

The IEEE International Conference on Consumer Electronics–Taiwan 2018

The IEEE International Conference on Consumer Electronics–Taiwan 2018 (ICCE-TW) was successfully held 19–21 May 2018 at Taichung’s National Chung Hsing University. ICCE-TW served as a grand venue for exchanging the latest technical advances in CE between industry participants and scholars from many countries. As a platform for researchers from all over the world, ICCE-TW aims to initiate professional fields. Experts from CE companies, universities, and research institutions met in Taichung to share knowledge with many outstanding experts, and this conference represented a unique opportunity for global networking.

This year, under the main theme of “Artificial Intelligence on Consumer Electronics for Smart Future,” the conference organizers prepared a solid scientific program for all participants. The conference organizers took the opportunity to thank all Technical Program Committee members for delivering a program of high quality and interest containing innovative ideas.

Also, 2018 was the first time ICCE-TW was held in Taichung. Taichung is full of traditional culture, science, humanities as well as entertainment, and it offers magnificent scenery, making it the ideal city to host ICCE-TW 2018. The conference organizers believe the

cultural background and beautiful landscape of Taichung made this conference an unforgettable experience for participants from all over the world, and we trust that all attendees brought back with them many happy memories from ICCE-TW 2018.

The conference was held at the National Taichung Theater. The venue was constructed as an extension to the National Concert Hall and Theater, which was initially completed in 1987. Many attendees visited the Earthquake Museum of Taiwan that was built in memory of a major temblor that struck on 21 September 1999. The consequential loss of life as well as property damage made this earthquake one of the worst natural disasters in Taiwan over the past century.

In addition to a comprehensive technical program that covered many CE applications, ICCE-TW 2018 featured a series of keynote addresses. There were four keynote talks that covered a broad range of the latest technical advances in CE. The first was delivered by Jay Kuo, who is the director of the Media Communications Laboratory at University of Southern California. This talk commenced by discussing the superiority in performance of convolutional neural networks. This was followed by another interesting keynote by Julia Chung, who is the director general at the Department of Information and Technology Education, Taiwan Ministry of Education. It focused on deep-learning networks in consumer health-care technology. The two other keynote speeches were delivered by Ken Sugiyama of NEC



A group picture of the conference tour at the Earthquake Museum of Taiwan.



Participants engage in discussion during the “Artificial Intelligence on Consumer Electronics for Smart Future” panel.

Data Science Research Laboratories, followed by Bor-Sung Liang of Mediatek with “History of Personal Media Terminals: From Walkman to Apple Watch” and “From Tera-scale to Exa-scale: Computing Trend for Artificial Intelligence and Blockchain,” respectively.

A panel discussion on the conference theme of “Artificial Intelligence on Consumer Electronics for Smart Future” was on the first day. It was chaired by Wen-Chung Kao of National Taiwan Normal University, Taipei, with a panel of experts in artificial intelligence from

both industry and universities in the United States and Taiwan.

New to ICCE-TW 2018 was a tutorial conducted by Ken Sugiyama of NEC Data Science Research Laboratories. He presented an effective way to compose technical papers for young researchers, such as entry-level engineers and postgraduate students. The approach was thoroughly discussed with practical examples.

The ICCE-TW 2019 conference will be held 20–22 May at the Evergreen Resort Hotel (Jiaosi) in Yilan City. Details of ICCE-TW 2019 can be found at www.icce-tw.org. We look forward to welcoming you in Taiwan at ICCE-TW 2019.

—Chih-Peng Fan
Yu-Cheng Fan

Yin-Tsung Hwang,
ICCE-TW 2018, General Chairs,
and Bernard Fong, Conference Editor

The IEEE International Conference on Video and Audio Signal Processing in the Context of Neurotechnology

The third IEEE Conference on Video and Audio Signal Processing in the Context of Neurotechnology (SPCN) was held from 29 May to 1 June 2018 at the Pavlov Institute of Physiology, Russian Academy of Sciences, St. Petersburg, Russia. The work of founder and lead General

Chair Prof. Yuri Shelepin, together with an organizing committee consisted of many Pavlovians (adopting Nobel Laureate Ivan Pavlov’s experimental methodology), resulted in 78 presentations, 33 posters, and a brain–computer interface (BCI) brain data experiment on topics ranging from advanced brain–vision research, artificial neural networks and digital data processing, biological neural networks, and sensory physiology-to-neural clinical research.

Perception interpretation triggered by the quality of image, to the brain neural net activity resulting from visual, somatosensory, and auditory system interactions were discussed throughout the auditorium.

Digital Object Identifier 10.1109/MCE.2018.2880847
Date of publication: 6 February 2019