

Conference Program

March 26-28, 2019

Kyoto, Japan

ACEAIT

Annual Conference on Engineering and
Information Technology

APLSBE

Asia-Pacific Conference on Life Science and
Biological Engineering

ICBASS

International Conference on Business and
Social Science

ACEAIT

Annual Conference on Engineering and Information Technology

ISBN: 978-986-89298-6-9

APLSBE

Asia-Pacific Conference on Life Science and Biological Engineering

ISBN: 978-986-5654-49-8

ICBASS

International Conference on Business and Social Science

ISBN: 978-986-89298-7-6

Content

General Information for Participants.....	3
International Committees	5
International Committees	9
Special Thanks to Session Chairs	13
Conference Venue Information.....	14
Kyoto Research Park, Building 1	17
Conference Schedule	18
Natural Sciences Keynote Address	21
Social Sciences Keynote Speech (1).....	23
Social Sciences Keynote Speech (2).....	24
Oral Sessions	25
Computer and Information Sciences (1)/ Electrical and Electronic Engineering (1).....	25
Education (1).....	27
Management (1)	28
Biological Engineering/ Life Science (1)	30
Communication/ Psychology (1).....	31
Management (2)	32
Electrical and Electronic Engineering (2)	33
Social Studies (1).....	35
Finance	37
Computer and Information Sciences (2).....	39
Education (2).....	41
Management (3)	43
Computer and Information Sciences (3).....	44
Law/ Politics	46
Management (4)	47
Civil Engineering/ Mechanical Engineering	48
Fundamental and Applied Sciences (1).....	50
Management (5)/ Economics.....	51
Environmental Science/ Chemical Engineering.....	53
Fundamental and Applied Sciences (2)/ Material Science and Engineering	54
Management (6)	55
Life Science (2).....	56
Education (3)/ Psychology (2)/Social Studies (2).....	58
Poster Sessions (1).....	60
Fundamental and Applied Sciences/ Material Science and Engineering/ Life	

Science (1)	60
Poster Sessions (2)	65
Civil Engineering/ Computer and Information Sciences/ Electrical and Electronic Engineering/ Environmental Science/ Mechanical Engineering/ Biological Engineering (1)/ Life Science (2)	65
Poster Sessions (3)	69
Biological Engineering (2)/ Life Science (3)	69
Poster Sessions (4)	73
Communication/ Education/ Psychology/ Economics/ Management	73
Poster Sessions (5)	77
Material Science and Engineering/ Electrical and Electronic Engineering/ Life Science (4)	77

General Information for Participants

■ **Registration**

The registration desk will be situated on the **4st floor** at **Kyoto Research Park** during the following time:

15:00-17:00, Tuesday, March 26, 2018

08:30-16:00, Wednesday, March 27, 2019

08:30-16:00, Thursday, March 28, 2019

■ **A Polite Request to All Participants**

Participants are requested to arrive in a timely fashion for all addresses. Presenters are reminded that the time slots should be divided fairly and equally by the number of presentations, and that they should not overrun. The session chair is asked to assume this timekeeping role and to summarize key issues in each topic.



Sandals or Slippers



Tank Top



Shorts

■ **Certificate**

Certificate of Presentation or Certificate of Attendance

A certificate of attendance includes participant's name and affiliation, certifying the participation in the conference. A certificate of presentation indicates a presenter's name, affiliation and the paper title that is presented in the scheduled session.

Certificate Distribution

Oral presenters will receive a certificate of presentation from the session chair at the end of the session. Poster presenters will receive a certificate of presentation from the conference staff at the end of their poster session.

The certificate of presentation will not be issued, either at or after the conference, to authors whose papers are registered but not presented. Instead, the certificate of attendance will be provided after the conference.

■ **Preparation for Oral Presentations**

All presentation rooms are equipped with a screen, an LCD projector, and a laptop computer installed with Microsoft PowerPoint. You will be able to insert your USB flash drive into the computer and double check your file in PowerPoint. We recommend you to bring two copies of the file in case that one fails. You may also connect your own laptop to the provided projector; however please ensure you have the requisite connector.

Preparation for Poster Presentation

Materials Provided by the Conference Organizer:

1. X-frame display & base fabric canvases (60cm×160cm)
2. Adhesive tapes or binder clips

Materials Prepared by the Presenters:

3. Home-made poster(s)
4. Material: not limited, can be posted on the canvases
5. Recommended poster size: 60cm*120cm



<p>A 60cm*160cm poster illustrates the research findings.</p>	<ol style="list-style-type: none"> 1. Wider than 60cm (left) 2. Copy of PowerPoint slides in A4 papers (right)

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International Committee of Natural Sciences

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Conference Venue Information

