

# MISNC & APCIM & IEMT 2020 Joint International Conference

## Program-at-a-Glance

| Date/Time                             |             | Session Title                                |   |  |
|---------------------------------------|-------------|--|---|--|
| Oct. 31,<br>2020<br>(Garden<br>Villa) | 08:30-17:00 | Registration                                 |   |  |
|                                       | 09:30-10:10 | Opening Ceremony                             |   |  |
|                                       | 10:10-11:00 | Online Presentation<br>Keynote Speech (I)    |   |  |
|                                       | 11:00-11:10 | Coffee Break                                 |   |  |
|                                       | 11:10-12:00 | Onsite Presentation<br>Keynote Speech (II)   |   |  |
|                                       | 12:00-13:30 | Lunch  |   |  |
|                                       | 13:30-15:00 | On-site Presentation<br>Session 1 (MISNC*6)  | TASN DAY                                    |  |
|                                       | 15:00-15:30 | Coffee Break                                 |   |  |
|                                       | 15:30-17:00 | On-site Presentation<br>Session 2 (MISNC*6)  | On-site Presentation<br>Session 3 (APCIM*6) |  |
|                                       | 18:00-20:00 | Welcome Reception                            |   |  |
| Nov. 1, 2020<br>(Garden<br>Villa)     | 08:30-17:00 | Registration                                 |   |  |
|                                       | 09:30-10:15 | On-site Presentation<br>Session 4 (APCIM*3)  | Online Presentation<br>Session 5 (MISNC*3)  |  |
|                                       | 10:15-10:45 | Coffee Break                                 |   |  |
|                                       | 10:45-11:45 | On-site Presentation<br>Session 6 (APCIM*4)  | Online Presentation<br>Session 7 (MISNC*3)  |  |
|                                       | 11:45-13:30 | Lunch  |   |  |
|                                       | 13:30-15:00 | On-site Presentation<br>Session 8 (APCIM*6)  | Online Presentation<br>Session 9 (IEMT*5)   |  |
|                                       | 15:00-15:30 | Coffee Break                                 |   |  |
|                                       | 15:30-17:00 | On-site Presentation<br>Session 10 (APCIM*6) | Online Presentation<br>Session 11 (APCIM*6) |  |
|                                       | 18:00-20:30 | Banquet                                      |   |  |
| Nov. 2, 2020<br>(Garden<br>Villa)     | 09:30-17:00 | Kaohsiung City Visit                         |   |  |

# Day 1 October 31, 2020 (Saturday)

## Opening Ceremony

Time: 09:30-10:10 Room: 102 Chair: Prof. Kai Wang

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Speaker 1 (online): Honorary Chairs of APCIM 2020, Prof. Yutaka Ueda, President of JSIM, Seikei University, Japan

Speaker 2 (online): Honorary Chairs of IEMT 2020, Dr. Somchai Santiwatanakul, President of Srinakharinwirot University, Thailand

Speaker 3 (onsite): General Chair of MISNC 2020, Dr. I-Hsien Ting, National University of Kaohsiung, Taiwan

## Keynote Speech 1 (Online)

Time: 10:10-11:00 Room: 102 Chair: Prof. Tzung-Pei Hong

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Speaker: Prof. Leon Shyue-Liang Wang, Former President of TASN and National University of Kaohsiung, USA

Title: *Follow us @*     

## Keynote Speech 2 (Onsite)

Time: 11:10-12:00 Room: 102 Chair: Prof. Been-Chian Chien

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Speaker: Prof. Cheng-Te Li, National Cheng-Kung University, Taiwan

Title: *How Powerful are Graph Neural Networks on Social Data Science?*

## Session 1-MISNC 2020 & IEMT 2020 (Onsite)

Time: 13:30-15:00 Room: 102 Chair: Prof. Yen-Hsien Lee

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### **MISNC 2020**

1. *Solving Unbound Knapsack Problem Using Monte Carlo Tree Search*

Vani Suthamathi Saravananarajan, Rung-Ching Chen, Christine Dewi and Long Shen Chen

2. *Forecasting the Trends of Stock Price through Social Networks by Fuzzy Support Vector Machine with Possibility Measures*

Pei-Yi Hao

3. *Bibliometric analyzing of Long-term Care Research during the Period of 2000 to 2019*

Hsiao Man Lin, Li-Ren Liou, Nan-Chieh Huang and Chien-Ping Li

4. *An Automatic Labeling Approach for Stable and Unstable Human Gait Classification in Videos*

Chen-Sen Ouyang, Ming-Hsu Wu and Tzung-Pei Hong

5. *Mining Personality Traits from Social Text Messages*

Hsin-Chang Yang, Chung-Hong Lee and Chia-Yi Yeh

### **IEMT 2020**

6. *Patent Informatics in Predicting Stock Price and Increasing Investment Performance in*

