

Session 29A1

July 29 (Wed.) 09:00-10:30

TOPIC: INTELLIGENT COMPUTING METHODS & APPLICATIONS, SPORT MANAGEMENT, MEDICAL MANAGEMENT AND TECHNOLOGY EDUCATION

SESSION CHAIR: PROF. JING-WEI LIU

MEETING ROOM: CEDAR

Investigation on Cognition, Attitude and Willingness of Organ Donation by Nurses in Taiwan – Take the nurse in the ICU of the A Medical Center in Central Taiwan as an example

Minchuan Huang and Iping Chen

Scenario Analysis of Medical Treatments on Patients with Knee Osteoarthritis

Shih-Chin Tan and Chun-Liang Lai

An Analysis of Table Tennis Players' Point Techniques and Tactic Chine Through GRU Model of The Deep Learning

Ting Wu Ho, Ming-Hua Hsu, Sheng-K Wu and Jing-Wei Liu

Developing a Game-Based Learning Model for Increasing Sustained Attention and Inhibiting Impulsive Behavior of Elementary Students with ADHD

Li-Chu Hung, Yi-Hui Liu and Jing-Wei Liu

The Internet of Things and its application to Marathon Events in the Context of Sport Tourism

Eusebio C. Leou, Rachel M. Ruan and Runzhe Yu

Decision-making Model of Supply Chain Movement Risk for Footwear Industry

Chang Che-Wei

Constructing an Evaluation Model for Rowers

Sheng-Hsiang Chen and Jing-Wei Liu

Session 29B1

July 29 (Wed.) 09:00-10:30

TOPIC: MANAGEMENT SCIENCE, MEDICAL ELECTRONICS AND INFORMATICS

SESSION CHAIR: PROF. KUO-LUN HSIAO

MEETING ROOM: CYPRESS

A Study on the Effects of Chinese Classical Dance Movements on College Students' Self-awareness and Emotion Regulation

Yingping Wang, Xiaoqi Ling, Dianhuai Shen and Xiaojing Lu

Exploring the factors of continuance intention to use a food-ordering chatbot

Kuo-Lun Hsiao and Yu-Sian Chen

r-Reference Points Based k-Means Algorithm

Ching-Lin Wang, Shao-Wei Chu, Shyr-Shen Yu and Yung-Kuan Chan

Exploring Engagement and Satisfaction Through Strategy Theory Combine with E-Book Learning in Science Subject

Yang-Hsiang Tsai, Chia-Chen Chen and Pei-Hsuan Lin

Effect of competition on learning motivation and performance in junior high students' mathematics under Social Cognitive Theory in Taiwan

Hsing-Ying Tu, Chia-Chen Chen and Pei-Hsuan Lin

Factors Affecting Learners' Continuance Intention to Use English Language Learning Mobile Apps

Yi-Ting Wang and Kuan-Yu Lin

Exploring Caregivers' Purchase intention on Smart Speakers Base on A Theory of Consumption Values

Ling-Yu Chang and Chia-Chen Chen

The study of customer's intention adventurous and humanities travel - A Case of East and South Asia travel

Hsin Yen Chung and Chia-Chen Chen

Session 29A2

July 29 (Wed.) 11:00-12:30

TOPIC: MANAGEMENT, INFORMATION AND TECHNICAL INNOVATION

SESSION CHAIR: PROF. YI-HUI LIU

MEETING ROOM: CEDAR

Using Remote Sensing on Assessment of Forest Carbon Sequestration for Decision Support Management- A Case Study of Taiwan

Pao-An Lin, Ruei-Yuan Wang, Hsiao-Chi Ling and Jui-Yuan Chu

Implementing for Innovative Management of Green Tourism and Leisure Agriculture in Taiwan

Yi-Huang Tao, Ruei-Yuan Wang, Hsiao-Chi Ling and Jui-Yuan Chu

A study of FCM for facial color detection with big data

Chih-Huang Yen and Bo-Kai Yang

Effective combination and analysis of "Big data" and "Classic marketing"

Pin-Yuan Huang, Hsiao-Chi Ling and Ruei-Yuan Wang

Discussion on Biomedical Image Acquisition and Processing

Chen-I Lin, Fu-Shin Lee, Hsiao-Chi Ling, Antony Chiang and Pin-Hsien Ho

Research on the Combination of Professional Certification and PBL in Instructional Programming Course Design

Hui-Chen Tsai

Smartphone use, self-perceived health, and sleep quality among university students

