



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

Regional Representative

Name

Ichiro Sakuma

Affiliated Society

Japanese Society for Medical and Biological Engineering

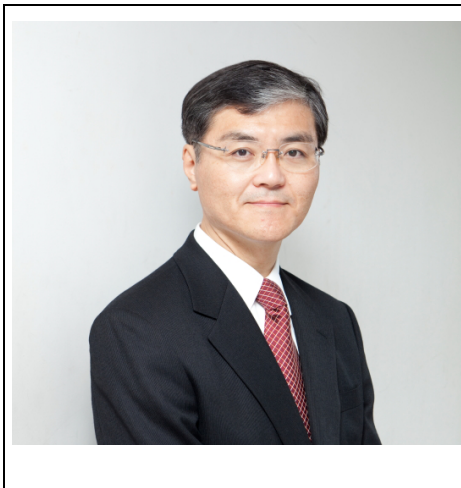
Current Position
(in Affiliated Society)

Board Member, Chairman of International Committee

Current Profession
(in Academia, Hospital, etc.)

Professor

Photograph (please use the space provided below only)





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Brief Biography (200 words)

Ichiro Sakuma received the B.S., the M.S., and the Ph.D. degrees in precision engineering from the University of Tokyo, Japan, in 1982, 1984, and 1989, respectively. He was a research instructor at Department of Surgery, Baylor College of Medicine, Houston, Texas, U.S.A. from 1990 to 1991. He is currently the director of Medical Device Development and Regulation Research Center and Professor at Department of Bioengineering and Precision Engineering, School of Engineering, the University of Tokyo. He was the Deputy Director for Medical Devices, Center for Product Evaluation in Pharmaceuticals and Medical Devices Agency (PMDA) from 2012 to 2017. He was the president of Japanese Society for Medical and Biological Engineering (JSMBE) from 2014 to 2016. He is editorial board member of IEEE Transaction on Medical and Biological Engineering and International Journal of Computer Assisted Radiology and Surgery.

His research interests are biomedical instrumentation, artificial organs, cardiac arrhythmia analysis, computer aided surgery, and medical robotics. He published about 160 peer-reviewed papers and received several academic awards including Young Investigator Travel Award from International Society for Rotary Blood Pump in 1996, Best paper awards from The Robotic Society of Japan in 2010 and 2015, and Best paper award from JSMBE in 2017.

Position Statement (200 words)

I have been serving as the chair of Working Group on Asian-Pacific Activities for more than 8 years since 2009. As a regional group representative, I will promote regional academic collaborations in medical and biological engineering research through further improvement of already existing various activities such as regional academic conferences and young investigators networking activities. I will also promote regional collaboration in improvement of education systems in medical and biological engineering. I will make best effort to improve qualities of academic activities by biomedical researchers in this region.

I will support participation of emerging groups of medical and biological engineering in various developing countries in this region to be full members of IFMBE. I will also organize systematic supports by the regional societies for the success of WC 2021 in Singapore.

Advancement of translational research of medical technologies is important to make social values of medical and biological engineering. I would like to promote regulatory science studies where scientific methodologies for evaluating safety and efficacy of medical devices one of the important elements of academic activities in collaboration with regulatory bodies in medical device regulation as a new emerging field in medical and biological engineering.

