

# ICMI Column

Jean-Luc Dorier (Université de Genève, Switzerland)

## ICME-14 postponed to July 2021

Due to the global pandemic caused by the new coronavirus disease (COVID-19), ICMI and ICME-14 have decided, after careful discussion and consultation, to postpone ICME-14 by one year.



The details relating to the conference organisation, including information for those already registered, will be announced as soon as possible. A “frequently asked questions” factsheet can be found on the ICME-14 and ICMI websites (<https://www.icme14.org/>).

While the one-year postponement of ICME-14 poses many challenges, ICMI and ICME-14 believe this is the solution to ensure the fully fledged and successful realisation of this important conference.

ICMI and ICME-14 sincerely apologise to all concerned for the consequences of this unfortunate and dramatic development.

## ICMI General Assembly is maintained

Although ICME-14 has been postponed to July 2021, a main item of the General Assembly, which was supposed to occur just before the opening ceremony of ICME-14, is the election of the new ICMI Executive Committee (EC). This must take place this year to enable the new EC to take up office on 1 January 2021.

Given the current global situation, the only option ICMI has is to hold the election electronically. The current ICMI EC has thus decided to hold the election in July 2020 as planned. Since all previous elections have taken place during a General Assembly, some adjustments will need to be made this time; simultaneously ensuring the adherence to the Terms of Reference within which ICMI operates. Following the procedures carefully will ensure that we will hold a fair, transparent and secure process.

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

<http://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 <https://www.mathunion.org/icmi/organization/historical-sketch-icmi>) and international events like the International Congress on Mathematical Education (ICME <https://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 (<https://www.mathunion.org/icmi/awards/icmi-awards>):

- The Felix Klein Award (<https://www.mathunion.org/icmi/awards/felix-klein-award-life-time-achievement-mathematics-education-research>), named after the first president of ICMI (1908–1920), honours a lifetime achievement.

- The Hans Freudenthal Award (<https://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 <https://www.mathunion.org/icmi/awards/recipients-icmi-awards> you can access the citation of all awardees).

	<b>Felix Klein Award</b>	<b>Hans Freudenthal Award</b>
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.