



ICMT /2017

II International Conference on Mathematics Textbook Research and Development

II Conferência Internacional em Pesquisa e Desenvolvimento de Livros Didáticos de Matemática Second Announcement

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Research focused on the analysis and development of textbooks (in conventional format or digital media) has recently gained great prominence in the international arena of research in mathematics education. This prominence is reflected, for example, in the **International Conference on School Mathematics Textbooks (ICSMT)**, held in Shanghai in 2011, and in the ZDM special issue (Volume 45, Issue 5, September 2013), on textbooks research in mathematics education.

Also reflecting this trend, the first **International Conference on Mathematics Textbook Research and Development (ICMT-2014)** took place at the University of Southampton (UK), from 29 to 31 July 2014. About 180 participants, from 30 different countries, attended ICMT-2014. ICMT-2014 proceedings are available on <http://eprints.soton.ac.uk/374809/>. Visit also ICMT-2014's official website on: <http://blog.soton.ac.uk/icmtrd2014/>.

It is our pleasure to announce the **II International Conference on Mathematics Textbook Research and Development / II Conferência Internacional em Pesquisa e Desenvolvimento de Livros Didáticos de Matemática (ICMT2)**, to be held from 7 to 11 May 2017, at the Federal University of Rio de Janeiro (UFRJ) and at the Federal University of the State of Rio de Janeiro (UNIRIO), Brasil.

The conference is organized by the Federal University of Rio de Janeiro (Universidade Federal do Rio de Janeiro, **UFRJ**), the Federal University of the State of Rio de Janeiro (Universidade Federal do Estado do Rio de Janeiro, **UNIRIO**), the State University of São Paulo (Universidade Estadual Paulista, **UNESP**) and the Federal University of Pernambuco (**UFPE**). It is supported by the Brazilian Mathematics Education Society (**SBEM**), the Brazilian Society of Mathematics (**SBM**), and the Brazilian Society of Applied and Computational Mathematics (**SBMAC**).

ICMT2 will feature different activities, including plenary lectures, symposia, workshops, oral presentations, posters and special activities addressed to teachers. Accepted and presented papers will be published after a peer-review process in Proceedings following the Conference.



International Programme Committee (IPC)

- ✓ Rúbia Amaral (UNESP, Brazil) - Secretary
- ✓ Ubiratan d'Ambrosio (UNIAN, Brazil) - Honorary President
- ✓ Marcelo Borba (UNESP, Brazil)
- ✓ Rute Borba (Universidade Federal de Pernambuco, Brazil)
- ✓ Marcos Cherinda (Universidade Pedagógica de Moçambique)
- ✓ Lianghuo Fan (University of Southampton, UK) - Co-chair
- ✓ Victor Giraldo (Universidade Federal do Rio de Janeiro, Brazil) - Local Chair
- ✓ Patricio Herbst (University of Michigan, USA)
- ✓ Marja van den Heuvel-Panhuizen (Universiteit Utrecht, Netherlands)
- ✓ Abdellah El Idrissi (École Normale Supérieure de Marrakech, Morocco)
- ✓ Diana Jaramillo Quiceno (Universidad de Antioquia, Colombia)
- ✓ Cyril Julie (University of the Western Cape, South Africa)
- ✓ Gabriele Kaiser (Universität Hamburg, Germany)
- ✓ Alexander Karp (Teachers College, Columbia University, USA)
- ✓ Jeremy Kilpatrick (University of Georgia, USA)
- ✓ Jian Liu (Beijing Normal University, China)
- ✓ Eizo Nagasaki (National Institute for Educational Policy Research, Japan)
- ✓ Michael Otte (UNIAN, Brazil)
- ✓ Johan Prytz (Uppsala Universitet, Sweden)
- ✓ Sebastian Rezat (Universität Paderborn, Germany)
- ✓ Angel Ruiz (Universidad de Costa Rica, Costa Rica)
- ✓ Kenneth Ruthven (University of Cambridge, UK)
- ✓ Gert Schubring (UFRJ, Brazil/Universität Bielefeld, Germany) - Chair

Local Organization Committee (LOC)

