



Metin AKAY received his B.S. and M.S. in Electrical Engineering from the Bogazici University, Istanbul, Turkey in 1981 and 1984, respectively, and a Ph.D. degree from Rutgers University in 1990. He also received an honorary Ph.D. from both the Aalborg University in 2015 and from the Silesian University in 2021. He is currently the founding chair of the new Biomedical Engineering Department and the John S. Dunn professor of biomedical engineering at the University of Houston. He is currently the Past President and the Chief Ambassador of IEEE Engineering in Medicine and Biology Society and the Chair-Elect of the IEEE BRAIN Initiative. He is also the Chair of the International Academy of Medical and Biological Engineering (IAMBE).

He has played a key role in promoting biomedical education in the world by writing and editing several books, editing several special issues of prestigious journals, including the Proc of IEEE, and giving several keynotes and plenary talks at international conferences, symposiums, and workshops regarding

emerging technologies in biomedical engineering. He is the founding editor-in-chief of the Biomedical Engineering Book Series published by the Wiley and IEEE Press and the Wiley Encyclopedia of Biomedical Engineering. He is also the editor of the Neural Engineering Handbook published by Wiley/IEEE Press and the first steering committee chair of the IEEE Trans on Computational Biology and Bioinformatics.

He established the IEEE EMBS Special Topic Conference on Neural Engineering. He is also the chair of the IEEE EMBS Neuroengineering Technical Committee. He was the program chair of the International IEEE EMBS 2001 and the co-chair of the International IEEE EMBS 2006 and the program co-chair of the International IEEE EMBS 2011 and the IEEE EMBS Point-of-Care Health Technologies (POCHT) 2013.

He currently serves on the advisory board of several international journals including the IEEE T-BME, IEEE T-ITIB, Smart Engineering Systems, etc. and furthermore serves on several NIH and NSF review panels. Dr. Akay is a recipient of the IEEE EMBS Early Career and Service awards as well as an IEEE Third Millennium Medal and is a fellow of IEEE, the Institute of Physics (IOP), the American Institute of Medical Biological Engineering (AIMBE), and the American Association for the Advancement of Science (AAAS).

His Neural Engineering and Informatics Lab is interested in developing a novel Brain Chip for precision medicine and an intelligent wearable system for monitoring and detecting coronary artery disease. In addition, his lab is currently investigating the effect of maternal alcohol and nicotine intake on the health risk in newborns.