



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	IFMBE Clinical Engineering Division
Name	Leandro Pecchia
Affiliated Society	Associazione Italiana Ingegneria Medica e Biologica (AIIMB, Italy), Institute of Physics and Engineering in Medicine (IPEM, UK), EAMBES
Current Position (in Affiliated Society)	Member (AIIMB), Academic Advisory Group member (IPEM) Administrative Council Member (EAMBES)
Current Profession (in Academia, Hospital, etc.)	Assistant Professor, Academia

Photograph (please use the space provided below only)





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Brief Biography (200 words)

Leandro Pecchia graduated in BME (2005) at the University “Federico II” of Naples, where he also received the PhD (2009). He is Assistant Professor of BME at The University of Warwick (UK) and director of the Applied Biomedical Signal Processing and Intelligent eHealth Lab. He authored about 100 peer-reviewed articles on medical devices, Health Technology Management (HTM), machine learning, biomedical signal processing and Health Technology Assessment (HTA).

Dr Pecchia has been Chair (2015-2018) and Treasurer (2012-2015) of the IFMBE Healthcare Technology Assessment Division (<http://htad.ifmbe.org/>), AC Member (2015-17) of the European Alliance of Medical and Biological Engineering and Science (EAMBES) and member (2015-18) of the IUPESM Committee on Education and Training.

As HTAD Chair, he contributed to the diffusion of HTA in BME education and research, coordinating several projects as the launch of the IFMBE eLearning platform and the IFMBE HTA Summer Schools series (<http://htad.ifmbe.org/training/>), and providing HTA support to the organizers of several IFMBE events/conferences in Africa (AfricaHeath 2016 and 1027), America (WC2015, ICEHTAM2017), Asia (ICBME2016) and Europe (MEDICON 2016, EMBC2017, WC2018). Dr Pecchia presented IFMBE and BME contributions to HTA and HTM in several scientific and political events, including WHO Global Fora on Medical Devices, European Parliament and HTAI Congresses.

Position Statement (200 words)

Healthcare decisions and medical devices policies are not sufficiently and systematically informed by Clinical Engineering (CE). This affects negatively healthcare costs, patient safety and quality of life. This gap is due, among other factors, to:

- 1) difficulties in publishing/disseminating CE results because lack-of-time and shortage of receptive journals;
- 2) Heterogeneity, sometimes lack, of CE professional recognition worldwide.

My contribution will focus on filling this gap through three projects:

- 1) **CE professional recognition:** leveraging on the IFMBE HTAD experience, support and reinforce IFMBE cooperation with international (e.g., UN, WHO), regional (e.g., European Parliament, Africa Union) and national (e.g., NICE UK, CADHT in Canada) institutions, agencies and scientific societies involved in designing regulations and policies on medical devices, HTM, HTA;
- 2) **Education:** foster IFMBE eLearning platforms, facilitating CE education and dissemination worldwide, launching the first IFMBE Summer School Series on CE, with particular attention to low-income countries. In fact, in lower income settings, there is a huge convergence among HTA, HTM and CE, which has been only partially appreciated by traditional HTA stakeholders (e.g., health economists) and political decision-makers;
- 3) **Publications:** facilitate CE scientific publications, demonstrating how CE contains healthcare costs, increase patient safety and quality of life, fostering the creation of a new journal, if needed.



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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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