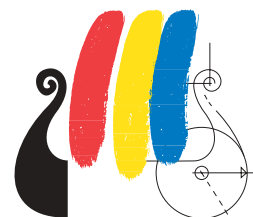


# Practical Information



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**Venue.** All of the Congress activities will take place at the Technical University of Denmark, located in Lyngby, some 10 km north of the centre of Copenhagen.

**Costs.** The registration fee is expected to be around DKK 2700 (1 USD is about 8 DKK). As costs are relatively high in Copenhagen we have secured sufficient low budget accommodation such as home stays and dormitories. This means that expenses can be kept at approximately DKK 300 per day including meals and transportation.

**The second announcement** of ICME-10 (with registration forms and all essential information) will be available in the autumn of 2003. If you wish to receive it, please register on-line at the conference web site (see below).

**Conference web site.** Prospective participants are advised to take notice of the conference web-site <http://www.icme-10.dk> which will be the main source of information on the Congress. The web site will be regularly updated before, during, and after the Congress. Interested participants with impossible or difficult access to the Internet may request the Programme details (available now) and /or the 2<sup>nd</sup> announcement (available in the autumn of 2003) in print by writing to the following address:

**Address of the Congress Secretariat**  
ICME-10  
Congress Consultants  
Martensens Allé 8  
DK-1828 Frederiksberg C  
Denmark



First Announcement



*Gerd Brandell*  
Chair, NCC  
Sweden



*Morten Blomhøj*  
Chair, LOC  
Denmark

**What is an ICME?** The International Congress on Mathematical Education (ICME) is held every four years under the auspices of the International Commission on Mathematical Instruction (ICMI). It is, however, planned and organised by separate committees, which operate independently of the ICMI. The aim of the Congress is to present the current states and trends in mathematics education research and in the practice of mathematics teaching at all levels.

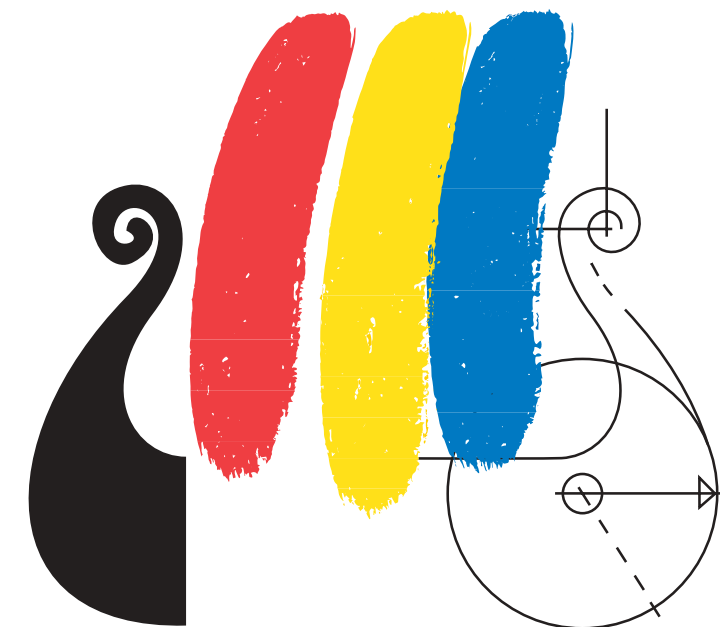
The Congress will gather a broad spectrum of participants, such as researchers in mathematics education, teacher trainers, practising teachers, mathematicians, and others interested in mathematics education.

**Organisation of ICME-10.** ICME-10 will take place in Denmark, but is based on co-operation between Denmark, Finland, Iceland, Norway, and Sweden. A Nordic Contact Committee (NCC) has been established with support of the organisational work of the Congress as its principal aim.

The organisational planning and the financial aspects of the Congress are handled by the Local Organising Committee (LOC), which represents all levels of the Danish educational system and the NCC.

On behalf of the LOC and the NCC we are very much looking forward to welcoming you to ICME-10 in Copenhagen 2004.

# 10th International Congress on Mathematical Education



I C M E  
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**July 4-11 2004**  
**Copenhagen, Denmark**

[www.ICME-10.dk](http://www.ICME-10.dk)

# A Word of Welcome from the IPC



Mogens Niss,  
Chair of the International  
Programme Committee

The International Programme Committee (IPC) for ICME-10 would like to extend its warmest greetings to all readers of the First Announcement. The IPC is doing its very best to put together a rich, varied and multi-faceted scientific programme for the Congress, with the aim of attracting and addressing the entire community of researchers and practitioners in mathematics education from all over the world. It is our ambition to provide food for thought and inspiration for practice to the established mathematics educator of world renown and to the novice in the field attending an ICME for the first time, and to everyone else who takes an interest in mathematics education.

