

IEEE EMBC'16 in Orlando.



August, 2016, President Chiang and Immediate Past President Penzel were invited to "The 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'16)" to chair symposia and to give lectures on sleep science and technology. In this conference, President Chiang also presented on the "Global Sleep Technology Standards Establishment" which still attracts attention and results in discussion among the participants during recent weeks. During this period, Dr. Chiang successfully exchanged point of views with most of the participants and companies from the industry, including Medtronic which is one of the leading medical instrument companies rooted in U.S. and Quanta Computer Inc, which is a globally known company from Taiwan. They achieved consensus on the sleep technology standards. According to the conclusion, the ISSTA is preparing to form 10 committees on:

1. Characterization of Bio-signals for Sleep Technology
2. Quality for Sleep-Related Bio-signals monitoring (including Wearable technology)
3. Quality of Sleep Health and Wellness Apps
4. Standards on Information Provision Assisting Sleep-Related Life Style
5. Sleep Health Framework for Community
6. Sleep Technology Framework for Smart Wellness Park
7. Sleep Technology Infrastructure for Smart Cities
8. The Standards for Detection and Analysis of Fatigue Level
9. The Standards of Sleep Environment
10. Risk Assessment for Errors of Sleep Technology Monitoring



Dr. Chiang hoped this critical international communication can create opportunities for future collaboration between academia, industry, including the members from International Sleep Science and Technology Association (ISSTA, www.issta-sleep.org) Berlin Headquarter, Taiwan Chapter, Turkish Hub, and also members from the Sleep Technology Consortium (STC, <http://sleeptechconsortium.org>) under MOST (Ministry of Science and Technology) of Taiwan government, including Quanta Computer Inc., ASUS Inc., Compal Electronics Inc., Wistron Inc., AIQ Smart Clothing Inc., Zoetek Inc.etc. In addition, Dr. Chiang has been invited to be the chief editor of the very big project - "Handbook Series of Health and Wellness Industry" from the most prestigious publisher- Springer - in the world, which might be able to facilitate this "Global Sleep Technology Standards Establishment"



