Beijing Normal University (Bus 92, 304, 20, 645, etc); Tieshizifen (Bus 22, 88, 135, 331, 345, etc)