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COMMISSION INTERNATIONALE DE L'ENSEIGNEMENT MATHÉMATIQUE

(THE INTERNATIONAL COMMISSION ON MATHEMATICAL INSTRUCTION)

ICMI Awardees Multimedia Online Resources (AMOR) making the main trends in math education more visible

icmiamor.org

This project, initiated by Jean-Luc Dorier within the Executive Committee of ICMI, aims at building online resources reflecting highly significant and influential research in mathematics education at an international level, that could serve as a reference not only for researchers in the field, but also for educators, teachers, curriculum developers and policy makers and other agents in the field. In particular, the project could serve as a basis for a PhD training program and induction into mathematics education research.

ICMI was formed more than a century ago (see www.mathunion.org/icmi/organization/historical-sketch-icmi) and international events like the International Congress on Mathematics Education (ICME, www.mathunion.org/icmi/conferences/icme-international-congress-mathematical-education) have been held since 1969. Mathematics education research does not have an equally long history and is a rather young field of research, with its roots often embedded in local contexts. However, one can say that the field is now at a turn of

its history when there is a need for a set of references with theories, methodologies, results and fields of investigation that the community can claim as the most important trends.

Of course, this begs the question as to how to select which are the most important trends to be represented, at least initially. Since 2003 ICMI has honored outstanding individuals every second year with two awards (www.mathunion.org/icmi/awards/icmi-awards):

- The Felix Klein Award (www.mathunion.org/icmi/awards/felix-klein-award-lifetime-achievement-mathematics-education-research), named after the first president of ICMI (1908–1920), honours a lifetime achievement.
- The Hans Freudenthal Award (www.mathunion.org/icmi/awards/hans-freudenthal-award-outstanding-contributions-individuals-theoretically-well), named after the eighth president of ICMI (1967–1970), recognizes a major cumulative program of research.

In order to build our resources ICMI has decided to focus on each Klein and Freudenthal ICMI Awardee, through what we have called the AMOR (Awardees Multimedia Online Resources) project (A more recent award Emma Castelnuovo is not strictly research oriented but more on practice so we have not included it in our quest).

Here is a table of all the awardees to date (following this link www.mathunion.org/icmi/awards/recipients-icmi-awards you can access the citation of all awardees).

	Felix Klein Award	Hans Freudenthal Award
2003	Guy Brousseau	Celia Hoyles
2005	Ubiratan D'Ambrosio	Paul Cobb
2007	Jeremy Kilpatrick	Anna Sfard
2009	Gilah Leder	Yves Chevallard
2011	Alan Schoenfeld	Luis Radford
2013	Michèle Artigue	Frederick Leung
2015	Alan Bishop	Jill Adler
2017	Deborah Ball	Terezinha Nunes
2019	Tommy Dreyfus	Gert Schubring

ICMI AMOR project is a long-term project that is built for the prosperity and history of Mathematics Education research. In 2017, and for practical reasons, Jean-Luc Dorier started with the three French awardees. He contacted: Annie Bessot and Claire Margolinas for Guy Brousseau, Marianna Bosch for Yves Chevallard and Michèle Artigue herself. The five of them have since worked regularly in order to give shape to the project. They made different choices and decided on the frame of the project. Recently, Abraham Arcavi joined the project and has begun work on the Anna Sfard Unit with Anna herself.

Each unit is devoted to one awardee and consists of a series of 8 to 12 modules between 10 and 30 minutes up to a total of 120–180 mins of videos. One module is basically a slide presentation with a speaker visible in the right below corner (sometimes full screen). The speaker can be, but is not necessarily, the awardee him/herself. There can also be variation from one module to the other or even within the same module. A range of additional multimedia, including films, animations can be used. No doubt new media formats will emerge over time.

The idea is that each module gives some keys to help reading some research papers which are given as much as possible as free access resources attached to each module. There is also a global selected bibliography of the awardee's work and of connected researchers.

An introductory module (Module 0) on each awardee presents some biographical and scientific elements of the background of the awardee. All the videos are in English, like most of the text. But some texts in other languages will sometimes be available.

At the moment, Michèle Artigue Unit is complete. Guy Brousseau Unit has more than half of its planned content online. Yves Chevallard and Anna Sfard units are on their way and some contacts have been made with other awardees. We will try build the many units and modules as fast as possible but as can be imagined, the development of a unit takes time and not all awardees will have their resources online immediately.

