

Personal information form for Fellow members of EAMBES

Personal Info



Name: Jaakko Malmivuo
Gender: Male
Date and place of birth: 27.03.1944, Helsinki
Present affiliations and functions: Professor Emeritus
Presents e-mail address: jaakko.malmivuo@bem.fi
Webpage address when applicable: www.bem.fi/malmivuo

Short CV

Please indicate

1. Date and university for MSc and PhD degree(s)
MSc 1971, PhD 1976, Helsinki University of Technology
2. Different professional affiliations with applicable periods
1972-1974 Clinical Engineer, Helsinki University Hospital
1974-1976 Researcher, Stamford University
1976-1986 Assoc Prof of Bioelectromagnetism, Tampere University of Technology
1986-2010 Professor of Bioelectromagnetism, Tampere University of Technology
1988 Visiting Professor, Technische Universität Berlin (West)
1989 Visiting Professor, Dalhousie University, Halifax
1993 Visiting Professor, Sophia University, Tokyo
2006 Visiting Professor, University of Barcelona, Barcelona
3. Major activities at the national and international level
2006- European Virtual Campus for Biomedical Engineering, EVICAB, www.evicab.eu
1996 10th Nordic-Baltic Conference on Biomedical Engineering & 1st International Conference on Bioelectromagnetism, (Tampere), NBC1996 President, Chairman of the Program Committee.
2003 30th International Conference on Electrocardiology, Helsinki, President, ICE2003
1996-07 IEEE Transactions on Biomedical Engineering, Associate Editor
1999-06 International Journal of Bioelectromagnetism, Editor in Chief, www.ijbem.org
4. Major scientific interests
Bioelectromagnetism: ECG, EEG, MCG, MEG, bioimpedance, Internet education
5. When applicable the number of journal publications (full articles) and total citations
Over 100
6. When applicable, maximal 4 references to papers you find most important and relevant
Malmivuo, J. Comparison of the properties of EEG and MEG in detecting the electric activity of the brain. Invited review article. Brain topography. Accepted for publication.
Malmivuo, J., Suihko, V. & Eskola, H. 1997. Sensitivity distributions of EEG and MEG measurements. IEEE Transactions on Biomedical Engineering 44 3,

pp. 196-208.

Malmivuo, J. & Plonsey, R. 1995. Bioelectromagnetism - principles and applications of bioelectric and biomagnetic fields. New York. Oxford University Press. 482 p.

Malmivuo, J. 1976. On the Detection of the Magnetic Heart Vector - An Application of the Reciprocity Theorem. Helsinki University of Technology, Doctor of Technology (PhD) Thesis, Acta Polytechnica Scandinavica, Electrical Engineering Series. 39, 112 p.

Recognitions:

Please indicate honorary recognitions, prizes, fellowships etc.

2003 International Academy of Medical and Biological Engineering, Fellow

2007 IEEE EMBS Fellow

2008 Finnish Society for Medical Physics and Medical Enging., Honorary Member