Tzu-Yuan Hsu and Shih-Pei Chang

The relationship between the innovation atmosphere of the Taiwan high school sports student school and the commitment of the students

Meng-Yuan Sung, Tzu-Yuan Hsu and Fu-Yuan Hong

Session 29A3

July 29 (Wed.) 13:15-14:45

TOPIC: RECENT ISSUES IN EDUCATION, TECHNOLOGY, INNOVATION, HEALTH, FINANCE AND ACCOUNTING RESEARCHES

SESSION CHAIR: PROF. YI-MAUN SUBEQ & PROF. TSAI-FU TSAI

MEETING ROOM: CEDAR

Corporate Financial Risk, Financial Market Conditions, and Firm's Tax Avoidance Behavior

Feng-Jui Hsu, Sheng-Hung Chen and Chih-Chien Hsieh

Sweet candy or bitter poison: The default risk under US Federal Reserve's quantitative easing

Feng-Jui Hsu and Sheng-Hung Chen

A Study of the Indigenous Elders' Health Literacy and Social Capital in Taiwan

Tsai-Fu Tsai, Yi-Maun Subeq, Hsiao-Ching Huang, Yu-Chen Cheng and Hsiu-Lan Kung

Using TP-GAN for Indepth Learning to Enhance the Health Literacy of Indigenous School Children

Yi-Maun Subeq, Tsai-Fu Tsai, Chia-Chi Lee, Hsiao-Ching Huang and Maiya Balalavi

A Study of the Cultural Congruency Revision of Questionnaires Related to the Living Activities for the Indigenous Elders in Taiwan

Hsiu-Lan Kung, Yi-Maun Subeq, Tsai-Fu Tsai, Su Fen Lan and Chia-Chi Lee

The Study of Learning Effectiveness for Nurse Post graduate Year and Nursing Students after Electronic Simulator Teaching Program

Yu-Hsin Liu and Yi-Maun Subeq

Session 29B2

July 29 (Wed.) 13:15-14:45

TOPIC: AIOT AND INTELLIGENT MARINE ENGINEERING MANAGEMENT

SESSION CHAIR: PROF. MENGRO TU

MEETING ROOM: CYPRESS

Modeling of a sensor-based fault-avoidance cyber-physical system controller for AIOT applications

Mengru Tu

An Order Batching Method Based on Group Genetic Algorithm for An Order Picking System with The Largest Gap Routing Policy

Ming-Feng Yang, Sheng-Long Kao, Mengru Tu, Han-Fei Ho, Yen-Ting Chao, Ming-Hung Wu and Sun-Ching Yao

Development and Sensing IoT of Automatic Route Planning System for Marine Navigation Safety

Sin-Der Lee, Shang-Yun Yang and Mengru Tu

Storage assignment problem with multiple pickers and congestion considerations for a pick-and-pass system

Ming-Feng Yang, Min-Der Ko, Po-Hsun Shih, Yi-Zheng Chu, Yen-Ting Chao, Sun-Ching Yao and Mengru Tu

GGA with Eugenic mating and Re-group mechanism based on return policy for Order Batching Problems in a Picker-To-Part System

Ming-Feng Yang, Sheng-Long Kao, Han-Fei Ho, Yen-Ting Chao, Ming-Hung Wu, Sun-Ching Yao and Mengru Tu

The AIS CubeSat Remote Sensing IoT for navigation safety

Pei-Yi Chen, Sheng-Long Kao, Hui-Hsuan Shen, Mengru Tu and Hsun-Tsan Shen

The AIoT for green Sun Moon Lake management

Ying-Ting Wang, Sheng Long Kao and Mengru Tu

The underwater Remote sensing IoT via multi-beam sonar and GIS for Shihmen Dam terrain and structure depiction

Co-Ler Ho, Jia-Lin Lin, Sheng Long Kao, Chien-Min Su and Mengru Tu

Session 29A4

July 29 (Wed.) 15:00-17:00

TOPIC: INNOVATIVE TECHNOLOGY AND COMPUTATIONAL THINKING IN EDUCATION I

SESSION CHAIR: PROF. CHEI-CHANG CHIOU

MEETING ROOM: CEDAR

A Comparison in Accuracy of the IMDb review models base on Deep Learning of Neural Network

I-Fang Chang and Wei Min Lin

Impact Analysis of Employers Migrating to Foreign Countries after the Amendment of Article 52 of the Employment Services Law