Kyoto Research Park, Building 1

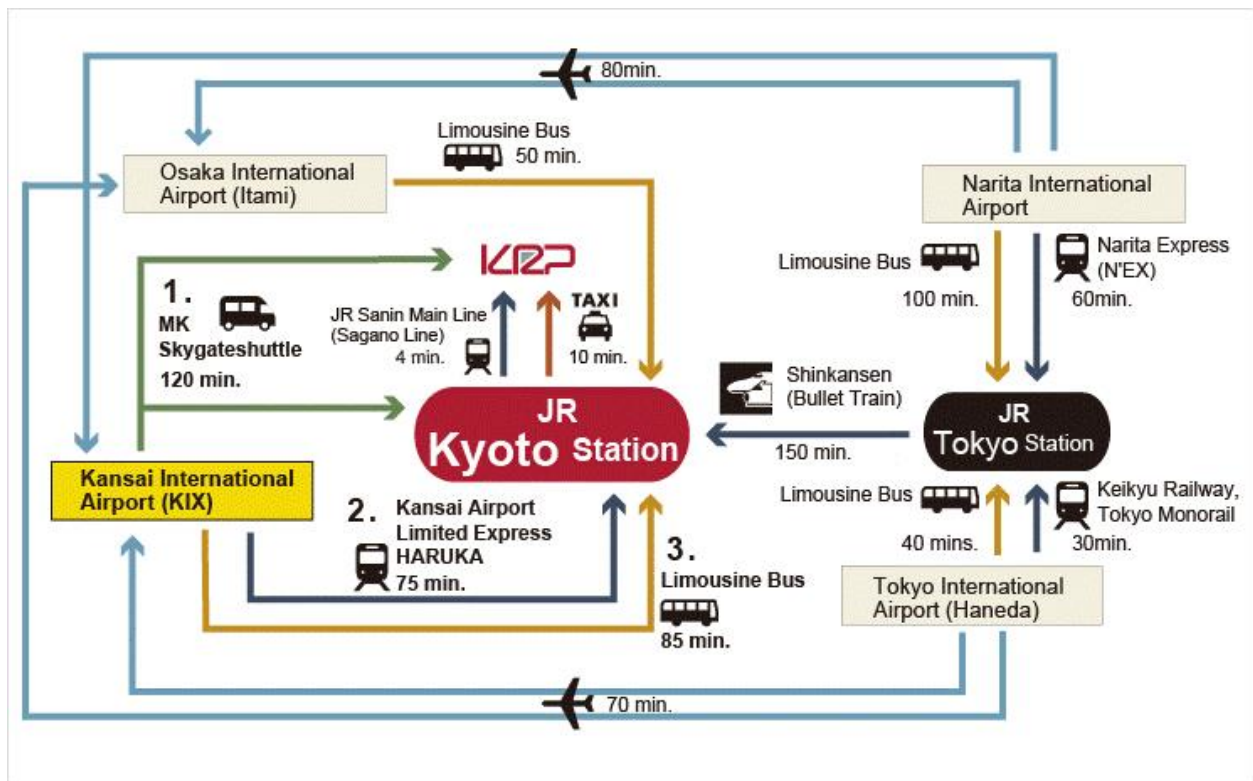
134, Chudoji Minami-machi, Shimogyo-ku, Kyoto 600-8813, Japan

Phone: + 81-75-322-7800

Location



Transportation



From Kansai International Airport to Kyoto city

A. Take MK Skygateshuttle taxi (Terminal 1, gate H)

This service takes you directly to your destination. A Shuttle reservation is required 2 days before your arrival date. The Meeting point (MK counter) is located next to Gate H of the airport South Exit at terminal 1. Traveling time is about 120 minutes. JPY 4,200 per person.

B. Take Limousine Bus

1. Take Limousine Bus from gate 8 at terminal 1 or gate 2 at terminal 2 to Kyoto Station. JPY 2,550 per person.

2. From Kyoto Station, take JR E Line (San-in Line) to Tambaguchi station. (1 stop)

C. Take Kansai Airport Limited express Haruka

Purchase your ticket from JR-WEST ticket office in the airport. It takes 1 hour and 10 minutes from Kansai International Airport to Kyoto station.

From Osaka International Airport to Kyoto City

A. Take Limousine Bus

1. Take Limousine Bus from gate 5 at North terminal or gate 15 at South Terminal to Kyoto Station. JPY 1,310 per person.

From Tokyo Station

A. Take Tokaido Shinkansen to Kyoto station.

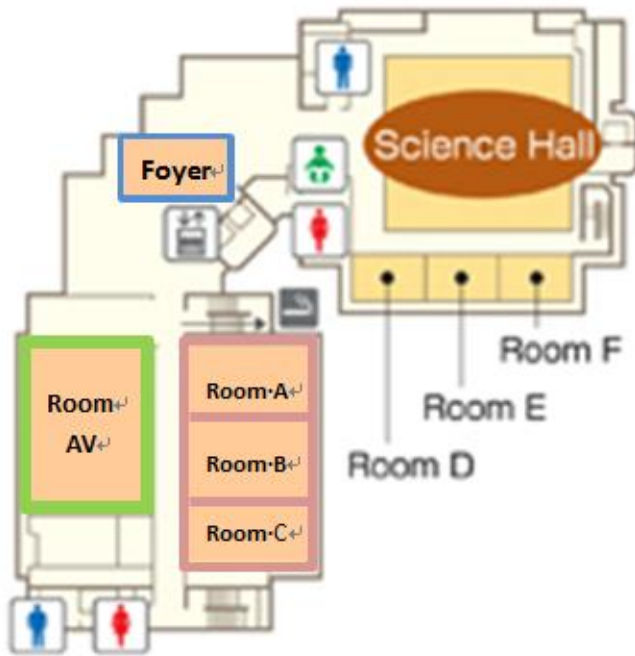
You can purchase your ticket at Tokyo station. It takes 2 hours and 20 minutes to reach Kyoto station.

