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***Topic: Innovative Technology and Computational Thinking in Education (W6)***

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*A Novel Intelligent Option Trading System by Multiple Kernel Adaptive Filters*

Shian-Chang Huang, Chei-Chang Chiou, Jui-Te Chiang and Cheng-Feng Wu

*The Nexus of Financial Development and Economic Growth in Major Asia Economies: China, Japan and India*

Cheng-Feng Wu, Shian-Chang Huang, Tsangyao Chang, Chei-Chang Chiou and Qiannan Tian

*Analysis of the Linkage Between China's Exchange Rate and Stock Price Index - Based on Wavelet Analysis*

Hsin-Pei Hsueh and Fangjhy Li

*A Study on the Influence of Mind Map Teaching Method on the Learning Achievements of Students Studying Human Resources Management Courses*

Yung-Chin Chen, Chun-Hao Su and Chei-Chang Chiou

*Introducing EAP into the Financial Enterprise-Taking a Bank in the Central Region as an Example.*

Li-Yu Chiang, Yung-Chih Chen, Hsiu-Chen Tsai and Fei-Chuan Chen

*A Study on the Ethical Issues of School Research for a University in Taiwan*

Li-Yu Chiang and Fei-Chuan Chen

*Examining the Antecedents of Customer Loyalty in O2O Retailing Business*

Irene Y.L. Chen and Stephen J.H. Yang

**JULY 21 (Sunday) 15:15-17:30 Session 21P3**

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***Topic: Theories, models, and algorithms***

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*Hybrid Access Control Mechanism for Secure Cloud Communication*

Gowtham Mamidiseti and Ramesh Makala

*Automatic Feature Extraction and Face Recognition Using Convolutional Neural Networks*

Anuj Rapaka, Kampalli Ramu and Ravi Teja Kocherla

*Mining Multiple-Level High Utility Patterns in Transaction Databases*

Ya-Han Hu, Gao-Yen Chen and Min-Wei Huang

*An Improved Algorithm for Solving Multiple Traveling Salesman Problem*

An-Hung Cheng and Ming-Chao Chiang

*An Effective Deep Learning Algorithm for Intrusion Detection*

Yi-Lin Chen, Huan Chen and Chun-Wei Tsai

*Constructing the Bio-Iris detection Model by Using Deep Learning Approach*

Chien-Fang Huang and Mu-Yen Chen

*Using Deep Learning Approach to Detect the Driver Violations Behaviors*

Li-Siang Huang, Mu-Yen Chen and Min-Hsuan Fan

*Using Deep Learning Approach to Build the Stock Price Forecasting Model*

Jing-Long Huang, Min-Hsuan Fan and Mu-Yen Chen

*Constructing the Multi-Sensor Signals and Tool Wear Model by using Classification and Clustering Methods*

Mu-Yen Chen, Jyh-Yih Hsu and Hsin-Yao Hsu



**JULY 21 (Sunday) 15:15-17:30 Session 21P4**

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***Topic: Innovation in Medical service, Learning, and Teaching (W15)***

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*What Drives VR Gameplay Intention? A Case Study of Experienced Users*

Kuo-Lun Hsiao, Ting-Yu Wang and Chia-Chen Chen

*Resource Garbage Automatic Classifier*

Chun-Hsiung Lee, Kuo-Lun Hsiao and Yan-Hua Huang

*Use of Brainwave Measurement to Assess Preference Degree for Game Apps*

Hsiu-Sen Chiang, Yu-Lun Tsai and Wei-Chin Hsu

*EEG Signal-based Detection of Depressed Mood Characteristics*

Hsiu-Sen Chiang, Li-Shih Liao and Yi-Chun Chen

*Exploring the Impact of Teacher-induced Stress on Learning Outcomes*

Chien-Yuan Lai, Wen-Hsien Wu and Hsiu-Sen Chiang

*Saving and lock-in: How to improve customer repurchase intention on mobile shopping*

Yi-Hsiu Cheng and Hsi-Peng Lu

*English Learning Mobile Applications Design: The Case of TOEIC Vocabulary*

Yi-Ting Wang, Kuan-Yu Lin, Zhe-Ming Zhang and Cheng-Jun Lin

## Day 4

**JULY 22 (Monday) 9:30-11:30 Session 22A1**

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***Topic: Innovative Transportation and Logistic Supply Chain Systems (W18); Innovative Computing in Education***

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*Empty Container Dispatching Model in Inland Transportation System Considering Fuzzy Demand*

Min-Der Ko

*A Multi-stage Supply Chain Networks Model with Fuzzy Demand*

Min-Der Ko

*The Green Harbor Speed Limit for Reducing Air Pollution by Fuzzy Method*

Sheng Long Kao, Jia Lin Lin and Meng-Ru Tu

*Fuzzy Crossing Priority for Inland River Bridge*

Sheng Long Kao, Meng-Ru Tu, Chien-Min Su, Yung-Shang Cheng and Jia Lin Lin

*A Novel Multi-Objective Genetic Algorithm to Improve Warehouse Picking Efficiency*

Mengru Tu, Ming-Feng Yang, Sheng-Long Kao, Min-Der Ko and Cheng-Kuan Lin

*Innovative Blockchain System for Global Supply Chain Trade*

Mengru Tu, Sheng-Long Kao, Tsai-fu Hu and Chan-Min Tsai

*Exploring Cognitive Load and Learning Motivation through Game-Based Learning in STEM subjects*

Yang Hsiang Tsai and Chia Chen Chen

*Application of Augmented Reality in Geometric Education*

Chi Yu Chao, Chia Chen Chen and Chun Hung Chen

*The Effects of an Augmented Reality and ARCS-based Mobile System on Students' Learning Achievement, Motivation and Flow Experience for an Astronomy Course*

Ting Yu Wang, Chia Chen Chen and Pei Hsuan Lin

*The Effects of STEAM-based Mobile Learning on Students' Learning Achievement and Cognitive Load in Elementary School Science Class*

Po Hao Huang and Chia Chen Chen

*Students' anti-drug self-efficacy, motivation in virtual learning environments, and achievements*

Yu-Jie Chen, Chia Wen Chiu and Tien-Chi Huang