Yung-Chih Chen, Yuan-Sheng Lin and Hui-Lung Chen

Promoting EAP Services of the IPA to Explore the Effectiveness - As an Example in bank of C for this example

Yung-Chih Chen, Fei-Chuan Chen, Yuan-Sheng Lin and Hui-Lung Chen

The Value and Research in Geology Park Development Experiences

Yung-Chih Chen, Yuan-Sheng Lin and Hui-Lung Chen

The Research in Product Brand Marketing: The Case Study of Taiwan Geology Park

Chun-hao Su and Yuan-Sheng Lin

Investigating the Factors Affecting Adults' Learning of Popular Jazz Piano

Shih Chien Sun, Mei Yu Lu and Shih Chou Lien

Investigating the Key Factors Affecting Consumers' Repurchase in Brand Cosmetics A Case Study of Female Consumers

Mei Yu Lu, Shih Chien Sun and Shih Chou Lien

The Research on the Critical Success Factors of Sustainable Development of Urban-rural Gas Stations – Taking Private Gas Stations in Changhua County as Examples

Shih Chou Lien, Mei Yu Lu and Shih Chien Sun

Exploration on service learning for a University in Taiwan

Li Yu Chiang and Fei Chuan Chen

Session 29B3

July 29 (Wed.) 15:00-17:00

TOPIC: INNOVATIVE TECHNOLOGY AND COMPUTATIONAL THINKING IN EDUCATION II

SESSION CHAIR: PROF. CHENG-FENG WU

MEETING ROOM: CYPRESS

Study on the Accuracy of Single Artificial Neural Networks and Improved LSTM Models-Taking IMDb Movie Film Review Models as an Example

Chun Jung Chen and Fan Yun Kong

Using Behavior of Interactive Whiteboard Based on Technology Acceptance Model of Study-an example in one of the senior high school

Chun-Hsu Tsai and Yuan-Sheng Lin

The nexus between electricity and economic growth: New evidence from the United States, India, and China using bootstrap ARDL test with a fourier function and machine learning approach

Cheng-Feng Wu, Shian-Chang Huang, Tsangyao Chang, Chei-Chang Chiou and Yung-Chih Chen

A Study on Self-efficacy of Students Career Decision-making for Senior High School Specialized in Gaming Program -An Example for the Senior High School in the Central of Taiwan

Chun-Hsu Tsai and Yuan-Sheng Lin

Developing an Instrument for Assessing Self-efficacy in Data Mining and Analysis

Yu-Min Wang, Chei-Chang Chiou, Wen-Chang Wang and Chun-Jung Chen

Intelligent FinTech Data Mining by Advanced Deep Learning Methods

Shian-Chang Huang, Chei-Chang Chiou, Meng-Chen Lin and Cheng-Feng Wu

Research on the Construction of Performance Indexes for the Hospitality Industry and Credit Card Issuing Banks Marketing Alliance by Using the Balanced Scorecard and Fuzzy AHP

Jui-Te Chiang, Shuh-Chyi Doong, Chei-Chang Chiou and I-Fang Chang

Session 29B3

July 29 (Wed.) 15:00-17:00

TOPIC: INNOVATIVE TECHNOLOGY AND COMPUTATIONAL THINKING IN EDUCATION II

SESSION CHAIR: PROF. CHENG-FENG WU

MEETING ROOM: CYPRESS

Financial development and economic growth in major Asian countries: A bootstrap ARDL test with a fourier function

Meng-Chen Lin, Cheng-Feng Wu and Sheng-Feng Shih

Leader Humility and Team Task Performance: Examining the Mediator of Team Empowerment and the Moderators of Employee Traditionalism and Team Competitive Psychological Climate

Yunchen Yu, Tinghua Lin and Anyi Chung

The Relationship Between Social Capital and Sales Performance: Examining the Moderating Effect of Corporate Social Responsibility, Workplace Friendship and Positive Personality

Tinghua Lin and Yunchen Yu

Session 30A1

July 30 (Thu.) 09:00-10:30

TOPIC: SERVICE DESIGN AND MANAGEMENT SCIENCE

SESSION CHAIR: PROF. HIDETSUGU SUTO & PROF. JIUNN-WOEI LIAN

MEETING ROOM: CEDAR

Establishing project management platform using natural language processing technology integrating cloud computing and the Internet of Things (IoT) interactive concepts

Jieh-Haur Chen, His-Hua Pan and Wei-Han Chen

Understanding the Service Experience of Staff-less Smart Store- Integrate Information and Marketing Perspectives