From Tambaguchi station to Kyoto Research Park.

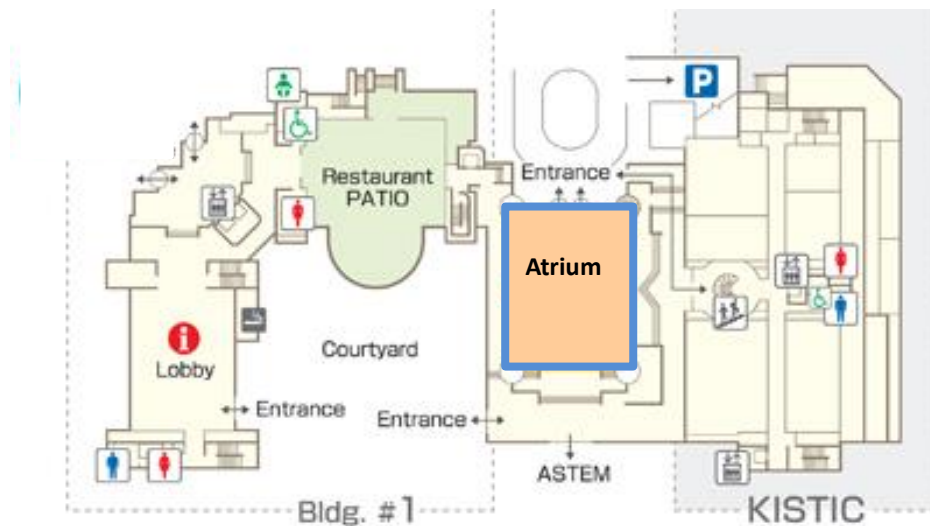
1. Take the path to the station ticket gate.
2. Go down the hallway and turn left.
3. Walk two blocks and turn left.
4. Kyoto Research Park will be on the right.

Kyoto Research Park, Building 1

The 4th East block floor plan



The 1st East block floor plan



Registration: Foyer area, 4th floor

Poster Session: Room AV, 4th floor

Tea Break & Networking: Foyer area and Room AV, 4th floor

Oral Session: Room A, B and C, 4th floor

Lunch: Atrium, 1st floor

Conference Schedule

Tuesday, March 26, 2019		
15:00-17:00	Pre-Registration	Kyoto Research Park Building 1, Foyer Area, 4F
17:00	Gathering for Gala Dinner Party (Optional)	Kyoto Research Park Building 1, Foyer Area, 4F
17:00-20:00	Optional Socializing Event- Gala Dinner Party (Optional)	Ganko Takasegawa Nijoen

Wednesday, March 27, 2019		
Oral Session		
Kyoto Research Park ,Building 1, 4F		
Time	Schedule	Venue
08:30-16:00	Registration	Foyer Area, 4F
08:45-10:15	Computer and Information Sciences(1)/ Electrical and Electronic Engineering (1)	Room A, 4F
	Education (1)	Room B, 4F
	Management (1)	Room C, 4F
10:15-10:30	Tea Break & Networking	Foyer Area, 4F
10:30-12:00	Natural Sciences Keynote Address Dr. Cheng-Hung Huang <i>Topic: Engineering Applications for the Inverse Design Problems</i>	Room A, 4F
	Social Sciences Keynote Address (1) Dr. David C. Donald <i>Topic: Legal Systems as Platform-Managed Norm Networks</i> Social Sciences Keynote Address (2) Prof. Tsuyako Nakamura <i>Topic: Gender Diversity Management in Japan: A Case Study to Promote Women's Empowerment in the Business Community</i>	Room C, 4F

Wednesday, March 27, 2019		
Oral Session		
Kyoto Research Park ,Building 1, 4F		
12:00-13:00	Lunch Time	Atrium, 1F
13:00-14:30	Biological Engineering/ Life Science (1)	Room A, 4F
	Communication/ Psychology (1)	Room B, 4F
	Management (2)	Room C, 4F
14:30-14:45	Tea Break & Networking	Foyer Area, 4F
14:45-16:45	Electrical and Electronic Engineering (2)	Room A, 4F
	Social Studies (1)	Room B, 4F
	Finance	Room C, 4F

Wednesday, March 27, 2019		
Poster Presentation		
Kyoto Research Park ,Building 1, 4F		
Time	Schedule	Venue
09:30-10:20	Poster Session (1) Fundamental and Applied Sciences/ Material Science and Engineering/ Life Science (1)	Room AV, 4F
13:00-13:50	Poster Session (2) Civil Engineering/ Computer and Information Sciences/ Electrical and Electronic Engineering/ Environmental Science/ Mechanical Engineering/ Biological Engineering (1)/ Life Science (2)	Room AV, 4F
14:00-14:50	Poster Session (3) Biological Engineering (2)/ Life Science (3)	Room AV, 4F
15:00-15:50	Poster Session (4) Communication/ Education/ Psychology/ Economics/ Management	Room AV, 4F
16:00-16:50	Poster Session (5) Material Science and Engineering/ Electrical and Electronic Engineering/ Life Science (4)	Room AV, 4F