## **China**

Yu-Jing Chiu, Kuang-Chin Chen and Hui-Chung Che

### **Session 2-MISNC 2020 (Onsite)**

Time: 15:30-17:00 Room: 102 Chair: Prof. Yu-Lung Wu

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1. ***The Construction and Validation of the Dimensions and Scale of Service Quality of The Police Service***  
Yu-Lung Wu, Wu-Chuan Yang and Shih-Hsing Cheng
2. ***Effect of Online Ad on Click Intention: The Emotion Induction Perspective***  
Chuan-Chun Wu, Chienhsing Wu, Hsin-Chung Chu
3. ***A Novel Approach to Predicting Live-Stream Subscribers***  
Yu-chen Yang, Yen-Hsien Lee, Shao-hung Lee and Shanlin Chang
4. ***Social Commerce Research: A Literature Review***  
Ying-Feng Kuo and Fei-Lung Chen
5. ***Determinants of We-intention for Continual Playing FPS Game: Cooperation and Competition***  
Kai Wang, Keng-Chang Chang and Zhe-Wei Chang
6. ***The Impact of Mobile Advertising Content and Advertising Value on User Loyalty Taking LINE Official Account as an Example***  
Wu Yu Wei, Yang Shu-Cheng and Chia-Jung Hsu

### **Session 3-APCIM 2020 (Onsite)**

Time: 15:30-17:00 Room: 107 Chair: Prof. Chienhsing Wu

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1. ***Minimizing Manpower Level with Multi-cell, Multi-period and Operator Assignment: A Case Study of the Hinge Manufacturing***  
Yiyo Kuo and Nguyen Thi Khanh Tam
2. ***An intelligent warehouse management system for screw factory***  
Hsin-Yun Chang and Pei-Hsuan Tsai
3. ***U-shaped Assembly Cell Design with Precedence Relationship and Working Time***  
Yiyo Kuo and Tzu-Ling Huang
4. ***Casting Production Improvement With System Simulation***  
Kuentai Chen, Hui-Chen Chen, Chien-Chih Wang and Junting Liu
5. ***A Case Study on Improve Mobile Phone Process Quality Using Six Sigma Methods***  
Chien-Chih Wang and Chi-Hung Kuo Kuo
6. ***Optimizing Plastic Injection Molding Process for Color Difference Quality Through Six Sigma Methodology***  
Chien-Chih Wang and Yu-Hsun Li

## Welcome Reception

Time: 18:00-20:00

Room: Hoya Restaurant, Garden Villa

## Day 2 November 1, 2020 (Sunday)

### Session 4-APCIM 2020 (Onsite)

Time: 09:30-10:15 Room: 102 Chair: Prof. Kai Wang

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1. *A Study on Traditional Teaching Method Transferring to Online Learning Under the Covid-19 Pandemic - A Push Pull Mooring Model Perspective*  
Chien-Liang Lin, Sung Wen Yu and Yuan Qing Jin
2. *Impact of Leadership and Emotional Intelligence on Business*  
Atif Ali
3. *The visual fatigue assessment for contrast and reflectivity of electronic paper displays*  
Po-Hung Lin and Bo-Wei Yang

### Session 5-MISNC 2020 (Online)

Time: 09:30-10:15 Room: 103 Chair: Prof. Chuan-Chun Wu

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1. *How Do Students and Researchers Behave and Feel While Playing the “Online Attention Game”?*  
Tadao Obana, Miha Takubo, Yohko Orito, Kiyoshi Murata, Hidenobu Sai and Tadayuki Okamoto
2. *Consumers’ Priorities for Online Flea Market*  
Takashi Okamoto, Jiro Yatsunami and Naoki Mizutani
3. *Rebuilding Food Supply Chain with Introducing Decentralized Credit Mechanism*  
Yu Cui, Hiroki Idota and Masaharu Ota

### Session 6-APCIM 2020 (Onsite)

Time: 10:45-11:45 Room: 102 Chair: Prof. I-Hsien Ting

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1. *A Research to Understand the Effect of Different Layouts on Complete All Facilities in the Amusement Park – a Case Study of Leo Foo Amusement Park*  
Syuan-Ying Chen and Ping-Yu Chang
2. *Exploring Consumer Online Purchase Face Mask Switching Behavior through Demographic Migration Theory*  
Sung Wen Yu, Jun-Yan Liu and Chien-Liang Lin
3. *A multi-objective model to optimize traveling schedule under time and budget constraint – A case study in Taipei*

Li-Hsin Chang and Ping-Yu Chang

4. *Sensory Impression and Tourist Revisiting Intention to an Attraction Abstract*

