

Preface

The CLAIB 2016 Organizing Committee, representing the Regional Council of Biomedical Engineering for Latin America (CORAL) with the Latin American and international scientific community has carried out the VII Latin American Congress on Biomedical Engineering (CLAIB2016) www.abioin.com/infoclaib2016.html. This event, which has taken place since 1998, had its seventh edition in Bucaramanga, Santander, Colombia, at Universidad Autónoma de Bucaramanga (UNAB).

The organization of the Latin American Congress on Biomedical Engineering was carried out by the “*Asociación Colombiana de Bioingeniería y Electrónica Médica- ABIOIN*”. This congress was also supported by academic teams from Universidad Industrial de Santander, Universidad Pontificia Bolivariana, Universidad EIA, Instituto Tecnológico Metropolitano de Medellín, Universidad Javeriana and the Universidad Autónoma de Bucaramanga as the host University. Also, from the medical field, the FOSCAL, International Hospital of Colombia, FCV, among other organizations and international organisms have promoted this congregation of scientists, scholars and biomedical engineers from Latin America and other continents in an environment conducive to academic exchange and professional growth.

The Latin American congresses have provided a forum to present research findings, share experiences and coordinate activities between institutions and universities in the region to develop Bioengineering, Biomedical Engineering and related sciences.

The CLAIB 2016 in Bucaramanga (Santander – Colombia) followed previous meetings that were held in Mazatlan (Mexico) in 1998, Havana (Cuba) in 2001; Joao Pessoa (Brazil) in 2004, Margarita Island (Venezuela) in 2007, Havana (Cuba) in 2011, and Paraná (Entre Ríos – Argentina) in 2014. The congress program was designed so as to cover topics of regional and international interest and to meet scientific expectations.

Around 350 scientific articles were peer reviewed, each one by three independent reviewers and members of the CLAIB scientific committee, to select those meeting CLAIB’s quality requirements. Moreover, 7 keynote talks from Europe, Asia and United States, and 11 keynote talks from Latin American countries were delivered by distinguished international scientists and academic and professional discussion panels with a high impact on bioengineering/biomedical engineering. Companies and firms also participated in CLAIB 2016 with an exposition of their innovations in the fields of medical products and equipment. Inside the activities of this congress, multiple meetings such as CORAL, IFMB, South-American working group, and social, cultural and recreation activities took place.

We thank you all for your participation in CLAIB2016 and you are always welcome to come back to Bucaramanga at any time.

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