Thursday, March 28, 2019

Oral Session

Kyoto Research Park ,Building 1, 4F

Time	Schedule	Venue
08:30-16:00	Registration	Foyer Area, 4F
08:45-10:15	Computer and Information Sciences (2)	Room A, 4F
	Education (2)	Room B, 4F
	Management (3)	Room C, 4F
10:15-10:30	Tea Break & Networking	Foyer Area, 4F
10:30-12:00	Computer and Information Sciences (3)	Room A, 4F
	Law/ Politics	Room B, 4F
	Management (4)	Room C, 4F
12:00-13:00	Lunch	Atrium, 1F
13:00-14:30	Civil Engineering/ Mechanical Engineering	Room A, 4F
	Fundamental and Applied Sciences (1)	Room B, 4F
	Management (5)/ Economics	Room C, 4F
14:30-14:45	Tea Break & Networking	Foyer Area, 4F
14:45-16:15	Environmental Science/ Chemical Engineering	Room A, 4F
	Fundamental and Applied Sciences(2)/ Material Science and Engineering	Room B, 4F
	Management (6)	Room C, 4F
16:15-16:30	Tea Break & Networking	Foyer Area, 4F
16:30-18:00	Life Science (2)	Room A, 4F
	Educaiton (3)/ Psychology (2)/Social Studies (2)	Room C, 4F

Natural Sciences Keynote Address

Room A, 4th floor

10:30–12:00, Wednesday, March 27, 2019

Topic:

Engineering Applications for the Inverse Design Problems

Dr. Cheng-Hung Huang

National Cheng Kung University (NCKU)



Abstract

The inverse design problems have been examined by a variety of numerical methods. Due to its inherent nature, it requires a complete regeneration of the mesh as the geometry evolves. Moreover, the continuous evolution of the geometry itself poses certain difficulties in arriving at analytical or numerical solutions. For this reason it is necessary to use an efficient technique to handle the problems with irregular surface geometry.

Two topics of inverse design problems will be delivered in this presentation, namely, (1) An Inverse Design Problem in Determining the Design Variables of the Fin Shape for Heat Sinks and (2) A Three-Dimensional inverse Design Problem to Determine the Filler Geometry for Maximum System Thermal Conductivity.

For the first problem, the numerical results show that the height of middle and center fins can be neglected to yield optimal cooling performance and besides it is easy to fabricate. The system thermal resistance of Design B* can be further reduced by 16.8 % and 11.0 % than initial design heat sink and Type 2 design heat sink of Jang et al. [1], respectively. Finally, three designs of radial heat sinks are fabricated and the experiments are performed using an infrared thermography system to measure the temperature distribution of the bottom surface of the heat sink. The numerical and experimental temperatures are then compared. The results show excellent agreement between the numerical and experimental temperatures and the maximum relative error is always less than 1.90% for the cases considered here. It justifies the validity of the present numerical model as well as the design algorithm for determining the optimal fin shapes of radial heat sink for LED lights.

For the second problem, according to the computed results the following conclusions can be drawn: (i) the optimal shape of filler is obtained as an “hourglass” shape with a smooth

nozzle-diffuser shape in the central parts of filler, (ii) the radiuses of the top and bottom surfaces of filler play the most significant role on the effective thermal conductivity, (iii) the volume of the central parts of filler has less significant on the effective thermal conductivity, (iv) the effective thermal conductivities can be increased from 15.3% to 57.5% depending on different volume of fillers and (v) the effective thermal conductivities can be increased from 5.5% to 57.4% depending on different filler conductivities.

Social Sciences Keynote Speech (1)

Room C, 4th floor

10:30–12:00, Wednesday, March 27, 2019

Topic:

Legal Systems as Platform-Managed Norm Networks

Dr. David C. Donald

The Chinese University of Hong Kong, Faculty of Law



Abstract

Bodies of law managed by single sovereigns have long been referred to as “legal systems”, as have coherent bodies of compatible law formed by diverse sovereigns (such as the “Common Law” or the “Civil Law”), but the character of such systems as networks has long been overlooked. Ignoring the network character of legal systems obscures the essential network effects that make legal systems internationally competitive and also neglects the manner in which legal systems assimilate generally accepted notions of right and wrong from the broader society through network platform management.

Networks order nodes through some organizing purpose, force or principle. All legal systems are clearly managed networks because they grant authority to legislative or judicial bodies to organize the information on justice in a society into a coherent system enforceable as law. Legal systems are also social networks because they package societal notions of justice into pointed concepts, and give them back as law to that same society. As in any network, not only the quality of its ordering principles, but its sheer size will determine its value, so that a new ordering principle that would form a new network will have great difficulty developing in the shadow of existing network effects.

This paper demonstrates that the character of legal systems as platform-managed norm networks explains many phenomena key to comparative law and development law studies. These include: How law systematically exists in coherent “families”. How such families compete and converge with other families and transform internally. And how the formal law of a legal system relates to the informal norms arising in the territorial jurisdiction of its application.