Jiunn-Woei Lian

Information System Consolidation of Multi-Family Residential Housing Management and Epidemic Intelligence Management

Chi-Tz Kuo

Multilayer Perceptron Method in Indoor Air Quality Prediction Model - a Case of Formaldehyde

Chih-Yuan Chang, San-Shan Hung, Jia-Lang Xu, Yi-Ting Lin, Zheng-Nan Li and Xiao-Yun Zeng

Application Wireless Sensor Technology in Construction Industry Safety Management

Pei Ru Wang and Ren-Jye Dzeng

Workload Evaluation of Elevated Operation in Construction Worksite Using Continuous Heart Rate Monitoring

Chi-Ming Chia, Chyi Herng Teh, Wei-Cheng Chen and Hui-Ping Tserng

Understanding Switching Intention Between AI and Traditional Customer Service in Banking

Cai-Wei Li, Jiunn-Woei Lian and Ching-Ting Chang

Session 30B1

July 30 (Thu.) 09:00-10:30

TOPIC: MANAGEMENT SCIENCE, SOCIAL NETWORK RESEARCH AND APPLICATION

SESSION CHAIR: PROF. CHIEN-HSIANG LIAO

MEETING ROOM: CYPRESS

Linking Mechanisms in Social Networks

Chien-Hsiang Liao

Using Social Facebook and Flipped Learning Approach for Computer Science Education

Yu-Sheng Su and Tai-Quan Liu

A Resident-Domain-based Approach for Continuously Monitoring Spatial Keyword Searches

Jun-Hong Shen, Ching-Ta Lu and Rou-Hua Wang

Exploring the factors of mobile payment adoption

Jia-Yuan Zhang and Kuo-Lun Hsiao

Accuracy of COP trajectory estimation with different numbers of pressure sensors on the insole

Wen-Teng Liu, Li-Wei Chou, Yi-Tung Yang, Hui-Ting Lin and Wen-Pin Hu

Impact of Weather on the Schedule of Offshore Wind Farm Turbines Installation in the Taiwan Strait

Hung-Yi Chen, Sy-Jye Guo, Jen-Hao Liu and Hui-Ping Tserng

ML-Based SD-IoT Network Traffic Classification of Fi-Wi Access Networks

I-Shyan Hwang

Session 30A2

July 30 (Thu.) 10:45-12:15

TOPIC: INNOVATIVE COMPUTING, DATA ANALYSIS AND INTELLIGENT COMPUTING FOR AWARENESS APPLICATIONS

SESSION CHAIR: PROF. LONG-SHENG CHEN

MEETING ROOM: CEDAR

Istoshare: An information system integrated with economic incentives to reduce the intentions of pet owners for abandoning pets

Ting-Wei Kang and Long-Sheng Chen

Using Machine Learning Methods to Detect Medicare Fraud

Long-Sheng Chen and Jia-Chuan Chen

Research on detecting driving distraction using deep learning methods

Yi-Hui Tung, Mu-Yen Chen and Min-Hsuan Fan

Research on the Data Exploration and Classification Algorithms for Aircraft Safety Accidents

Jung-Kai Huang, Mu-Yen Chen and Min-Hsuan Fan

Using Deep Learning Approach to Construct the Fake News Detection Model

Yi-Wei Lai, Jiunn-Woei Lian and Mu-Yen Chen

Design of Situated-Based Board Game for English Learning

Yun-Siang Yang and Hong-Ren Chen

Images Recognition of Taiwanese Handwritten Digital String

Chien-Sheng Chan, Min-Hsuan Fan, Chih-Teng Chen and Chin-Wei Liu

Session 30A3

July 30 (Thu.) 13:15-14:45

TOPIC: TECHNOLOGIES FOR NEXT-GENERATION NETWORK ENVIRONMENTS

SESSION CHAIR: PROF. JUN-HONG SHEN

MEETING ROOM: CEDAR

Threshold-Adjusted ORB with Protective Closing Strategies by Continuous Optimization Algorithms

Jia-Hao Syu and Mu-En Wu

Particle Swarm Optimization on Threshold-Adjusted Opening Range Breakout Strategy

Yu-Chen Wang, Mu-En Wu and Jia-Hao Syu

Hybrid Internet of Things (IOT) Data Transmission Security Corresponding to Device Verification

Ming-Shen Jian and Ming-Tai Wu

Cloud Language Learning Based on Role Player Game System with Third Party Application

