



2024 International Conference on Intelligent Technology and Sustainable Environment

2024 智慧科技暨永續環境國際研討會

(College of Intelligent Technology, Hungkuang University, Taichung, TW)

Sustainable Environment

Date: October 30, 2024 13:50-16:20

Room I

Agenda:

Time	Oral Presentation		Attendee
13:50-14:00	Transition Venue		
	Parallel sessions <Round 1> Host: Prof. Ming-Chin Chang		
	Paper No.	Topic	Author
14:00-14:20	SE-061	Effect of Ammonium on Copper recovery under fluidized bed homogenous crystallization system	Ming-Chun Lu, Josel B. Godezano, Delia B. Senoro
14:20-14:40	SE-65	Assessment on the Effects of Iron in Nickel Carbonate Granulation	Viatto Leonard D. Palangan, Ming-Chun Lu, Florencio C. Ballesteros
14:40-15:00	SE-048	Simulation Study on Integrating PLC, SCADA, and Off-Grid Systems for Interior Design Lighting	Roy Gunawan
15:00-15:20	Coffee break		
	Parallel sessions <Round 2> Host: Prof. Jiann-Ming Wang		
	Paper No.	Topic	Author
15:20-15:40	SE-023	Applying AI Image Tools to Assist Environmental Image Monitoring	Chin-Hsiang Luo, Ming-Pin Chen
15:40-16:00	SE-026	Combined Chlorination Process Assisted by a High Photoelectrochemical System for the Treatment of PPCPs-IBU.	Cheng-Han Yu, Cheng-En Li, Wei-Lung Chou
16:00	Closing ceremony		



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Intelligent Technology

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Room II

Agenda:

Time	Oral Presentation		Attendee
13:50-14:00	Transition Venue		
	Parallel sessions <Round 1> Host: Prof. Jian-Hua Tong		
	Paper No.	Topic	Author
14:00-14:20	IT-005	Fuzzy Rank-Based AcneNet Acne Recognition Model	Hsuan-Chiao Hung, Chiun-Li Chin, Shang-En Chiang, Chih-Hui Wang, Yi-You Wang, Zie-Jie Lin
14:20-14:40	IT-015	Semantic Segmentation with Mask2Former in Aerial Ground Survey - A Field as an Example	Yun-Xuan Liu, Shiuan Wan, Tsu Chiang Lei
14:40-15:00	IT-004	Automatic Facial Symmetry Quantification in Orthognathic Surgery: A Novel Approach Using 3D Contour Mapping and Hyperdimensional Computing-Based Machine Learning	Hsiu-Hsia Lin, Wen-Chung Chiang, Lun-Jou Lo
15:00-15:20	Coffee break		
	Parallel sessions <Round 2> Host: Prof. Hui-Ling Yang		
	Paper No.	Topic	Author
15:20-15:40	IT-006	Intelligent Paper Lunch Box Processing System Based on DishNet	Shang-En Chiang, Chiun-Li Chin, Hsuan-Chiao Hung, Chih-Hui Wang, Zie-Jie Lin
15:40-16:00	IT-016	Develop two predictive models and verifications to analyze time series data of cryptocurrency	Yi-Han Lin, Yu-Hsin Cheng, Shiuan Wan
16:00-16:20	IT-001	Open Document Format (ODF) Software in Education and Sustainable Environment	Rong Jea
16:20	Closing ceremony		



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Smart Medicine & Healthcare

Date: October 30, 2024 13:50-16:20

Room III

Agenda:

Time	Oral Presentation		Attendee
13:50-14:00	Transition Venue		
	Parallel sessions <Round 1> Host: Prof. Yen-Po Huang		
	Paper No.	Topic	Author
14:00-14:20	IT-003	GenAI and IoT Applications in Care Environments	Mars Lin, Ming-Hung Tsai, Ya-Yi Lin
14:20-14:40	SMH-002	Cortical Bone Thickness and Cancellous Density Effects on Implant Stability	Shiuan-Hui Wang, Lih-Jyh Fuh, Heng-Li Huang, Yen-Wen Shen, Jui-Ting Hsu
14:40-15:00	SMH-004	Detecting the Severity of Ataxia Gait Using Markerless Motion Tracking and Deep Learning	Ming-Hui Lai, Don-Gey Liu, Ching-Hwa Cheng, Chung-Yu Lai
15:00-15:20	Coffee break		
	Parallel sessions <Round 2> Host: Prof. Yu-Chi Chen		
	Paper No.	Topic	Author
15:20-15:40	SMH-010	Mechanical Analysis of the Lumbar Cage with Triply Periodic Minimal Surface Lattices	Zih-Jing Kuo, Hung-Chih Chang, Chih-Hsiang Chen, Ding-Rui Chen, Kuan-Ting Lai, Ding-Hua Tsai
15:40-16:00	SMH-012	Using cross-correlation function to evaluate cardiovascular disease progress by blood pressure, blood flow, and respiratory signals in hypertension and stroke	Ben-Yi Liao, Shoou-Jeng Yeh, Chi-Wen Lung, Yih-Kuen Jan
16:00-16:20	SMH-016	A Study on the Gait of Individuals with Autism Spectrum Disorder	Wei-Jie Guo, Yu-Chi Chen, Shu-Zon Lou
16:20	Closing ceremony		