Social Sciences Keynote Speech (2)

Room C, 4th floor

10:30–12:00, Wednesday, March 27, 2019

Topic:

Gender Diversity Management in Japan: A Case Study to Promote Women's Empowerment in the Business Community



Prof. Tsuyako Nakamura

Doshisha University

Abstract

This study examines the present situation of women empowerment and the progress of gender diversity management in Japan. As global competition increases in the world, it is critical to secure a competent and diverse workforce. Women's empowerment has been addressed over the decades in Japan, and in 2013 the promotion of women's advancement in the mainstream of society was addressed as one of the urgent national policies by the Abe administration, with the aim of reviving Japan. However, since that time the empowerment of Japanese women has not progressed as expected and has in fact stagnated compared to the world level, as indicated in the gender gap index (GGI) of the World Economic Forum (WEF), in which Japan ranked 114th place out of 144 countries (as of 2017). The present research is based on a case study of a women's empowerment program (conducted in 2014-2018) in Japan, whose participants are middle-managers and leaders working for Japanese companies. They visited U.S. organizations by the International Visitor Leadership Program of the United States as part of this program, and the findings through the empowerment program indicate clear differences of gender diversity management in Japan and the United States. A questionnaire was administered to the delegates after the visit, results of which demonstrated improvements in terms of personal networking, self-motivation and understanding of diversity by the delegates as well as deeper understanding of women's empowerment in their workplace. Significant findings of their learning during the U.S. visit include the importance of diversity management to avoid "unconscious prejudice" and provide career support for women in the workplace. Participation in the program resulted in the delegates' acting as social "catalysts" and role models in the business community.

Computer and Information Sciences (1)/ Electrical and

Electronic Engineering (1)

Wednesday, March 27, 2019 08:45-10:15 Room A

Session Chair: *Prof. Sheng-Fuu Lin*

ACEAIT-0277

End-to-End Lane Detection Method Using Conditional Generative Adversarial Networks

Sheng-Fuu Lin | *National Chiao Tung University*

Yuan-Cheng Hsieh | *National Chiao Tung University*

ACEAIT-0299

A Smart Partitioning Scheme for Multicast Traffic Considering Latency in 3D Network-on-Chip

Hsiang-Hua Huang | *National Chung Hsing University*

Fang-Tzu Hsu | *National Chung Hsing University*

Hsueh-Wen Tseng | *National Chung Hsing University*

ACEAIT-0306

A Fair and Efficient LBT for LAA-LTE/Wi-Fi Coexistence Networks Using Q-Learning Scheme

Tzu-Teng Pan | *National Chung Hsing University*

Shang-Juh Kao | *National Chung Hsing University*

Fu-Min Chang | *Chaoyang University of Technology*

ACEAIT-0310

Routing Paths Determination by Considering QoS and Traffic Engineering in SDN networks using A*-algorithm

Ting-Yu Wang | *National Chung Hsing University*

Shang-Juh Kao | *National Chung Hsing University*

Ming-Chung Kao | *National Chung Hsing University*

ACEAIT-0300

Control Design for Two-Wheel Vehicle's Motion

Der-Cherng Liaw | *National Chiao Tung University*

Yi-Tien Hung | *National Chiao Tung University*

Chien-Chih Kuo | *National Chiao Tung University*

Yew-Wen Liang | *National Chiao Tung University*

ACEAIT-0301

Dynamical Analysis of Multi-Rotor UAV's Nonlinear Behavior

Der-Cherng Liaw | *National Chiao Tung University*

Li-Feng Tsai | *National Chiao Tung University*

Education (1)

Wednesday, March 27, 2019

08:45-10:15

Room B

Session Chair: *Prof. Massimo Riva*

ICBASS-0240

Digital Publishing for the Humanities: Experimenting with the Monographic Form

Massimo Riva | *Brown University*

ICBASS-0306

Developing a Theoretical Model for Comparing Effective Teaching Practices and Their Effects on Early Childhood Development

James Ko | *The Education University of Hong Kong*

Pamela Sammons | *The University of Oxford*

Jyrki Renamo | *The University of Helsinki*

ICBASS-0381

Integrated Success Factors into A ERP Curriculum

Yu-Ping Hsseh | *Chihlee University of Technology*

Ming-Hsiu Tsai | *National Taipei University of Technology*

ICBASS-0380

Action Research on a Project-Based Learning Approach to Ebook Design

Yih-Shyuan Chen | *St. John's University*

ICBASS-0260

Pagtahak sa Daang Hindi Pangarap: Lived Experiences of Students Pursuing Their Undesired Track

Noella Erika Paola Navarrete | *University of the East*

Lyndon Dale Chang | *University of the East*

Edward Joseph Gonzales | *University of the East*

John Mark Ico | *University of the East*

Sheryl Lynn Dimaayo | *Dominican School Manila*

Jamaica Marie M. Lagrio | *University of the East*

Greamaire Amata | *University of the East*

Crystal Jade P. Canoos | *University of the East*

Management (1)

Wednesday, March 27, 2019 08:45-10:15 Room C

Session Chair: *Prof. Tsuyako Nakamura*

ICBASS-0238

Linking Mobile Technologies to Hospitality Industry's Service Profit Chain

Yia Ling (Aileen) Yu | *School of Travel Industry Management, University of Hawaii at Manoa,
East West Center Student Affiliate*

ICBASS-0259

The Execution of Internal Instructor Program in Network Industry — A Case Study of A Company

Tsai En Ho | *National Changhua University of Education*
Chi Tung Tsai | *National Changhua University of Education*

ICBASS-0284

A Case Study of Digital-Technology Company to Discuss the Employment Policy of HR in the Introduction of New Corporate Culture

Cheng En Tsai | *National Changhua University of Education*
Chi Tai Shen | *National Changhua University of Education*

ICBASS-0286

Management by Objectives and Improvement of Performance Appraisal System- A Case Study of N Company.

