

APPOINTMENTS / Elections:

- 1/2016 –12/2018**-Distinguished Lecturer for the IEEE EMBS.
- 1/2016- Present** IEEE Life Science Technology Council (LSTC) representative for the IEEE Society on Social Implications of Technology
- 1/2016 –Present** -Distinguished Lecturer Chairman for the IEEE Society on Social Implications of Technology
- 8/2014 – Present** – Honorary Professor, Institute of Electrical Engineering, School of Engineering, University of the Republic of Uruguay
- 1/2014 –1/2015**-Membership Chair for the IEEE Society on Social Implications of Technology Board of Governors
- 1/2013 –2016** – Steering Committee, Journal Transactions on Nano-Biotechnology, IEEE Computer Society representative.
- 1/2013—1/2014** **Conferences** Chair for the IEEE Society on Social Implications of Technology
- 8/2011-2015** **Computer Society** Member of the IEEE Life Sciences Grand Challenges Project Team
- 1/2011 – Present** **Board** of Governors of IEEE-SSIT (Continued since 2008)
- 10/2009 – 12/2012** **Elected** to the Board of Governors of IEEE-Computer Society (CS) for the January 2010 –December 2012 period.
- 9/2009 – 6/2015** Elected Member of the Administrative Council of the International Federation of Medical and Biological Engineering (IFMBE)
- 10/2008** – Appointed US Representative to the World Federation of Engineering Organizations (WFEO), Committee on Information and Technology.
- 6/2008 –EMBS Representative** Member to the IEEE (with the UN) Humanitarian Technology Challenge
- 3/2008** – Appointed AIMBE representative to the World Federation of Engineering Organizations (WFEO).
- 1/2008 – 12/ 2010** - Elected to the Board of Governors of IEEE-SSIT (Society on Social Implications of Technologies).
- 1/2008** – Named Distinguished Lecturer for the IEEE-EMBS
- 3/2006 – Present** Appointed Chair of the “Global Citizen Safety and Security” WG for the International Federation of Medical & Biological Engineering (IFMBE)
- 1/2007 –1/2008:** Founding Chair & Chairman of the Critical Infrastructure Protection Committee for the IEEE – USA.
- 4/2006 – 2009** -Elected to the Executive Committee and Board of Directors of the American Association of Engineering Societies (AAES)
- 1/2006 – 2/2008** Elected to the Executive Committee and of the Board of Directors of the American Institute of Medical and Biological Engineering (AIMBE) -
- 1/2006 – 2/ 2008** Elected Secretary / Treasurer of the American Institute of Medical and Biological Engineering (AIMBE)
- 9/2005 –12/2006:** Chairman of the “Ad Hoc” Critical Infrastructure Protection Committee for the IEEE – USA.
- 3/04-2007:** White House / Department of Homeland Security’s Advisory Committee for the National Biosurveillance Integration System (NBIS).

3/04-2012: Associate Editor of Government Affairs, IEEE-EMBS Magazine.

3/01-2014 -Founding Chair of the Bioterrorism and Homeland Security WG for the IEEE – USA Medical Technology Policy Committee.

3/01-2014 Founder and member of the Genetics and Bioinformatics WG for the IEEE – USA Medical Technology Policy Committee.

6/99--2008 IEEE Medical Technology Policy Committee. Advisor to the Technical Activities Board (TAB) of IEEE-USA on Biotechnology and Critical Infrastructure Protection.

7/96-Founding Member of the Editorial Board of the IEEE - Transactions on Information Technology in Biomedicine magazine.

11/00 -2007 American Medical Informatics Association (AMIA): co-chair of the Knowledge in Motion WG (combination of Telehealth, Internet and Mobile Computing WGs).

11/01- 2006 AMIA Public Policy Committee (PPC), (Prior liaison between all the WG [included: Internet, Quality Improvement, Nursing Informatics, Consumer Health Informatics, People & Organizational Issues, Clinical Information Systems, Education, Genomics, Clinical Trials, Medical Imaging Systems, Dental Informatics, Ethical, Legal & Social Issues, Family Practice/Primary Care, Telehealth, Internet, Mobile Computing, Anesthesiology, Critical Care & Emergency Medicine, Natural Language Processing, Prevention and Public Health] and the PPC.

11/01- AMIA Bioterrorism Response Group member [small group formed by the president of AMIA, with the purpose of developing and coordinating AMIA's public policy statements in regards to national health threats including biological, chemical, and nuclear.

2002-2006: Chairman Bioterrorism R&D Strategic Working AIMBE Team (SWAT) for the American Institute of Medical and Biological Engineering

9/95-2000 The International Society for Optical Engineering (SPIE) Healthcare Engineering and Technology Policy (HETP) Executive Committee.

1/96 -1/98 Editorial Board of the IEEE - Spectrum magazine.

1/93-12/95 Editorial Board of the IEEE - Engineering in Medicine and Biology Society (EMBS) magazine.

