

Colloquium

科學計算於大腦神經科學與應用 Computational Modeling for Brain Neuroscience Research and Applications

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Li-Wei (Leo) Ko received the B.S. degree in mathematics from National Chung Cheng University in 2001, the M.S. degree in educational measurement and statistics from National Taichung University in 2004, and the Ph.D. degrees in Electrical Engineering from National Chiao Tung University (NCTU), Taiwan, in 2007. He currently is an assistant professor in both Department of Biological Science and Technology, and Brain Research Center (BRC) in NCTU.

He is also the visiting scholar at Institute for Neural Computation in University of California, San Diego (UCSD). In academic service, he serves as the **Associate Editors** of IEEE Transactions on Neural Networks and Learning Systems (TNNLS, **Impact Factor: 4.370, Rank: 2/102, Top: 1.96% of COMPUTER SCIENCE, THEORY & METHODS**) in IEEE Computational Intelligence Society (CIS) since 2010, and Journal of Neuroscience and Neuroengineering (JNSNE) since 2012. Dr. Ko is invited to be the **Editor Board members** of ISRN Automotive Engineering journal and the Scientific World Journal since 2013. Dr. Ko is the technical committee members of **Neural Network Technical Committee (NNTC)** and **Fuzzy Systems Technical Committee (FSTC)** in IEEE CIS. Dr. Ko chaired a task force on “Fuzzy Modeling in Brain Computer Interactions and Cognitive Systems” in FSTC. His primary research interests are Neural Engineering and Mobile Wireless Healthcare including EEG signal processing and applying computational intelligence technologies to analyze neural physiological activities associated with human cognitive functions and develop the mobile and wireless brain machine interface in daily life applications. Dr. Ko currently has published **32** journal papers, **71** conference papers, **8** book chapters, **20** program committees in international conferences, **14** invited talks, and **15** paper awards.