Jhe Rou Huang | *National Changhua University of Education*
Chi Tung Tsai | *National Changhua University of Education*

ICBASS-0288

Content Design of Employee Training Program: Impacts and Results - A Case Study

Bo-Kai Wang | *National Changhua University of Education*
Chi-Tung Tsai | *National Changhua University of Education*

ICBASS-0374

Selection Hiring for Reserved Intermediate Supervisor : A Case Study

Yu Zhen Huang | *National Changhua University of Education*

Tun-Chun Huang | *National Changhua University of Education*

Biological Engineering/ Life Science (1)

Wednesday, March 27, 2019

13:00-14:30

Room A

Session Chair: *Dr. Sri Andayani*

APLSBE-0094

The Activity of Jellyfish (*Bougainvillia* Sp) Alkaloids as an Anti-Bacterial and Immunostimulant for the Cellular Response of Tiger Grouper (*Epinephelus fuscoguttatus*)

Sri Andayani | *University of Brawijaya*

M Fajar | *University of Brawijaya*

M F Rahman | *University of Brawijaya*

APLSBE-0098

Relation the Value of Primary Productivity with Growth of Fish Milkfish (*Chanos Chanos*) in Traditional Pond

Endang Yuli Herawati | *University of Brawijaya*

Anik Martinah H | *University of Brawijaya*

Qurrota A'yunin | *University of Brawijaya*

Rully Isfatul H | *University of Brawijaya*

APLSBE-0115

Chondrogenic Differentiation of Stem Cells from Human Exfoliated Deciduous Teeth

Nattapol Preesing | *King Mongkut's University of Technology Thonburi*

Pongstorn Putongkam | *Mahidol University*

Kwanchanok Pasuwat | *King Mongkut's University of Technology Thonburi*

ACEAIT-0255

Feasibility Study Application of Aerial Photographic Using Unmanned Aerial Vehicle for Weight Estimation in River-Based Hybrid Red Tilapia Cage Culture

Roongparit Jongjaraunsuk | *Kasetsart University*

Wara Taparhudee | *Kasetsart University*

Sukkrit Nimitkul | *Kasetsart University*

Communication/ Psychology (1)

Wednesday, March 27, 2019 13:00-14:30 Room B

Session Chair: *Prof. Gwowen Shieh*

ICBASS-0265

Equivalence Tests of Normal Percentiles

Gwowen Shieh | *National Chiao Tung University*

Show-Li Jan | *Chung Yuan Christian University*

ICBASS-0263

A Pragmatic Analysis of Positive Politeness Strategy Reflected in “12 Years a Slave” Movie

Eka Wahyu Oktavia | *State University of Malang*

ICBASS-0279

Are Two Heads Better than One? Systems Factorial Technology Provides New Insights on the Group Decision-Making Process

Cheng-Ta Yang | *National Cheng Kung University*

Cheng-Ju Hsieh | *National Cheng Kung University*

Mario Fific | *Grand Valley State University*

ICBASS-0333

The Influence of Online Health Information-Seeking Behavior: A Mediation Effect of Social Channels on Health Behavior Change

Ying-Ju Lai | *Fu Jen Catholic University*

Peter J. Schulz | *University of Lugano*

Management (2)

Wednesday, March 27, 2019 13:00-14:30 Room C

Session Chair: *Prof. David C. Donald*

ICBASS-0329

The Study of Strategy for the Development of Ying Charoen Market to Become Environment-Friendly Market

Narumol Tumwattana | *Phranakhon Rajabhat University*

Phanupong Samart | *Phranakhon Rajabhat University*

ICBASS-0330

Development Strategies for Participatory Development and Conservation of Rivers and Canals by the People of Nonthaburi

Rewat Jaresitthikunchai | *Phranakhon Rajabhat University*

Supoj Sang-Ngern | *Phranakhon Rajabhat University*

ICBASS-0331

Guideline for Strategy Development to Develop Competencies of Security Guards in Private Security Guard Companies in Bangkok

Chutikan Chalardsakul | *Phranakhon Rajabhat University*

Phanupong Samart | *Phranakhon Rajabhat University*

ICBASS-0358

Major Attributes and Key Success Factors for Medical Tourism

Niorn Srisomyong | *University of the Thai Chamber of Commerce*

Rojanasak Chomvilailuk | *University of the Thai Chamber of Commerce*

ICBASS-0367

Applying Fuzzy Modeling in System Dynamics for Simulation and Evaluation of Talent Retention Policy in Nursing Department

Chia-Lun Lo | *Fooyin University*

Hsiao-Ting Tseng | *Tatung University*

Electrical and Electronic Engineering (2)

