

## **Information about CIEAEM 71 and presentation of the Volume** **Informations sur la CIEAEM 71 et présentation du Volume**

The 71st CIEAEM conference was held from 22nd to 26th July 2019 at the Instituto de Educação da Universidade do Minho, Campus de Gualtar, Braga. Several participants from many countries all over the world, actively participated to the Conference. The Theme "*Connections and understanding in mathematics education: Making sense of a complex world*" was really appreciated by participants; researchers, teachers, educators, and students worked together in the true of CIEAEM spirit, with a collaborative and inspiring attitude.

*How can we re-conceptualise learning with understanding in a complex world?, What kind of mathematics training should teachers have in order to be able to promote learning with understanding?, In relation to connections and understanding, what kind of teaching methods are more appropriate?, How do we evaluate and/or research the resources from the perspective of the connections and the understanding they try to promote?, How can ICTs contribute to learning rich in connections, in an increasingly complex world?, How can ICT be used in teacher training to promote understanding in mathematics?, Is it possible to understand peoples' lives from an ethnomathematics perspective?, How can school mathematics take into account the culture developed by young people in their everyday lives?, How to take advantage of cultural aspects to enrich the teaching and learning of mathematics?*

These are only some of important questions on which all the participants had the possibility to fruitfully discuss in critical and constructive ways.

Many of the Conference participants were also authors of significant papers presented during the working groups, workshops, and poster (forum of ideas) activities. This volume contains all final versions of these papers.

We thank all the contributors and all the participants to the conference and we are grateful to Pedro Palhares and all the members of the International Programme Committee and the Local Organizing Committee for the realization of the 71st CIEAEM conference. Particularly we want to thank the Working Group animators, who, as in previous CIEAEM meetings, worked in a well high-quality way.

March, 2020

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