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**Eduardo Romero
Natasha Lepore
Jorge Brieva
Ignacio Larrabide**
Editors

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- 13 Brain - Signal Processing
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Introduction

Welcome to conference proceedings from the 12th International Symposium on Medical Information Processing and Analysis - SIPAIM 2016!

SIPAIM 2016 was held, for the first time, in Tandil, Argentina. The symposium was organized by the Universidad Nacional del Centro de la Provincia de Buenos Aires (UNICEN). The organization had the support of the Comisión de Investigaciones Científicas y Tecnológicas de la Provincia de Buenos Aires (CICPBA), the Ministerio de Ciencia y Tecnología (MINCYT), Universidad Nacional del Centro de la Provincia de Buenos Aires (UNICEN), Comisión Nacional de Investigaciones Científicas y Tecnológicas (CONICET) and Pladema Institute (Universidad Nacional del Centro de la Provincia de Buenos Aires), Universidad Nacional de Colombia (UNAL), Universidad Panamericana (Mexico) and SIPAIM foundation.

Over the last couple of years, SIPAIM has evolved from a small meeting to an international symposium with participation of researchers from several countries across Latin America, North America, Europe and Asia. The collaboration with SPIE has brought growing attention to the event and has improved the quality and visibility of the proceedings. SIPAIM is mainly focused on gathering Latin American community on medical image analysis and information processing where researchers can participate in discussions about recent results, ongoing research and future projects in the areas and topics of the symposium. The symposium is also a great opportunity for networking among the members of this community. SIPAIM is addressed to researchers, students and professionals in a wide range of disciplines including Engineering, Physics, Mathematics, Computer Science, Biology and Health Sciences, and includes keynote lectures by recognized experts on issues related to acquisition, digitization, visualization, processing, analysis and interpretation of medical information. There are also several tutorials aimed at the complementary education of students concerning the topics of the conference.

We received 74 submissions, and after a very strict revision process, 56 papers were accepted for presentation. The conference included the participation of eight internationally recognized keynote and workshop speakers. The symposium included the following tracks: Medical and Biomedical Imaging, eHealth, Digital Pathology, Gait Analysis and Biosignals, Representation Based Biosignal Analysis, and Analysis of Medical Procedures through Imaging.

SIPAIM's venue was in the quiet and friendly city of Tandil, Argentina. Tandil is recognized as a strong technology development city in Argentina with the University as the city's beating heart. This young city (founded in 1823), is surrounded by hills and has a relaxed way of life treasured by tourists from the whole country and abroad. SIPAIM organizers hope that each and every one of this year's SIPAIM attendees had the chance to see this in Tandil, and that they had a nice and interesting time with its technical program. See you next year!

Eduardo Romero
Natasha Lepore
Jorge Brieva
Ignacio Larrabide