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IV International Meeting of Mathematical Education

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Sharing the motto "Mathematics is Everywhere" and its icon "The crane" symbolizes honesty, maturity, the judgment that ensures the growth of all in spite of unseasonable winds and integrity, the objective of the IV International Meeting on Mathematics Education (IV IMME) is to create and maintain a space that privileges and promotes the culture of mathematics, reflection, and discussion on education and the application of mathematics, statistics, its history, evolution and didactics, and its interrelationship with science. At the meeting, researchers, scientists, and mathematics teachers socialize research results, consolidate networks for the exchange of successful experiences, with the purpose of strengthening mathematics education at different educational levels, promoting innovation, and fostering the creation of educational policies, models, strategies, tools and techniques, in various areas of knowledge and encouraging students' interest in research.

This academic space has been maintained, so in the first semester of 2017, the First International Mathematics Education Meeting (I IMME) was held, with the presence and participation of teachers, students, and professionals from a different university, basic, and secondary education institutions. During the Summit, researchers carry out activities such as master conferences, short lectures. In this year 2020, the IV IMME incorporates mathematical culture and language development as a means to promote creative and mathematical thinking, so this version develops the mathematical story contest in preschool, children, university, adult, and senior categories, as well as the presentation of posters, the development of geometric murals, the recognition of mathematical educators who graduated from the master's degree in mathematical education, the development of elements through origami, mosaics, and paintings, training and master courses. The IV IMME enabled educators and researchers to learn and connect with the international mathematical modeling and applications community and thus to promote advocacy in this field.

In 2020 the IV International Meeting on Mathematics Education (IV IMME) is articulated with the awarding of the Medal μi - UFPS, "Medal for Research and Innovation in Mathematics Education". Through a day of recognition of professors, researchers, and graduates with high quality and products of research and innovation, in order to recognize the great academic value it has for the Universidad Francisco de Paula Santander (UFPS), San José de Cúcuta, Colombia, in its contribution to training in research, innovation and/or artistic and cultural creation in the last two years, with the direction or codirection of master's theses and meritorious mode, the generation of knowledge and its intellectual production in terms of authorship, co-authorship in the publication of articles from indexed journals, book chapters, lectures. Thus, educators in mathematics were recognized, a prize for the female educator in mathematics as a tribute to the role of women in science, a prize for inclusion, and a prize for directors who have developed advances in science and technology by strengthening the research of groups in the

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Master's program in mathematical education at the Universidad Francisco de Paula Santander, San José de Cúcuta, Colombia.

Since 2017, the community, especially the students and graduates of the Master's program in mathematics education have participated and strengthened their action thanks to the meetings and networks that this event fosters, on an annual basis, thus achieving, each year, the integration of researchers, students, teachers, and businessmen from countries such as Colombia, Argentina, Belgium, Ecuador, Mexico, Chile, Spain, Venezuela, Italy, Brazil, among others. It is a valuable opportunity for educators and researchers in mathematics from all over the world to learn more about the development in the promotion of mathematics education, he said that the generation of knowledge is framed in the way of understanding the world, in the logic that is always understood from the perspective of the author, in education research showed the dissemination of knowledge, the generation of models and applications in science.

The International Meeting on Mathematics Education (IMME), since its first version, has had the purpose of promoting the scientific productions of the professionals, projects of scientific analysis of complex data in multidisciplinary situations, fulfilling one of the strategic objectives of the university, therefore the diffusion of the advances and results of the research, of the mathematical education and of the engineering, that allows to strengthen the academic programs and contributes to the integral development of the students and future professionals. The International Meeting on Mathematics Education in its fourth version is commemorated on the International Day of Mathematics, March 13 and 14, 2020, in the city of San José de Cúcuta, Colombia. The International Day of Mathematics (IDM), a worldwide celebration in Each year on March 14 all countries participated through activities for both students and the general public in universities, schools, museums, libraries, and other spaces. The IV International Meeting on Mathematics Education (IV IMME) with the presence of the Ph.D. Alfredo Torres Carrillo, maximum representative of education in Colombia with themes in critical pedagogy and its incorporation in mathematical education. This academic space had been maintained, and for this reason, the first semester of 2017 had an I International Meeting on Mathematics Education (I IMME), which had the active participation of teachers, students, and professionals from a different university. The meeting allowed educators and researchers to learn and connect with the international mathematical modeling and applications community and thus boost promotion in this field.

Researchers participating in the meeting stated that the generation of knowledge was framed in the way of understanding the world, in the logic that is always understood from the perspective of the author, from the viewpoint and current generation, because the generation frames the way of being in the world and becomes dominant or hegemonic, in education research showed the dissemination of knowledge that explained phenomena of human behavior through scientific dissemination modify the way of behaving, so the academic work disseminated contrasted the practice and reality that is desired to modify.

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Invited Speakers

- Edward Brouwer KU Leuven, Belgium
- José Eduardo Silva Arellano Universidad de Colima, Mexico
- Jaime Alberto Bricio Barrios Universidad de Colima, Mexico
- Elena Elsa Bricio Barrios Instituto Tecnológico de Colima, Mexico
- Santiago Arceo Díaz Instituto Tecnológico de Colima, Mexico
- Derling José Mendoza Velazco Universidad Nacional de Educación, Ecuador
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- José Alexander Contreras Universidad Nacional Experimental del Táchira, Venezuela
- Eduardo Ibargüen
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- Alfonso Torres Carrillo Universidad Pedagógica Nacional, Colombia

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- Universidad Francisco de Paula Santander

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Vigilada Mineducación



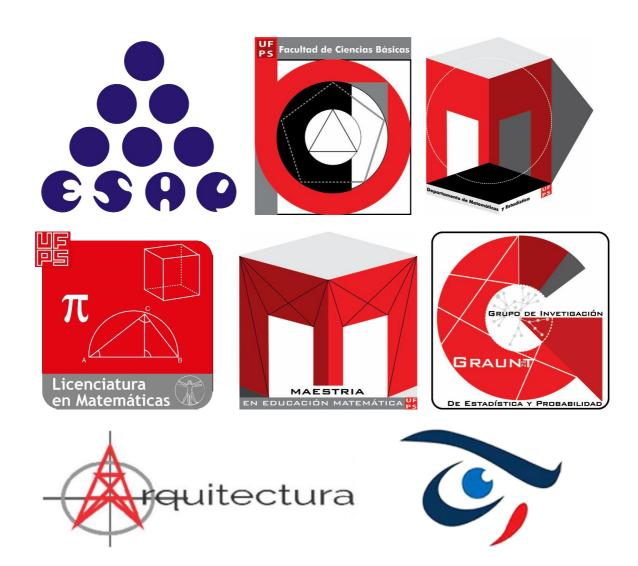




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