Wednesday, March 27, 2019 14:45-16:45 Room A

Session Chair: *Prof. Yawgeng A. Chau*

ACEAIT-0294

Bluetooth-Based Smart Cushion for Monitoring the Lower-Limb Strength

Yawgeng A. Chau | *Yuan Ze University*

Pao-Yu Chen | *Yuan Ze University*

ACEAIT-0242

VLSI Low Cost Implementation of Independent Component Analysis (ICA) for Biomedical Signal Separation

Shung-Ping Wang | *Chang Gung University*

Yen Juan | *Chang Gung University*

Yuan-Ho Chen | *Chang Gung University*

ACEAIT-0258

VLSI Implementation of the Integral Pulse Frequency Modulation Model for Heart Rate Variability System

Yen Juan | *Chang Gung University*

Shung-Ping Wang | *Chang Gung University*

Yuan-Ho Chen | *Chang Gung University*

ACEAIT-0260

Electronically Tunable Allpass Filter Based Linear Voltage Controlled Quadrature Oscillator Using MMCC

R. Nandi | *Jadavpur University*

R. Datta | *Narula Inst. Technology*

P. Venkateswaran | *Jadavpur University*

S. Pattanayak | *Narula Inst. Technology*

ACEAIT-0323

Steady State on Online-Offline Integrated Learning Method of the Neural Network Control

Masakazu Morita | *Kogakuin University*

Qingjiu Huang | *Kogakuin University*

Minpei Morishita | *Kogakuin University*

ACEAIT-0221

Parameter Identification for State of Charge & Discharge Estimation of Li-ion Batteries

Suchart Punpaisarn | *Suranaree University of Technology*

Thanatchai Kulworawanichpong | *Suranaree University of Technology*

ACEAIT-0331

A Digital-to-Analog Converter for Display Driver Applications

Ping-Yeh Yin | *National Chip Implementation Center*

Chan LiangWu | *National Tsing Hua University*

Chih-Wen Lu | *National Tsing Hua University*

Poki Chen | *National Taiwan University of Science and Technology*

Social Studies (1)

Wednesday, March 27, 2019 14:45-16:45 Room B

Session Chair: *Prof. Pranee Liamputtong*

ICBASS-0208

What It Takes to be a Migrant Mother!: The Lived Experiences of Zimbabwean Migrant Women in Melbourne, Australia

Pranee Liamputtong | *Western Sydney University*

Sandra Banza | *La Trobe University*

ICBASS-0248

Multiple-Group Confirmatory Factor Analysis for Development of the Ayutthaya World Heritage Site, Thailand

Phathombut Keawsomnuk | *Phranakhon Si Ayutthaya Rajabhat University*

ICBASS-0257

I Want to Become *Mae* (a Mother) Despite My HIV Status: Narratives of Women Living with HIV in Southern Thailand

Dusanee Suwankhong | *Thaksin University*

Pranee Liamputtong | *Western Sydney University*

ICBASS-0299

The Study of Strategy Development for Designing the Installation of Solar Cells and Production of Electricity from Solar Cell PV Rooftop, Financial Feasibility, and EV Car Charger: A Case Study of Sena Park Grand Ramindhra Housing

Suriyawoot Kittiphuwadol | *Phranakhon Rajabhat University*

Phanupong Samart | *Phranakhon Rajabhat University*

ICBASS-0355

Leader-Member Exchange and Employee Creativity: A Meta-Analysis

Nut Tammawiteekun | *National Taiwan Normal University*

Chih-Chien Lai | *National Taiwan Normal University*

ICBASS-0371

**National Service Enlistment Propensity Trends among Emirati High School Youths:
Preliminary Findings**

Hwee Ling Lim | *Khalifa University*

Abdelaziz Khalid Almaeeni | *Khalifa University*

Ahmed Khalid Alzaabi | *Khalifa University*

Abdalla Khalid Almaeeni | *Khalifa University*

Finance

Wednesday, March 27, 2019 14:45-16:45 Room C

Session Chair: *Prof. Chih-Yen Lin*

ICBASS-0269

The Impact of Political Corruption Transfer on Acquisition Synergy

Chia-Wei Huang | *National Taiwan Normal University*

Chih-Yen Lin | *Fu Jen Catholic University*

ICBASS-0219

Credit Default Swaps and Analyst Optimism

Suresh Govindaraj | *Rutgers University*

Yubin Li | *Southwestern University of Finance and Economics*

Chen Zhao | *Southwestern University of Finance and Economics*

Zhaodong Zhong | *Rutgers University*

ICBASS-0325

The Effect of Fund Flows on ASIA Emerging Capital Markets under VAR Model

Aekkachai Nittayagastwat | *National Institute of Development Administration*

Jiroj Buranasiri | *Thammasat University*

ICBASS-0341

Corporate Tax Avoidance: Interest Alignment or Rent Extraction? Evidence from Creditor's Perspective

Chii-Shyan Kuo | *National Taiwan University of Science and Technology*

ICBASS-0347

Whale Watching on the Trading Floor: Unravelling Collusive Rogue Trading in Banks

Hagen Rafeld | *TU Dortmund University*

Sebastian Fritz-Morgenthal | *Bain*

Peter Posch | *TU Dortmund University*

ICBASS-0373

Does Financial Literacy Mitigate the Gender Difference in Investment Behavioral Bias?

