

## Session C: Electrical & Photonic Technology

3-1 Green Energy

3-2 Intelligent Control

3-3 Biomedical Electronics

3-4 Photonics : Material, Device, Technology and Application

3-5 Optical Engineering

October 4 (Thursday) / Venue : E509				
Time	ID	Speaker	Title and Affiliation	Page
14:30 – 15:00	C1-I-01	Jeen-Shing Wang	Integration of Wearable and AI Technology in Medical Applications	N.A.
15:00 – 15:30	C1-I-02	<u>Tatsana Thomthong<sup>†</sup></u> , Saharat Samakthai*, and Thawatchai Wongsang	The Plastic Film Sheet Width Measurement Machine	C1-01
15:30 – 16:00	C1-O-01	Chia-Feng Liu, Jing-Yau Tang, Ling-Han Kung* and Ling-Sheng Jang	Improvement of Attention in Learning Using Extremely Low Frequency Electromagnetic Field National Cheng Kung University *Ashaka Technology Inc.	C1-03
	C1-O-02	Chia-Feng Liu, Jing-Yau Tang, Ling-Han Kung* and Ling-Sheng Jang	Pet Emotion Soothing Using Extremely Low Frequency Electromagnetic Field National Cheng Kung University *Ashaka Technology Inc.	C1-04
	C1-O-03	Jolo Gerard Miel Tolentino, Kryzz Amiel Magpantay, Aaron Raymond See*, Yi-Chun	Pilot study on the classification method using SSD model of CNN for identifying kidneys and bladders in ultrasound images De La Salle University *Southern Taiwan University of Science and Technology	C1-05

		Du*, Renann Baldovino and Nilo Bugtai		
16:00 – 16:30	<u>Coffee Break</u>			
16:30 – 17:00	C1-O-04	Chih-Yu Tsai, Pei-Ling Cheng, Hang Hong Kuo and Aaron Raymond See	Development of a Microprocessor based Wireless Blood Pressure Monitoring System Southern Taiwan University of Science and Technology	C1-06
	C1-O-05	Exekiel Anthony Vergara, Joy Melein Arellano, Brandon Carlo Lorenzo, Ryann Rafael Razon and Evelyn De Castro	MCU Based Protection Suit for Human Fall Detection with GPS Locator Lyceum of the Philippines University Batangas	C1-07
	C1-O-06	Ming-Shyan Wang*, Muslikhin Muslikhin†, and Ting-Hui Lin	PWM Switching Strategies Study on Brushless DC Motor Drives Southern Taiwan University of Science and Technology	C1-08
17:00 – 17:40	C2-O-01	<u>Tzu-Yu Chen</u> , Hung-Pin Hsu, Der-Yuh Lin, Guan-Ting Lu, Tsung-Shine Ko and Hone-Zern Chen.	Optoelectronic investigations of p-type ZnO and n-type MoS <sub>2</sub> heterojunction diode Ming Chi University of Technology	C2-03
	C2-O-02	<u>Ya-Liang Lin</u> , Yi-Hui Chen, Zong-Liang Tseng, Hung- Pin Hsu and Ya- Fen Wu.	Optical Properties of Organometal Halide Perovskite Films Ming Chi University of Technology	C2-04
	C2-O-03	<u>Yi-Hui Chen</u> ,	Temperature-dependent Photoluminescence of	C2-05

		Ya-Liang Lin, Zong-Liang Tseng, Hung- Pin Hsu and Ya- Fen Wu.	Organometal Halide Perovskite Ming Chi University of Technology	
	C2-O-04	<u>Hsiang Kao</u> , Chien-Hsiang Chang	A new type of composite electrolyte for all- solid-state lithium battery National ChengKung University	C2-06

<b>October 5 (Friday) / Venue: E509</b>				
<b>Time</b>	<b>ID</b>	<b>Speaker</b>	<b>Title and Affiliation</b>	<b>Page</b>
09:00 – 09:30	C2-I-01	Prof.Tatsuo Mori	Fabrication of Organic Perovskite Solar Cells in AIT Laboratory Aichi Institute of Technology	C2-01
09:30 – 10:00	C2-I-02	Prof.Shouou-Jinn Chang	Growth and characterization of ZnSe-based 0D multi-quantum disk structure Department of Electrical Engineering, National Cheng-Kung University	C2-02
10:00 – 10:20	<u>Coffee Break</u>			
10:20 – 11:00	Academic Exchange			
11:00 – 11:20	C1-I-03	Ivan Hanafi	N.A.	C1-02