



Ernesto Iadanza

Nominated for:
Council of Societies
chairperson

AIIMB Delegate for
IFMBE

Senior Assistant
Professor (tenure-
track)
Department of
Medical
Biotechnologies,
University of Siena

Professional Achievement

- Application of innovative Biomedical Engineering methods to Clinical Engineering and Health Technology Assessment (HTA)
- Evidence Based Management/Maintenance of medical equipment
- Design of Clinical Decision Support Systems (CDSS) for chronic pathologies and rare diseases, leveraging artificial intelligence technologies, in particular machine learning and deep learning
- Semantic web technologies applied to healthcare facilities management
- **Editor in Chief** (scientific book), "*Clinical Engineering Handbook, 2nd Edition*". Ed. Elsevier, 2019
- **Editor** (scientific book), "*Clinical Engineering: from Devices to Systems*". Ed. Elsevier, 2015.
- Author of 200+ publications, on scientific journals, international conference proceedings, books and book chapters.

Societal Contribution

- IFMBE HTAD Chair (2018 – 2022)
- IFMBE Nominating Committee Member (2018 – 2022)
- IFMBE CED Chair (2015 – 2018)
- IFMBE CED Secretary (2012 – 2015)
- IUPESM Education and Training Committee Member (2018 – 2022)
- IUPESM Health Technology Task Group Member (2018 – 2022)
- IUPESM Education and Accreditation Committee Chair (2015-2018)

Honours and Awards

2019, IFMBE/CED 2019 Clinical Engineering Teamwork Award
2017, Elevated to Senior Member, IEEE and EMBS
2017, AAMI AWARD to the IFMBE/CED, chaired by Dr. Iadanza, for their support in the global development of Clinical Engineering.
2013, IBM FACULTY AWARD