



International Congress on Industrial and Applied Mathematics in Valencia

The ICIAM closes a week in which the future of Mathematics has shone

- **According to the organizers, the congress ends on a very positive note, both in scientific and social terms, in a week in which the diverse applications of mathematics to industry have been explained.**
- **Tomás Chacón, president of the Organizing Committee, and Rosa Donat, president of SEMA, highlight the satisfaction of all the attendees and the importance of this congress for applied mathematics in Spain.**
- **Alfio Quarteroni, president of the Scientific Committee: "Mathematics will adapt to changes in the industry and will follow the current of innovation".**

Valencia, July 19th 2019. The International Congress of Industrial and Applied Mathematics 2019 (ICIAM), held in Valencia, marks today the end of a week in which the infinite applications of mathematics have shone. Close to the closing ceremony of the congress, which will take place this afternoon, the organizing committee can already say that the ICIAM2019 has been a success.

"You can see it in the environment: all the attendees are happy and have not stopped exchanging knowledge and ideas," says Tomás Chacón, president of the Organizing Committee of the congress, on the satisfaction of the more than 4,000 attendees who have come from almost a hundred countries. Rosa Donat, member of the Organizing Committee of ICIAM2019 and president of the Spanish Society of Applied Mathematics (SEMA), say that "mathematicians have enjoyed the conferences and the city a lot, I would go as far to use the adjective *phenomenal* to describe the note on how well the congress has ended. "

It is also evident in the impact that the congress has had in the media, "an enormous response that we appreciate because the importance of mathematics to society must be conveyed" says Chacón. As a sign of that concern of bringing these mathematical advances to society, yesterday the public conference on mathematics and oncology by Víctor M. Pérez-García took place at the Palau de les Arts, where attendees of the congress and all Valencians who wanted to go heard about how mathematics helps improve research in medicine.

As the president of the Scientific Committee of the Congress, Alfio Quarteroni, reminds us that medicine is one of the many sectors in which the importance of applied mathematics has been appreciated throughout the week: "In the technological companies, sports, banking, industrial processes and social networks, energy exploration, artificial intelligence and automated learning, data management and in almost infinite more, mathematical tools are essential ". At ICIAM2019, it has become clear that "not only do mathematicians perceive it, but also many witnesses to the industry, where they are key to bringing innovation," says Quarteroni.

In addition to taking stock in scientific terms, if we look at the mathematics of the future, Quarteroni is clear: "In addition to continuing to investigate in pure mathematics, we must adapt to the coming changes in industry and follow this current of innovation so as to be applied to the needs and dynamics of society too. "

Chacón also highlights the essential role of the organizing committee, "made up of 70 people from all over Spain who have worked hard since 2013." A collaboration which extends to "the entire Spanish community of applied mathematics, for which ICIAM2019 has reinforced as a solid society with a huge capacity and a solid structure as well as possessing copious international relations". For Donat, "this collective effort can lay the foundations for the mathematical society to mature even more and undertake projects which make it grow and become even more valuable within the national panorama".

The **International Congress of Industrial and Applied Mathematics 2019** is the largest conference on this topic in the world; it takes place every four years and this is the first time the event is being held in Spain. Over the coming days, more than 4,000 mathematicians from all over the world are discussing mathematics of the future. This celebration is possible thanks to the sponsorship of many institutions, amongst them The **Ministry of Science, Innovation and Universities**; the **Foundation of the Valencian Community for the Promotion of Higher Studies (FFES)**; the **Diputació de València**; the **City Council of Valencia**; the **University of Valencia**; and **Banco Santander**.

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<https://iciam2019.org/>

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