EMBC 2021 Special Session: Tips on Effective Presentation Design and Delivery

Session Chairs:

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Theme 11: Biomedical Engineering Education and Society

Abstract: For many of us oral presentations can be the prime means for communicating our ideas and our research, not only to our peers, but also to our employers and to potential customers. As students, you are no exception the prospect of an oral presentation can be daunting, the pressure is on to make a good impression with your research. That we are scientists presenting sometimes very complicated scientific ideas and results need not necessarily be a recipe for a sleep inducing "death by PowerPoint" presentation, rather there are simple ways in which we can all try and make our presentations effective and captivating. This session aims to give you some all-round pointers on preparing and delivering an effective presentation that best conveys your ideas smoothly, understandably and, most important, succinctly.

Speakers:

Christopher J. James: Prof. James received the B.Elec.Eng. (Hons) degree in from the University of Malta (1992) and a Ph.D from the University of Canterbury, New Zealand (1997). He was a postdoctoral research fellow at the EEG department of the Montreal Neurological Institute, of McGill University, Montreal, Canada (1997-1998), and a postdoctoral research fellow (1998-2001), and then Lecturer (2001-2003) with the Neural Computing Research Group of Aston University, Birmingham, UK. From 2004-2010 he was a Reader in Biomedical Signal Processing at the University of Southampton, UK. He was a chair in Healthcare Technology at the University of Warwick, UK and Director of the Institute of Digital Healthcare, before joining the School of Engineering in November 2013 as Director of Warwick Engineering in Biomedicine. Professor James is currently Chair of the Institute of Electrical and Electronic Engineers (IEEE) UK & Republic of Ireland (UKRI) Section (~11,000 members), Chair of the IEEE UKRI Engineering in Medicine & Biology Society (EMBS) Chapter, and a member of the IEEE EMBS Administrative Committee as Europe Representative. He is immediate past Chair of the Executive Committee of the Institution of Engineering and Technology (IET) Healthcare Technology Network, is on the IET TPN Steering Committee and has advised IET on Healthcare Technology matters for the Faraday Lectures, and has presented for IET at outreach activities. He represents the IET on the Royal Academy of Engineering's UK Biomedical Engineering focus committee. Professor James is Editor-in-Chief of IET Healthcare Technology Letters, and was Series Editor for the Biomedical Signals and Systems book series of Artech House Publishers; Editor in Chief of the Open Medical Informatics Journal, Associate Editor for IEEE Transactions on Biomedical Engineering. He sits on the editorial advisory board of the IEEE Spectrum Magazine and IEEE Open Access Journal. He is Associate Editor of the IEEE EMBS Conference Editorial Board (Neural Engineering Theme) and he has been actively involved in many IEEE EMBS committees - mainly on student activities. He has instigated and organises the PGBIOMED series of biomedical engineering student conferences which have taken place from 2003 to date.

Cristian A. Linte: Dr. Linte is an Associate Professor in the Department of Biomedical Engineering and Chester F. Carlson Center for Imaging Science at Rochester Institute of Technology. He holds two graduate degrees in Biomedical Engineering from Western University and Robarts Research Institute in Canada and pursued a research fellowship at the Biomedical Imaging Resource at Mayo Clinic. Dr Linte's research has focused on the development, validation, and pre-clinical translation of novel algorithms and techniques for biomedical image computing, modeling, visualization, and computer vision for applications in computer-assisted diagnosis and therapy planning, guidance and monitoring. Over the past decade, his research has been disseminated in more than 150 articles, conference proceedings, book chapters and editorials. He has edited several journal special issues and book volumes, and has organized and chaired several international conferences and workshops in the field, including SPIE Medical Imaging – Image-guided procedures, Robotic Interventions and Modeling Conference, IPCAI, and the decade-long AE-CAI workshop series at MICCAI.

Both speakers have hosted several workshops on *Presentation Design and Delivery* featured at previous EMBS editions since 2009 and have also written several columns and short education articles on the topic.