- ✓ Lourdes Werle de Almeida (UEL)
- ✓ Rúbia Amaral (UNESP) - Co-chair
- ✓ Franck Bellemain (UFPE)
- ✓ Marilena Bittar (UFMS)
- ✓ Victor Giraldo (UFRJ) - Chair
- ✓ Verônica Gitirana (UFPE)
- ✓ Carmen Mathias (UFMS)
- ✓ João Frederico Meyer (UNICAMP)
- ✓ Cydara Ripoll (UFRGS)
- ✓ Walcy Santos (UFRJ)
- ✓ Fábio Simas (UNIRIO)
- ✓ Ralph Teixeira (UFF)

Plenary speakers

- ✓ **Kay O'Halloran** (Curtin University, Bentley, Australia)
- ✓ **João Bosco Pitombeira** (Universidade Federal de Mato Grosso do Sul, Campo Grande, Brazil)
- ✓ **Ken Saito** (Department of Human Sciences, School of Humanities and Social Sciences, Osaka Prefecture University, Osaka, Japan)
- ✓ **Zalman Usiskin** (University of Chicago, Chicago, USA)
- ✓ **Jianpan Wang** (Jianpan Wang, East China Normal University, Shanghai, China)

Conference themes

- ✓ Textbook research (concepts, issues, methods, directions, etc.)
- ✓ Textbook analysis (characteristics, treatment of contents and/or pedagogy, etc.)
- ✓ Analysis of historical textbooks
- ✓ Textbook use (by teachers, by students, and/or by other parties)
- ✓ Textbooks and student achievement
- ✓ Textbook development (domain/competence analyses, teaching trajectories, task design, format of presenting the “content” to the student, format of presenting the “content” to the teacher (teacher guides))
- ✓ Textbook policies (governmental educational policy about textbooks, distribution, market strategies)
- ✓ Evolution of textbooks in the light of new digital technologies (including integration of ICT tools and innovation, e-textbook)
- ✓ Other disciplines in mathematics textbooks & mathematics in textbooks of other disciplines
- ✓ Other major relevant issues about mathematics textbooks

Modalities of contributions (besides invited lectures)

ICMT 2 will receive contributions, related with the Conference Themes described above, on the following modalities:

- ✓ **symposium** (in English, 180 minutes)
- ✓ **workshop** (in English, 120 minutes)
- ✓ **workshop for teachers** (in Portuguese, 120 minutes)
- ✓ **oral presentation** (in English, 30 minute presentation)
- ✓ **poster presentation** (in English, one time slot, 60 minutes)

A **symposium** is organised by one or more researchers to discuss jointly, based on submitted papers, a specific issue of the thematic spectrum of the conference.

A **workshop** is a kind of activity that allows participants to work (in small teams) around prepared documents, guided by specific questions.

Submissions

Anyone (including university lecturers, school teachers, graduate and undergraduate students) can submit a proposal for any modality of contribution. In general, **each applicant can submit at most two proposals (symposia, workshops, oral presentations, posters) with his/her name as presenting author**. All submissions will be peer reviewed. In order to be included in the Conference Programme, **at least the presenting author must be registered and have paid the registration fee by January 3rd 2017**.

Formats and deadlines

- ✓ symposium: 2 pages proposal, in English, submitted until 15 August 2016;
- ✓ workshop: 2 pages proposal, in English, submitted until 31 October 2016;
- ✓ workshop for teachers: 2 pages proposal, in Portuguese, submitted until 31 October 2016;
- ✓ oral presentation: 1 page abstract, in English, submitted until 31 October 2016;
- ✓ poster presentation: 1 page abstract, in English, submitted until 31 October 2016.

All submissions must comply with the following format guidelines:

- ✓ A4 paper (size 21 cm x 29.7 cm);
- ✓ margins set at 2.5 cm top and 2.5 cm bottom, 2 cm left and 2 cm right;
- ✓ 12pt Times New Roman, single space between lines, and 6pt space after paragraphs.

A template with format details for each modality of submission will be also available on the website. All submissions must be made through the system that will be available on the Conference website. For a full list of deadlines, see **key dates** (below).

