



EMBC
2015
MILANO

37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society *Biomedical Engineering : a Bridge to improve the Quality of Health Care and the Quality of Life*

MiCo, Milano Conference Center, Milano, Italy, August 25-29th 2015

The 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBS) will take place in Milano, Italy, in the period August 25th-29th, 2015. It will be a remarkable event as it is the first time that Italy will host a conference of the world's largest member-based scientific Society in Biomedical Engineering (BME): at the same time, it will be a unique opportunity to come in touch with the actual BME activities all over the world.

The Theme of the Conference is: "**Biomedical Engineering: a bridge to improve the Quality of Health Care and the Quality of Life**", thus remarking the central role of BME in the improvement and innovation of health care (with a direct impact on the quality of life) but also focusing on how to reach and maintain a "wellness" status through proper and advanced technologies, devices and protocols.

The Conference will take place in **MiCo - Milano Congressi**, recently rebuilt (2011) and located in downtown Milano, among the largest conference facilities in Europe and worldwide, catering for up to 18,000 people in 70 or so fully appointed conference rooms.

Conference Chairs:

Sergio Cerutti, Politecnico, Milano, Italy

Paolo Bonato, Harvard Medical School, Boston, USA

Program Chairs:

Nigel Lovell, University of New South Wales, Sydney, Australia

Luca T Mainardi, Politecnico, Milano, Italy

THEMES

- Biomedical Signal Processing
- Biomedical Imaging and Image Processing
- Bioinstrumentation, Biosensors and Bio-Micro/Nano Technologies
- Bioinformatics and Computational Biology, Systems Biology, & Modeling Methodologies
- Cardiovascular and Respiratory Systems Engineering
- Neural and Rehabilitation Engineering
- Cellular and Tissue Engineering and Biomaterials
- Biomechanics and Robotics
- Therapeutic and Diagnostic Systems, Devices and Technologies, & Clinical Engineering
- Healthcare Information Systems, & Telemedicine
- Biomedical Engineering Education and Society
- Technologies for active ageing and wellbeing

KEY DATES

Proposal for Special Sessions

(Workshops, Tutorials, Invited Sessions, Mini-Symposia and Special Sessions)

October 15th 2014 - Session Proposal Start

February 15th 2015 - Session Proposal Deadline

Call for Papers (4 pages)

January 15th 2015 - Papers Submission Start

March 31st 2015 - Papers Submission Deadline

May 15th 2015 - Author Notification

June 1st 2015 - Author Final Submission

Call for Papers (1 page)

March 31st 2015 - Papers Submission Start

May 26th 2015 - Papers Submission Deadline

June 15th 2015 - Author Notification

June 30th 2015 - Author Final Submission



<http://embc.embs.org/2015/>



Welcome to Milano

Fashion, finance, food and football (soccer) are all synonymous with the modern, sophisticated, stylish city we call Milano.

The world's fashion capital, Milano is also home to the Italian stock exchange and most of the country's major corporations. Milano is huge, busy, modern, cosmopolitan and forward-looking.

It is much different from the typical Italian city but thoroughly Italian. The city's cultural life seems to revolve around its most famous edifices: the **Galleria**, the **Duomo** and its large square and the **Teatro alla Scala**, the world's most renowned opera house. The rest of the city is bustling through much of the day, the evening and often late into the night.

Milano's nightlife, like its restaurants, is probably the best in Italy. Most clubs are open nightly until 3 a.m., often longer on weekends. The entrance fee usually includes a free drink. One area to visit at night is the **old Navigli port** neighborhood, which retains the funky character typical of ports and is home to many jazz clubs and good restaurants.



BME in Italy

In Italy: 11 Universities issue a BS title in BME and 16 Universities a MS title in BME with numbers of about 2000 and 1500 Students in the first year of attendance of their CV, respectively.

In Milano: Politecnico has traditionally many hundreds of Students attending BS, MS and PhD Courses in BME, and one Department of Electronics, Information and Bioengineering.

In Milano: concentration of Companies and Startups in the area of medical equipment & devices, rehabilitation, clinical engineering, telemedicine, biotech and R&D centers.

In Lombardia Region: Health Organisation Model which is a virtuous mix of public and private activities. A Model which is reputed the most successful in Italy and exported also in other regions of Europe. This occasion will also stress the historical relevance of exact Sciences in Biology, as it is witnessed by the activities in Lombardia Region of Leonardo da Vinci (XV-XVI c) and Alessandro Volta (XVIII-XIX c).

BME & EXPO 2015



The coincidence with the **World Expo2015 in Milano** (with the themes «Feeding the Planet, Energy for Life») will provide the Conference a further appeal to scholars and scientists working in BME and related fields.

A collaboration is foreseen in a Special Event dedicated to "Technologies for

Healthy Nutrition and Nutrition for Health" together with others Universities in Milan and the Health District of the Lombardia Region.