Chih-Chin Liang and Chien-Yun Lin

### Session 7-MISNC 2020 (Online)

Time: 10:45-11:45 Room: 103 Chair: Prof. Hsin-Chang Yang

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1. *In-store journey model based on ID-POS data and in-store journey data*  
Yutaro Ishimaru, Hiroyuki Morita and Yusuke Goto
2. *Performance Comparison of Clustering Algorithm Based Collaborative Filtering Recommendation System*  
Yuching Lu, Totsuka Koki, Goutam Chakraborty and Masafumi Matsuhara
3. *Facebook Campaigns During the 2019 Greek General Elections*  
Amalia Triantafillidou and Georgios Lappas

### Session 8-APCIM 2020 (Onsite)

Time: 13:30-15:00 Room: 102 Chair: Prof. Sam Tung-Hsiang Chou

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1. *Wood Veneer Defects Auto-detection System*  
Yu-Chang Hsu and Ssu-Han Chen
2. *Apply nonlinear 0-1 integer programming to a fire-fighting equipment inspection route problem*  
Jian Wei Huang and Wei-Tai Weng
3. *Surface Defect Detection using GAN and Mask RCNN: A Case of Wafer Die*  
Yu-Cheng Chan and Ssu-Han Chen
4. *An Artificial Intelligence Inspection System for Pineapple Surface Defect*  
Yu-Wei Lai, Yan-Rung Lin, Chung-Lun Kuo, Yu-Sung Lin and Ssu-Han Chen
5. *The Relationship between Limitation and Promotion on an on-Line Shopping – An Exploratory Factor Analysis*  
Chih-Chin Liang and Yu-Wen Lin
6. *Negative News Sentiment Analysis*  
Ta Chun Yu

### Session 9-IEMT 2020 (Online)

Time: 13:30-15:00 Room: 103 Chair: Prof. Suppanunta Romprasert

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1. *Encouraging Students' Performances by Training Soft Skills in Learning Process: Case Study of Public Economics Class*  
Nantarat Tangvitoontham
2. *Made in China 2025 and its Green Production Strategic: What is the next turn of State-*

### *Owned Enterprises in China?*

Suppakorn Khonkhlong

### 3. *Low Fertility in Taiwan – Analysis using Bayesian VAR approach*

Hisakazu Kato

### 4. *The Input-Output Table of Sports Industry in Thailand*

Sivalap Sukpaiboonwat and Aotip Ratniyom

### 5. *Is there Kuznets curved in Thailand ?*

Ravipan Saleepon

## **Session 10-APCIM & IEMT 2020 (Onsite&Online)**

Time: 15:30-17:00 Room: 102 Chair: Prof. Hiroshi Koga

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### **Onsite**

#### **APCIM 2020**

### 1. *The effect of stock price movement labeling on prediction accuracy and trading performance*

Yeh-Chun Juan, Lan-Sheng Yao and Yi-Xuan He

### 2. *Experimental Validation of Database-Assisted Spectrum Sharing Using 3.5 GHz LTE equipment*

Yubor Wang, Vivian Ko, Nonny Hung and Miles Wang

#### **IEMT 2020**

### 3. *Building Generalized Trust in Thailand*

Savinee Suriyanrattakorn and Chia-Lin Chang

### **Online**

### 4. *Analysis of the COVID-19 Pandemic on Twitter*

Kazunori Minetaki

### 5. *Hilarious uses of Excel*

Hiroshi Koga

### 6. *Effects of internships on self-evaluations of mastery of the fundamental competencies for working persons*

Takashi Okamoto, Masae Sonoda, Shuji Fukahori, Nobuyuki Soga, Satoru Fukugaichi and Kousuke Tawa

## **Session 11-APCIM 2020 (Online)**

Time: 15:30-17:00 Room: 103 Chair: Prof. Masaharu Ota

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### 1. *Data information management by network centrality analysis in sports*

Koh Sasaki, Ichiro Watanabe, Jun Murakami and Yasuto Terada

### 2. *New Business Model for Offshore Development in Federal Democratic Republic of Nepal - Japan/Korea/Nepal Trilateral Cooperation Model-*

Tetsuro Saisho

3. *An Empirical Study of Adaptation to New Technology by Factories*

Osam Sato and Yoshiki Matsui

4. *The Potential Role of Equity Culture in Tohoku Reconstruction*

Masaki Fujiwara and Masahiro Arima

5. *Visualization of Bi-directional Paths between Corporate Social Performance and Corporate Financial Performance of All Listed Companies in Japan*

Hiroshi Sasaki, Scott Davis and Shuichi Suzuki

6. *A New Design and Structure of Supply Chain System for Improving the Resilience*

Yu Cui, Masaharu Ota and Hiroki Idota

## **Conference Banquet**

Time: 18:00-20:30 Room: Howard Hotel