Ming-Shen Jian, Chih-Ling Fan and Sih-Jhih Jian

Cloud Based Modular Evolution Algorithm for Disassembly Line Network Problems

Ming-Shen Jian and Yu-An Chen

Session 30B2

July 30 (Thu.) 13:15-14:45

TOPIC: INNOVATION APPLICATION IN INTERNET/INTELLIGENCE SERVICES AND EXPERT SYSTEMS

SESSION CHAIR: PROF. HSIU-SEN CHIANG

MEETING ROOM: CYPRESS

A medical consultation recommendation system based on text mining

Kai-Jui Yang, Kuan-Yu Chou and Hsiu-Sen Chiang

Applying Decision Tree to Personalized Programming Learning Path Recommendation

Chien-Yuan Lai, Wei-Kai Huang, Jing-Yi Chen and Hsiu-Sen Chiang

High-risk accident prediction model based on machine learning

Da-Jie Lin, Hsin-Hsien Liu, Wei-Ling Tsao and Hsiu-Sen Chiang

Can gamification enhance online shopping intention? A case study of Shopee

Ya-Ting Lee and Kuo-Lun Hsiao

The factors influencing consumers' intention to use food delivery apps: A comparison of Uber eats and Foodpanda

I-Lin Lee and Kuo-Lun Hsiao

Innovative Online Service Application Developed with Google Flutter

Yu-Lung Lo and Ta-Wei Chang

Session 30A4

July 30 (Thu.) 15:00-16:30

TOPIC: MULTIMEDIA AND NETWORK I

SESSION CHAIR: PROF. KUO-CHENG CHUNG

MEETING ROOM: CEDAR

Applying the Theory of the Spiral of Silence on the Internet Public Opinions Expression

Kuo-Cheng Chung

Disclosure or not? The study of Online Privacy Management

Hsueh-Hsuan Tsai and Kuo-Cheng Chung

Proactive customer service performance and Organizational Citizenship Behaviours: Based on Intermediate Regulation Model

Te-Sheng Li and Kuo-Cheng Chung

How used dramaturgic theory to enhance service value of Long-term care? A Case study of the institutional care of long-term care facility

Tzu-Yu Lin and Kuo-Cheng Chung

Using Agradual Analysis for Improve Learning Calculation in the Limit Gradient to Predict the Prognostic State of Emergency Trauma Patients

Tzu-Chieh Lin, Kuo-Chang Lee, Gwo-Jiun Horng, Kuo-Tai Chen and Chien-Chin Hsu

Streetview Analysis based on Deep Learning to Optimize Navigation Movement Path

Ding-Chau Wang, Kai-Lun Wu and Gwo-Jiun Horng

The Anomaly Detection Mechanism Using Deep Learning with a Limited Amount of Data

Gwo-Jiun Horng, Min-Xiang Liu, Chien-Chin Hsu and Chao-Chun Chen

Session 30B3

July 30 (Thu.) 15:00-16:30

TOPIC: MULTIMEDIA AND NETWORK II

SESSION CHAIR: PROF. TZER-LONG CHEN

MEETING ROOM: CYPRESS

Forecasting wind power generation based on machine learning

Zi-Ming Huang and Hsiu-Sen Chiang

Exploring the Impact of Adaptive Teaching on Learning Performance-Web Front End Programming Courses

Ching-Yu Chang, Chien-Yuan Lai and Hsiu-Sen Chiang

A Study on the Integration of Information Volunteers in Distance Learning Program

Tsan-Ching Kang, Ya-Hsueh Chuang, Chien-Chien Lo, Chi-Kai Huang and Tzer-Long Chen

Net Cage Culture Management System

Chien-Yun Chang, Tzer-Long Chen, Jhih-Chung Chang and Ming-Chen Ho

The Application of Smart Contract in the E-commerce of New Era

Ya-Hsueh Chuang, Tsan-Ching Kang, Tzer-Long Chen, Chien-Yun Chang and I-Fang Chang

Building Crowded and Roll Call System based on Beacon

Chien-Yun Chang, Zhen-Yu Wu, Tzer-Long Chen, Ting-Yuan Wu and Tzer-Shyong Chen

Building a diving safety mechanism based on IoT

Jo-Hung Yu, Meng-Tsung Lee, Mei-Mei Chang and Chih-Chien Shen

Building sailboat electronic referee based on deep learning

Yen-Chiao Chuang, Chih-Chien Shen, Tsai-Yu Lai and Chien-Hung Wu