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COMMISSION INTERNATIONALE DE L'ENSEIGNEMENT MATHÉMATIQUE

(THE INTERNATIONAL COMMISSION ON MATHEMATICAL INSTRUCTION)

Renewal of the ICMI Executive Committee

Despite the fact that ICME14 has been postponed (see below) the General Assembly of ICMI, which was supposed to take place just before the opening of ICME14 in Shanghai, was organised electronically over a 24h period of time between 13th and 14th of July. One of the main issues was the election of the new ICMI Executive Committee by the 84 ICMI country representatives.

This new committee will be in service from 1st January 2021 for 4 years, it is composed of:

President:	Fredrick K. S. Leung	(Hong Kong, SAR, China)
Vice-presidents:	Merrylin Goos	(Australia – Ireland)
	Anjum Halai	(Pakistan)
Secretary general:	Jean-Luc Dorier	(Switzerland)
Members at large:	Marta Civil	(USA)
	Patricio Felmer	(Chile)
	Mercy Kazima	(Malawi)
	Nùria Planas	(Spain)
	Susanne Prediger	(Germany)

Moreover, the ex-president of ICMI, Jill Adler (South Africa), as well as the president and the secretary general of IMU, Carlos E. Kenig (USA) and Helge Holden (Norway) are members ex-officio.

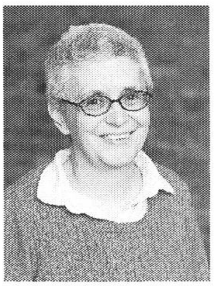
Paolo Piccione (Brazil) is the liaison person for IMU.

Fredrick K. S. Leung

Jean-Luc Dorier

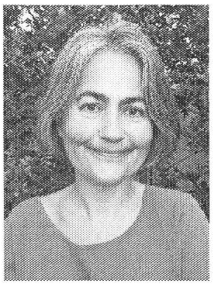
Merrylin Goos

Anjum HALAI


Marta CIVIL

Patricio FELMER

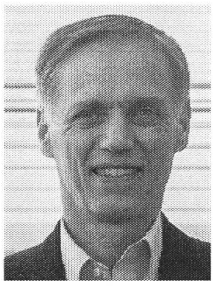
Mercy KAZIMA


Nùria PLANAS

Susanne PREDIGER

Jill ADLER

Carlos E. KENIG


Helge HOLDEN

Paolo PICCIONE

ICME-14 postponed to July 2021

Due to the global pandemic caused by COVID-19, ICMI and ICME14 organizing committee have decided, after careful discussion and consultation, to postpone the original session and hold ICME14 during *July 11th–18th, 2021* at East China Normal University (Putuo campus).

Relevant arrangements are summarized as follows:

(1) All executed practices continue to be valid (including registration, contributions, payment, TSG paper and poster's review and acceptance and etc.)

(2) Registration system remains open all along during this state of emergency.
Address for registration is `https://reg.icme14.org/login`.

(3) Payment channel will re-open on *September 1st, 2020.*

- Fully paid before (inclusive) March 31st, 2021, RMB 3500;
- Fully paid between April 1st and May 31st, 2021, RMB 3800;
- Paid on and after June 1st, 2021, RMB 4000;
- Accompanying person's registration, any time, RMB 1000.

(4) Submission channel for TSG papers and posters will re-open on *August 1st, 2020.* We consider that in a year's time, researchers are likely to refine or come up with new research

advances and results, or polish the paper to a higher quality. Therefore, a participant whose poster has been accepted is allowed to withdraw it and re-submit a paper. For detailed operation instructions please see updates on our website.

(5) New proposals for organizing Discussion Groups and Workshops are also welcome. Please send emails to DG@icme14.org and WS@icme14.org respectively to submit a proposal.

(6) Application for Solidarity Fund will reopen on *November 1st, 2020.* The new round of application is only open to attendees who have never submitted an application before. For application form, please see https://www.icme14.org/static/en/news/60.html?v=1590631349483.

Applicants who have submitted application forms last year are requested not to submit them again.

But if

(1) the grade of your contribution has changed, e.g., from poster to paper; or

(2) your identity has changed, e.g., from normal attendees to invited participants, including Invited Lecturers, team members of Plenary Panels, Survey Teams and Topic Study Groups, or become contributors or proponents of TSG, National Presentation, Discussion Groups, Workshops and Thematic Afternoon, please inform us by emailing to grant@icme14.org with your name and ID number included.

(7) Registered participants are appreciated to send a confirmation letter of your attendance on ICME-14 in 2021 to reg@icme14.org before October 31st (instead of June 30th in our earlier announcement).

For more details and latest news please stay tuned to the updates on www.icme14.org.