

International Journal of Bioelectromagnetism

Proceedings of the 11th International Conference on Bioelectromagnetism

Prof. Dr.-Ing. Dr. med. Dr. h.c. Steffen Leonhardt
Philips Chair for Medical Information Technology (MedIT)
Helmholtz-Institute for Biomedical Engineering
RWTH Aachen University
Pauwelsstr. 20
52074 Aachen
medit@hia.rwth-aachen.de

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Introductory Words from the Editorial Board

The International Society for Bioelectromagnetism (ISBEM) was founded in 1996 in order to offer an exchange platform for researchers from all over the world regarding advances in bioelectromagnetism. Therefore, the society sponsors the biennially organised international congresses on bioelectromagnetism, starting from 1996. The first International Conference on Bioelectromagnetism (ICBEM) has been held in Tampere, Finland in 1996. After that, the ICBEM conference took place in Melbourne (1998), Bled (2000), Montreal (2002), Minneapolis (2005), Aizu (2007), Rome (2009), Banff (2011), Geneva (2013) and Tallinn (2015). Following the fundamental idea of the ISBEM, the ICBEM provides a platform for researchers all over the world to share their experience regarding their work in the broad field of bioelectromagnetism, which includes:

- The behavior of excitable tissue (the sources)
- The electric currents and potentials in the volume conductor
- The magnetic field at and beyond the body
- The response of excitable cells to electric and magnetic field stimulation
- The intrinsic electric and magnetic properties of the tissue.

This year, we are very happy to welcome all participants to the 11th International Conference on Bioelectromagnetism in Aachen, Germany. In 2018, the ICBEM will be jointly held together with the 13th Russian-German Conference on Biomedical Engineering (RGC) hosted by the Philips Chair for Medical Information Technology (MedIT) at RWTH Aachen University. As regarding for the editorial board, we would like to thank all participants contributing to ICBEM & RGC 2018 with their research and hope the conference to be a great experience for all participants.

The Editorial Board:

Prof. Kazuo Yana,

Prof. Jaakko Malmivuo,

Prof. Steffen Leonhardt