

Personal information form for Fellow members of EAMBES

Personal Info



Name: Hiie Hinrikus

Gender: female

Date and place of birth: November 2, 1934, Tallinn, Republic of Estonia

Present affiliations and functions: Tallinn University of Technology, Department of Biomedical Engineering, Professor Emeritus

Present e-mail address: hiie@cb.ttu.ee

Short CV

1. Date and university for MSc and PhD degree(s)

1989 DSc Institute of Radio and Electronic Engineering (IRE) of the USSR Academy of Sciences, Moscow

1967 PhD USSR National Institute of Physical and Radiotechnical Measurements, Moscow

1960 MSc Lomonossov Moscow State University, Faculty of Physics

2. Different professional affiliations with applicable periods

2002 - ... Tallinn University of Technology (TUT), Department of Biomedical Engineering, Professor emeritus

1994 - 2002 TUT, Biomedical Engineering Centre, founding Head of the BME Centre, Professor of Radio Physics, Head of the Chair

1990 - 1994 TUT, Department of Radio and Communication Engineering, Professor of Radio and Laser Engineering, Head of the Chair

1968 - 1989 Tallinn Polytechnic Institute, Chair of Radio Engineering, docent

1966 - 1968 USSR National Institute of Physical and Radiotechnical Measurements, Engineer, Sen Researcher

1960 - 1962 Radiotechnical Factory "Punane RET", Tallinn, Engineer

3. Major activities at the national and international level

2009 - ... Centre of Excellence in Electromagnetic Bioeffect Research, Melbourne, International Advisory Board

1994 - ... European Commission FP4, FP5, FP6, FP7, Expert-evaluator

1994 - ... Estonian Society for Biomedical Engineering and Medical Physics, Founding member

2008 - 2011 COST BM0601 NEUROMATH, Management Committee

2006 - 2009 COST B27 Electric Neural Oscillations and Cognition, Management Committee

2006 - 2009 International Academy for Medical and Biological Engineering, Member of Council

2003 - 2009 European Alliance for Medical and Biological Engineering and Science, member of Council

2000 - 2003 IFMBE, International Liaisons Committee, representative at WHO Europe

1999 11th Nordic-Baltic Conference on Biomedical Engineering, Tallinn, Regional Conference of the IFMBE, IOMP, IEEE EMBS, President

1998 - 2002 IEEE Engineering in Medicine and Biology Society, Regional Conference Committee

1996 - 2002 International Society for Bioelectromagnetism, Member of Council
1996 - 2004 Commission of National Science Prizes, Estonia, member
1995 - 2001 State Commission of Students Research Awards, Estonia, Chair
1994 - 2002 Estonian Society for Biomedical Engineering and Medical Physics, founding
President
1994 - 2002 TUT, Centre of Biomedical Engineering, Chair of Council
1989 - 1998 Estonian Union of Scientists, Member of Council

4. Major scientific interests

Biosignals interpretation, bioelectromagnetics, microwave effects

Recent relevant publications:

Hinrikus H, Suhhova A, Bachmann M, Aadamsoo K, Võhma Ü, Lass J, Tuulik V.
Electroencephalographic spectral asymmetry index for detection of depression. *Med Biol Eng Comput* 2009, 47:1291-1299

Hinrikus H, Bachmann M, Karai D, Klonowski W, Lass J, Stepień P, Stepień R, Tuulik V.
Higuchi's fractal dimension for analysis of the effect of external periodic stressor on electrical oscillations in the brain. *Med Biol Eng Comput*. 2011, 49(5):585-591.

Hinrikus H, Bachmann M, Lass J. Parametric Mechanism of Excitation of the
Electroencephalographic Rhythms by Modulated Microwave Radiation. *International Journal of Radiation Biology* 2011, 87:1077-1085.

Recognitions:

2003 International Academy for Medical and Biological Engineering, Fellow
2000 Estonian National Science Prize, Yearly Award in Engineering