In the programme structure of ICME-10, we have attempted to combine the best of the traditional components which have served to make the past ICMEs the great successes they were, with a number of novel components and features which are intended to accommodate new needs and to address the changes that mathematics education as a field of research, development, and practice is currently undergoing.

The main components of the scientific programme are outlined below. A few others are likely to be added at later stages. In this Announcement, no names of speakers or group organisers will be given. As soon as decisions have been made and invitations accepted, names will appear on the ICME-10 web site. Questions and proposals concerning matters pertaining to the programme should be addressed to the Chair of the IPC.

The observant reader will notice that certain themes are dealt with by means of several different programme formats. This is deliberate, and reflects the expectation that these themes will appeal to different categories of delegates and therefore call for a variety of different approaches.

We, in the IPC, look forward to seeing you at ICME-10!

Mogens Niss,

Chair of the International Programme Committee

## Members of the IPC

Jill Adler,  
Republic of South Africa

Abraham Arcavi, Israel

Michèle Artigue, France

Bill Barton, New Zealand

Hyman Bass, USA  
Member Ex Officio,  
President of ICMI

Christer Bergsten, Sweden

Ole Björkqvist, Finland

Morten Blomhøj, Denmark  
Chair of the Local  
Organising Committee

Marcelo de C. Borba,  
Brazil

Mariolina Bartolini Bussi,  
Italy

Nikolai Dolbilin, Russia

Joan Ferrini-Mundy, USA

Hiroshi Fujita, Japan

Gunnar Gjone, Norway

Bernard Hodgson, Canada  
Member Ex Officio,  
Secretary of ICMI

Suat Khoh Lim-Teo,  
Singapore

Mogens Niss, Denmark  
Chair of the International  
Programme Committee

Kyungmee Park, Korea

Teresa Rajano, Mexico

Wilfried Schmid, USA

Yuxin Zheng, China

# Main Programme Components

Below we briefly describe the main components of the scientific programme. More details on the programme, including lists of themes etc., are available on the Congress web site (see 'Practical Information').

**Plenary Activities.** Plenary lectures, an interview session with 3-4 senior mathematics educators, and a panel debate on the theme "Mathematics education for whom, and why? The balance between mathematics education 'for all' and 'for high level mathematical activity'".

**ICME-10 Survey Teams.** As an innovative feature of ICME-10, it has been decided to appoint a number of small ICME-10 Survey Teams. Each team will work until the Congress surveying the state-of-the-art with respect to a certain theme or issue, with particular regard to identifying and characterising important new knowledge, recent developments, new perspectives, and emergent issues. The outcomes of the work of each Survey Team will be presented in a plenary or regular lecture at the Congress. The creation of these teams is intended to strengthen the emphasis in the programme on new developments since the last ICME.

**Regular Lectures.** Lecturers will present on invitation from the IPC.

**Topic Study Groups.** A TSG is designed to gather participants who are interested in attending presentations (and discussions) on a particular topic of mathematics education. A total of 29 topics have been selected. Organisers are invited by the IPC.

**Discussion Groups.** A DG is designed to gather participants who are interested in interactively discussing certain challenging or controversial issues and dilemmas in mathematics education. A total of 24 issues have been selected. Organisers are invited by the IPC.

**Thematic Afternoon.** During one afternoon, the scientific programme will be organised into a limited number of overarching themes of general interest to mathematics educators. The themes, which will run in parallel, will take the shape of mini-conferences, comprising both sub-themes that focus on research and development, and sub-themes that focus on issues and problems. Organising teams will be appointed for each theme.

**Workshops.** Hands-on workshops will be set up to enable delegates to learn or try something new. By proposal to the IPC.

**Sharing Experiences Groups.** An SEG is a small interactive group gathering to exchange and discuss experiences pertaining to research and/or teaching. By proposal to the IPC.

**Posters and Round tables.** Participants are invited to submit proposals for the display and presentation of posters. Round tables will address a group of posters developed on the same theme.

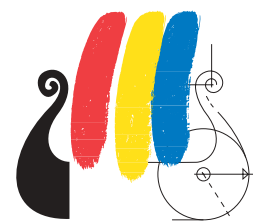
**National Presentations.** For a number of given countries, representatives of each country will make a presentation on the state and trends in mathematics education in that country, possibly accompanied by an exhibition, video shows, cd-roms etc.

## Submissions and Proposals

Presentation of papers will take place only within one of the programme components mentioned in this Announcement.

Organisers will be appointed for each of the different items in the programme and all submissions of papers or proposals should be addressed directly to them. Until then, submissions or proposals may be sent to the Chair of the International Programme Committee.

For several reasons it will not be possible for all papers that have been accepted by the organisers to be presented orally at ICME-10. For such papers, the Presentation by Distribution scheme, which was invented for ICME-9, will also be implemented at ICME-10. This is to ensure that all papers will be made available to all participants in the relevant groups.



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