



**42nd Annual Meeting of the North American Chapter of the  
International Group for the Psychology of Mathematics Education  
Mazatlán, México, 2020**  
<http://2020.pmena.org>

## **Call for participation and papers**

Join us in beautiful Mazatlán, Sinaloa, México from the 14-18 October, 2020 for the 42nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA 42). After twelve years, we are happy to welcome back the conference to Mexico and have the honor to host our colleagues from Canada and the USA.

Past PME-NA conferences held in Mexico were:

- 1990 Oaxtepec: Joint Meeting PME 14 – PME-NA 12
- 1999 Cuernavaca: PME-NA 21
- 2006 Mérida: PME-NA 28
- 2008 Morelia: Joint Meeting PME 32 – PME-NA 30

The major goals of PME-NA are:

- To promote international contacts and the exchange of scientific information in the psychology of mathematics education.
- To promote and stimulate interdisciplinary research in the aforesaid area, with the cooperation of psychologists, mathematicians and mathematics teachers.
- To further a deeper and better understanding of the psychological aspects of teaching and learning mathematics and the implications thereof.

## Theme of the conference: Across cultures

We consider that a way to promote the exchange and enrichment of mathematics education research is to look at its manifestations across different cultures, places and contexts. This is the focus of our 2020 conference, where we hope to have an encounter of cultures, as well as forms of research in mathematics education:

Across various cultures...

- of *languages, nationalities, communities, ethnicities*,
- of *genders*,
- of *indigenous people and migrants*;
- of different *abilities*;
- of different *generations*;
- of *teachers, researchers, policy-makers and parents*;
- of *school types*: urban vs. rural, multigrade, etc.; and
- of *classroom cultures and modalities*: from traditional teaching to “new” classroom cultures: e.g., flipped classrooms, distance education, etc.;
- of *technologies and tools*: from pencil-and-paper, to the digital and connected;
- of *math and other disciplines* (multi-, inter- and trans-disciplinarity): e.g., STEAM, math and environmental sciences, etc.;
- of *research*: different strands of PME-NA research, including cognition, neuroscience, ethnography, and new types of research.

In other words, we look forward to an academic exchange that will reflect the ample diversity of ways of teaching and learning of mathematics, and of the tools and communities involved in mathematics education; as well as explore how the differences in cultures imply a need to consider how research results can be taken into account in varying contexts.

Through all of the above, we hope to honor the major goals of PME-NA.

Co-chairs:

Ana Isabel Sacristán, Cinvestav, Mexico

José Carlos Cortés, AMIUTEM, Mexico

## Types of contributions

(Please consult our website – <http://2020.pmena.org>– for more specific submission details and requirements)

Session & Document Type	Page Limits	Abstract Limit	Proposal Due Date	Final Paper Due Date
Research Reports	8 pages	10 lines	February 14, 2020	June 15, 2020
Brief Research Reports	4 pages	10 lines	February 14, 2020	June 15, 2020
Posters	1 page	No Abstract	March 1, 2020	June 15, 2020
Working Groups	2 pages	15 lines	March 1, 2020	June 15, 2020
Research Colloquia	2 pages	15 lines	March 1, 2020	June 15, 2020

Proposals can be submitted in English, Spanish or French. Final papers will need to be in English, and optionally in any of the two other languages as well.

### **Research Reports**

Research Reports are intended for reporting on complete research of the highest caliber. The paper should discuss the following items (as applicable): (a) objectives or purposes of the study; (b) perspective(s) or theoretical framework; (c) methods or modes of inquiry (including participants, contexts, data collection and analysis, etc.); (d) results; and (e) discussion and/or conclusions.

### **Brief Research Reports**

Brief Research Reports are intended for reporting on research that is in process or of a preliminary nature, such as sharing preliminary results from a larger research study or reporting initial findings from a study that has not been completely analyzed. Brief Research Reports should address the same items as Research Reports, at least as appropriate: (a) objectives or purposes of the study; (b) perspective(s) or theoretical framework; (c) methods or modes of inquiry (including participants, contexts, data sources and analysis, etc.); (d) results; and (e) discussion and/or conclusions.

### **Posters**

Poster sessions are designed to encourage the exchange of ideas. A Poster Presentation is a visual display depicting a research project, developed software, curricular innovation, educational program, or other item of interest to members of PME-NA. Posters should include a description of the conceptual or theoretical perspective, the research question(s) and design, data collection techniques and analyses, and a summary of findings.

### **Working Groups**

Working Groups provide an opportunity for individuals to come together for a significant period of time to discuss issues pertaining to a particular area of research.

A working group focuses on an emerging or new research topic of substantial interest within the PME-NA community; has a clear goal and a strategy to reach this goal in collaboration with the participants; includes structural opportunities for contributions by the participants to reach the goal; involves only a minimum of planned presentations to stimulate the specific collaboration or exchange; is provided by at least two researchers who are actively working within the research topic.

Working groups that have been meeting for multiple years and are at a position to share what they have been working on, are invited to submit a proposal for a Research Colloquium instead.

### **Research Colloquia**

A Research Colloquium focuses on a research topic of substantial interest within the PME-NA community that has been developed during multiple previous PME-NA (or PME) working groups; involves longer planned presentations to share what has been done in previous meetings within the group; is provided by at least two researchers who are actively working within the research topic; allows for time at the end of each of the sessions for participants to share their thoughts and ideas or ask questions about the work that has been created (it is recommended that the organizers consider sharing areas that would allow for some exchange of ideas, but this is not the focus of the colloquia).