1/93-1/95 Founding Chair & Chairman of the IEEE-HCEPC Electronic Medical Record and the High Performance Computers & Communications WG.

3/91- 1/94 Chairman of the IEEE-Engineering in Medicine and Biology Society, Industrial Relations Committee.

1/87- 1/95 IEEE Health Care Engineering Policy Committee (HCEPC).

1/89 Named by the IEEE-Health Care Engineering Policy Committee (HCEPC) to be their expert witness to Congress in reviewing the bills associated to the High Performance Computing and Communications proposal.

10/86-4/88 Member of the IEEE-Medical Information Bus Task Force.

11/83-8/85 Associate Editor for Industrial Affairs for the IEEE- EMBS magazine.

8/83-10/85 Chairman of the IEEE-Engineering in Medicine and Biology Society (EMBS) Industrial Relations Committee.

Partial list of Earlier Contributions to the IEEE Society &/or other Professional Societies and related activities:

1983, 84, and 91, 92, 93 Chair of the IEEE-EMBS Industrial Relations Committee.

1983-1985: Associate Editor for Industrial Affairs for the IEEE-EMBS magazine.

1986-1995; IEEE-USA Health Care Engineering Policy Committee (HCEPC):

1993-1996: Editorial Board of the IEEE-EMBS magazine.

1986-1988: Member of the IEEE-Medical Information Bus Task Force.

1995: Special Expert Viewpoint Section on Medical Electronics for IEEE Spectrum Technology 1995, Analysis and Forecast Issue

1996- 1999: Editorial Board IEEE Spectrum magazine.

1997-2012: Editorial Board IEEE Transactions on Information Technology in Biomedicine.

1999-2013: IEEE-USA Medical Technology Policy Committee (MTP) & Founding Chair Bioterrorism & Homeland Security WG. Founding member of the Genomics and Bioinformatics WG

2007- Founding Chair of the IEEE-USA Critical Infrastructure Protection Committee

2003-2007 – Distinguished Visitor Program – IEEE Computer Society for both the US and Latin America programs.

2004-2013: IEEE-EMBS Magazine - Associate Editor for Government Affairs

2007- Present: Distinguished Visitor Program – IEEE EMBS, IEEE Computer Society, IEEE SSIT

IEEE-EMBS Annual Conference:

1984 and 1985 -Session Chairman, topic: "Microprocessors in Health Care(HC)". 1987-Session Chairman, topic: "Artificial Intelligence in Medicine"

1988-Mini-symposia co-chair: Impact of Medical Imaging Technology in HC. 1991-Track Chair and Mini-symposia chair: "Medical Informatics".

1992-Track Chair, topic: "Computers in Medicine".

1993-Special session chair: "Engineering. Solutions to HC Problems: Policy Issues".

1995-Conference Chairman of the Health Care Information Infrastructure (HCII) for SPIE & Editor of Proceedings.

1997-IEEE-ITAB97 International Conference, Prague, keynote speaker and organizer.

1998-IEEE-ITAB98 International Conference, co-chair Advisory Committee and keynote speaker. 1999-IEEE-ISIS-ITAB99 International Conference, session chair and keynote speaker.

2000 Chicago World Congress on Medical Physics and Biomedical Engineering, Public Health Informatics - Session Chair and Keynote speaker.

2000-IEEE-ISIS-ITAB99 International Conference, Executive Committee, Publications Chair, session chair and keynote speaker.

2003-IEEE-ITAB2003 International Conf., Technical Programme Committee &

Sessions Chair.

-Section Editor of Biomedical Computing in the IEEE Handbook of Electrical Engineering (Dorf 1st and 2nd editions 1993 & 1997)

--Section Editor of Information Technology in the Encyclopedia of Public Health. (Editor in Chief, Lester Breslow; Publisher: Macmillan Reference 2002

-2002 – IEEE-EMBS Magazine. *Bioterrorism Special Issue*, September-October, Co-Guest Editor.

-2004 – IEEE-EMBS Magazine. *Homeland Security Special Issue*, Jan/Feb, Co-Guest Editor.

-2004 – IEEE-EMBS Magazine. Guest Editor, *Special Issue* The Healthcare and Public Health Critical Infrastructure, November- December 2008.

2001-2007: AMIA – Chair Knowledge in Motion Working Group

2001-2006: AMIA – Member of the Public Policy Committee

2006 –EMBS Annual Conference - Chair Special Workshop on Healthcare Informatics (Security, Privacy and Information Assurance)

2007- EMBS Annual Conference - Chair Special Workshop on Healthcare Informatics (Security, Privacy and Information Assurance)

2008-2011 – Appointed US Representative to the World Federation of Engineering Organizations (WFEO) Committee on Information and Communications (CIC)

2008- Present- Appointed to the United Nations – IEEE Humanitarian Challenge