



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. S. M. Krishnan

NOMINEE INFORMATION FORM

Nomination for the position of

Administrative Council Member

Name

Bruce C. Wheeler

Affiliated Society

IEEE EMBS

Current Position
(in Affiliated Society)

Past President

Current Profession
(in Academia, Hospital, etc.)

Professor of Biomedical Engineering, University of Florida

Photograph (please use the space provided below)



Brief Biography (not to exceed 200 words)

Bruce Wheeler moved to the University of Florida in 2008, serving as Acting Chair of the Department of Biomedical Engineering (2009-12) and co-authoring the proposal for the BS BME degree program. While at Illinois (1980-2008) he wrote the proposal for the BS, MS, PHD and Department of Bioengineering and served as Founding / Interim Head from (2005-08). He was also Professor of Electrical and Computer Engineering (including Associate Head), the Beckman Institute, and a chair of the Neuroscience Program. In 2015 he moves to the University of California at San Diego as Adjunct Professor of Bioengineering.

He served as President of the IEEE Engineering in Medicine and Biology Society and also as Editor in Chief of the IEEE Transactions on Biomedical Engineering.

Prof. Wheeler's research interests lie in the application of electrical engineering methodologies to neuroscience. His work influenced neural spike sorting technologies, microelectrode array recording from brain slices, and the use of lithography to control cells, especially neurons, in culture. His work aims at basic science understanding of the behavior of small populations of neurons.

He is a Fellow of IAMBE, AAAS, IEEE, AIMBE and BMES.



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. S. M. Krishnan

Position Statement (not to exceed 200 words)

My experience helping to improve the interactions of the IFMBE and the IEEE EMBS has been very positive. This includes especially the agreement to cooperate in yearly alternating biomedical and health informatics (BHI) conferences. By extension there are other conferences and activities where the IFMBE umbrella organization can work collaboratively with IEEE EMBS to provide a greater range and quality of conferences and related activities for the increasing number of biomedical engineers world wide. Clearly other affiliated IFMBE societies offer excellent conferences that Administrative Council should continue to endorse and strengthen, thereby enhancing the reach of the constituent societies.

The IFMBE publishes journals, proceedings and books; my experience as a journal editor and my more general knowledge of scientific publication issues should be a plus for the IFMBE in a time of changes brought about by open access, electronic publishing, and a rapidly growing biomedical engineering publication market.

There is more potential to be exploited in linking, via IFMBE, the constituent societies with large intergovernmental organizations, such as the World Health Organization. I would welcome the opportunity to serve toward this end.

=

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

Signature of Candidate: 

Bruce C. Wheeler
Professor of Biomedical Engineering
J. Crayton Pruitt Family Department of Biomedical Engineering
University of Florida
Office: 453 New Engineering Building
Mail: JG42 BioMedical Sciences Building, 1275 Center Drive
Gainesville, FL 32611-6131

p. 352.273-2130 office
p. 352.273-9222 dept; <http://www.bme.ufl.edu>
f. 352.273-9221
bwheeler@ufl.edu