

EDITORIAL

EXPOIngeniería 2018

In 2018, the School of Engineering of the Universidad de Antioquia celebrates its first 75 years of existence, considered as a vibrant faculty, with historical origins and developments. In its beginnings, 1943, it took the name of School of Chemical Sciences and it was related to the School of Medicine; in 1944, the curriculum was modified and the name was changed to the School of Chemical Engineering. On December, 1957 it was transformed into the Faculty of Chemical Engineering.

Since its origins, there have been about fifteen thousand engineers trained in the School who have contributed to the development of the region and the country. Currently, the School of Engineering offers 18 undergraduate programs, the vast majority with high quality accreditation, 9 specializations, 9 master's degrees and 4 doctorate programs. Its commitment to high quality education remains firm to the more than 8,000 undergraduate students and nearly 1,000 graduate students.

With the natural evolution of the research, 40 research groups have been consolidated, and this Journal has become an important place for the dissemination of results of the various research projects developed, and over time it has attracted the attention of researchers from all Latin America.

The School of Engineering continues taking on new challenges that meet the needs of academic and scientific development of the communities and the productive sector at the national and regional level, and it also bets on the strengthening of University-Company-State relationships, the social projection and the internationalization. In this sense, and in alliance with the **Tecnova** corporation, an entity with more than 10 years of experience in Science, Technology and Innovation, we propose the first edition of **EXPOIngeniería 2018**, an event to collectively trace the future from development and sustainability in the region and the country from **October 16 to 19, 2018** in the Plaza Mayor Convention Center and in the Metropolitan Theater of Medellín.

EXPOIngeniería 2018 will be the space for dialogue and the exchange of knowledge and challenges among three main actors

of society: industry, academia and the State. The fair will be the stage that will allow the acquired capacities through the time to be shown, and under a scheme that points to the development and sustainability, we will generate proposals that invite to the advance of the engineering and the society.

The academy will present the **results and advances** of the challenges addressed from the topics of the event with its business and social impact, reinforcing the vocation for the **profession** among new students and reaffirming it among active professionals. In addition, the academic community can participate in the solution of **innovation challenges** posed by the industry. **The State** will expose **the macro projects** and the path traced to promote the growth and development of all macroeconomic indicators through sustainable investment policies in all areas of engineering. It will be able to participate in **the operation of chaining/** business, this is the ideal time to reaffirm investor confidence in a country that is in the best stage of social, economic and cultural transition. The Industry will have the great opportunity to build high-level business allowing its products to be placed in the market and/or innovative services that present solutions to the visitors, buyers and other exhibitors; it can pose the challenges of innovation and participation in **the chaining/ business operation-**, additionally it can propose **specialized lectures** for its audiences. These presentations will allow the academy to know the priorities or real challenges that should be addressed in future research.

Additionally, this Journal joins the celebration by having a special edition of Expoingeniería2018; for submitting articles for this special issue, the Call for Papers included in this edition must be taken into account. The special issue will be published in 2019; for this publication, articles of high scientific quality will be considered, covering the main topics of Expoingeniería 2018 and V Workshop on Engineering Application-WEA 2018. The fields of knowledge within this edition are: Energy, Environment; Materials, Chemistry, Bioengineering, Infrastructure, Mobility, Logistics, Telecommunication, Information Technologies and Applied Computer Science in Engineering.

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