Workshops, oral presentations, and posters

Submissions for workshops, workshop for teachers, oral presentations, and posters will go through two stages:

1. **Abstract submission**. Applicants will be first invited to submit abstracts. If accepted, contributions will be included in the Conference Programme, accordingly to the respective modality.
2. **Full paper submission**. After the Conference, authors of accepted contributions will be invited to submit a full paper for publications on the electronic Proceedings. In order to submission a full version, the corresponding contributions must fulfil the following conditions:
 - (a) have abstract accepted;
 - (b) at least the presenting author have registered and paid registration fee;
 - (c) have been presented at the Conference.

Symposia

Researchers interested in proposing a symposium, must first submit a proposal. Then, submissions for oral presentations within the accepted symposium will be opened. Such submissions will then follow the two stages, as described above.

Registration fees

Until January 31st 2017, registration fees will have the following values. After that date, the fees will suffer an increase. New values will be informed in due course. Registrations must be made through the system that will be available on the Conference website.

	with conference dinner	without conference dinner
standard	160,00 €	110,00 €
posgraduate student / school teacher	120,00 €	70,00 €
day rate		30,00 €
accompanying person	75,00 €	50,00 €

Key dates

- ✓ submission of proposals for symposia: August 15th, 2016
- ✓ information about acceptance of proposals for symposia: September 15th, 2016
- ✓ submission of paper abstracts within symposia: October 31st, 2016
- ✓ submission of paper abstracts for oral presentation, workshop and poster: October 31st, 2016
- ✓ information about acceptance of such submissions: December 15th, 2016
- ✓ registration deadline (for presenting authors): January 3rd, 2017
- ✓ conference: May 7th to 11th, 2017

Venue

Rio de Janeiro, also known as Cidade Maravilhosa (Wonderful City), was recently named a World Heritage Site by UNESCO. Despite the city is among the largest urban areas on the planet, it is well known worldwide for its landscapes of exceptional scenic beauty. Its unique geographical location gathers tropical beaches, dramatic mountain ranges, luxuriant rain forest, rivers and waterfalls – all within the urban area.

The area today occupied by the city of Rio de Janeiro was inhabited by different native ethnic groups, including Tamoios, Tupinambás e Maracajás. The city of Rio de Janeiro was officially founded by Portuguese colonisers in March 1st 1565. In 1808, with the arrival of the Portuguese royal family, who fled from Napoleon's troops, Rio becomes the seat of the Portuguese government. With independence in 1822, Rio becomes the capital of Brazil, position occupied until 1960, with the foundation to the current capital – Brasília.

The beaches of Rio de Janeiro - being Copacabana, Ipanema and Barra da Tijuca the most famous ones – extend along an over 30 km long coastline, on south and west sides of the city. Tijuca Forest – a protect area since nineteenth century, and a National Park (see www.parquedatijuca.com.br) since 1961 – keeps valuable remnants of their original ecosystems, native flora and fauna. Lying inside the urban area of Rio de Janeiro, Tijuca National Park is regarded as the largest urban forest in the planet. Other not-to-miss touristic spots are: Corcovado Mountain with Christ the Redeemer Statue (www.corcovado.com.br); Sugar Loaf and its cable car (www.bondinho.com.br); the Botanical Garden (www.jbrj.gov.br) with a remarkable collection including rain forest native and rare species; São Cristóvão Market (www.feiradesaocristovao.org.br), an open market with typical food, art craft and music from the northeastern region of Brazil.

Rio de Janeiro offers a wide hotel network, with accommodation options suitable for all budgets. The city has also a rich range of restaurants of different trends, from traditional Brazilian food to international contemporary cuisine. Lapa district, in the central area of the city, is probably the most vivid nightlife spot, with several restaurants, bars, and places for live music, especially samba and typical Brazilian rhythms. Rio de Janeiro has a population of around 6 million, and is currently the most visited city in Latin America. It receives 4.5 million tourists each year.

For further information, visit: <http://www.rio.rj.gov.br/web/riotur/>.

Visa Information

Citizens from most of Latin American and European countries do not need to apply to visas to short-term visits to Brazil. Visas are required for US citizens, as well as citizens from some African and Asian countries.

Vaccinations may also be required.

For further information, please consult Brazilian consulates in your country of origin, and see: <http://www.portalconsular.mre.gov.br/>.