



INTERNATIONAL FEDERATION FOR MEDICAL AND BIOLOGICAL ENGINEERING

Affiliated with the International Union for Physical and Engineering Sciences in Medicine

Office of the Secretary-General: Prof. K.P. Lin

Nominations for Elections in 2018

NOMINEE INFORMATION FORM

Nomination for the position of	Administrative Council
Name	Mikael Persson
Affiliated Society	Swedish Society for Medical Engineering and Physics
Current Position (in Affiliated Society)	Scientific Secretary, Board member
Current Profession (in Academia, Hospital, etc.)	Academia and Industry

Photograph (please use the space provided below only)





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Brief Biography (200 words)

Professor Mikael Persson has been on the board of the Swedish Society for Medical Engineering and Physics since 2009, since 2011 in the capacity of Scientific Secretary. He has extensive leadership experience in academia and industry where he has been active in creating Medtech West; a collaborative platforms for research, education, development and evaluation of new biomedical concepts and technologies located at the Sahlgrenska University hospital. He has been an active partner in creating Medtech4Health, a Swedish Strategic Innovation Programme, that gives financial support to innovation in medical technology for healthcare. He is also an innovator and has founded the company Medfield Diagnostics AB. Professor Persson received the M.Sc. and Ph.D. degrees from the Chalmers University of Technology, Göteborg, Sweden, in 1982 and 1987, respectively. In 2000, he became a Professor in electromagnetics and in 2006 a Professor in biomedical electromagnetics at the Department of Signal and Systems, Chalmers University of Technology. Since 2010, he has been the Head of the Division of Signal Processing and Biomedical engineering, Chalmers University of Technology. Since 2015 he is also professor at the Sahlgrenska Academy, the medical faculty of Gothenburg University. His main research interests include electromagnetic diagnostics, monitoring and treatment, including microwave hyperthermia, stroke and trauma diagnostics, EEG source localization, and microwave system design. He is the author/coauthor of more than 200 refereed journal and conference papers. He is also active in education and has been instrumental in the creation of a Masterprogram in Biomedical Engineering.

Position Statement (200 words)

The global health care sector is facing huge challenges due to the ageing population and increasing care needs. At the same time we have benefitted from promising advancements in diagnostic and therapeutic possibilities, but to an increased cost. As a result, health care accounts for a growing share of GNP.

Biomedical engineering plays a key role in meeting these challenges and medical technology is an enabler for many of the required changes. Examples include:

- improved treatment possibilities;
- increased patient empowerment and involvement and better preventive health care (lifting the burden on health care), development of a value-based health care system (providing maximum health outcome per cost);
- sustainable and more efficient health care (increased patient safety, reduced invasiveness, better decision support systems, etc.) and improved health economy.

As the Scientific Secretary of the Swedish Society for Medical Engineering and Physics I bring extensive leadership experience to the board. I also bring experience on collaborative platforms and innovation programmes in partnership between academia, health care and industry. I also have an active interest in education and has experience in the creation and running of educational programmes in Biomedical Engineering.



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I agree to have my name placed in nomination for the above position, and if elected, to serve for the three or six-year term specified.

Signature of Candidate: _____

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