Yuan-Lin Hsu | *Shih Hsin University*

Wan-Yu Lin | *Shih Hsin University*

Po-Kai Huang | *Shih Hsin University*

Hung-Lin Chen | *Shih Chien University*

ICBASS-0377

How Does Investment Behavioral Bias Vary with Financial Literacy and Financial Advice?

Yuan-Lin Hsu | *Shih Hsin University*

Yu-Chen Chung | *Shih Hsin University*

ICBASS-0283

Operational and Financial Hedging: Evidence from Thailand

Sunti Tirapat | *NIDA Business School of Management*

Computer and Information Sciences (2)

Thursday March 28, 2019

08:45-10:15 Room A

Session Chair: *Prof. Mhamed Itmi*

ACEAIT-0326

A Graph Approach for Systems of Systems Resilience

Mhamed Itmi | *LITIS, INSA*

Ilyas Ed-daoui | *ENSA Kenitra*

Abdelkhalak El Hami | *LMN, INSA*

ACEAIT-0256

Shape-Preserved Stereo-Matching by Content-Aware Adaption and Refinement

Din-Yuen Chan | *National Chiayi University*

Chun-Yu Chen | *National Chiayi University*

Yu-Ching Chen | *National Chiayi University*

Xi-Wen Wu | *National Chiayi University*

ACEAIT-0259

Vision-Based Vehicle Recognition Classification Using Convolutional Neural Network and Support Vector Machine

Lyu Dongyang | *Tokushima University*

Stephen Githinji Karungaru | *Tokushima University*

Kenji Terada | *Tokushima University*

ACEAIT-0305

LSTM-Based ACB Scheme for Massive M2M Communications in LTE-A Networks

Chu-Heng Lee | *National Chung Hsing University*

Shang-Juh Kao | *National Chung Hsing University*

Fu-Min Chang | *Chaoyang University of Technology*

ACEAIT-0319

Haze Removal Using Dark Channel Prior

Shi-Jinn Horng | *National Taiwan University of Science and Technology*

Ping-Juei Liu | *National Taiwan University of Science and Technology*

Chung-Hsien Kuo | *National Taiwan University of Science and Technology*

Shang-Chih Lin | *National Taiwan University of Science and Technology*

Wei-Chun Hsu | *National Taiwan University of Science and Technology*

Chi Kuang Feng | *National Taiwan University of Science and Technology*

ACEAIT-0324

Plant Layout Design of Cryogenic Pressure Vessel Manufacturing via Linear-QAP Optimization Model with the Consideration of Load-Flow and Distance

Wuttinan Nunkaew | *Thammasat University of Industrial Engineering*

Education (2)

Thursday March 28, 2019

08:45-10:15 Room B

Session Chair: *Dr. Juan J. Segovia*

ICBASS-0223

How to Develop the Cognitive Skills of the Manager of Tomorrow through the Case Method

Juan J. Segovia | *Concordia University*

ICBASS-0266

Teaching Aptitude among Teachers in the Secondary Schools of Upper Siang District, Arunachal Pradesh (India) in Relation to Some Variables

Geyin Boli | *Rajiv Gandhi University*

Boa Reena Tok | *Rajiv Gandhi University*

ICBASS-0270

Blended Learning in the Confucian Heritage Culture

Esther Y. M. Chan | *The Education University of Hong Kong*

ICBASS-0281

The Effectiveness of PBL in the Economics Classroom on the Development of Students' General Skills.

Shan-Ying Chu | *Chung Yuan Christian University*

Zi-Yan Gu | *Chung Yuan Christian University*

ICBASS-0302

Adult Learning in Time of Crisis: The Impact of Reflection on Adult Brain and Its Implication for Practice

Yoshie Nakamura | *George Washington University*

Rehan Reman | *Columbia University*

Hecheng Jin | *Columbia University*

ICBASS-0370

Blended Team-Based Learning as an Effective Model to Teach Parasitology to Medical Technologist Students

Chung-Chih Hung | *Taipei Hospital, Ministry of Health and Welfare*

Hsiao-Chen Ning | *Linkou Chang Gung Memorial Hospital*

Fang-Yu Hsu | *Alere Health Corp.*

Kuo-Chien Tsao | *Linkou Chang Gung Memorial Hospital*

Ming-Hsiu Tsai | *National Taipei University of Technology*

Management (3)

Thursday March 28, 2019

08:45-10:15 Room C

Session Chair: *Hsueh-Liang Fan*

ICBASS-0275

Curvilinear Relationship between Presenteeism and Innovative Behavior: Moderating Role of Supervisory Support

Hsueh-Liang Fan | *Soochow University*

ICBASS-0220

Evaluations of Brand Management Strategies

Tsuen-Ho Hsu | *National Kaohsiung University of Science and Technology*

Chun-Hsien Chen | *National Kaohsiung University of Science and Technology*

ICBASS-0345

Millennials' Intention to Stay and Word-of-Mouth Referrals

Decha Dechawatanapaisal | *Chulalongkorn University*

ICBASS-0379

Building Good Management Practices in Thailand Cooperative Sectors through Total Quality Management (TQM)

Supaporn Siriphueng | *Siam Technology College*

Prachak Promngam | *Siam Technology College*

ICBASS-0384

Small Business and Foreign Students

Katsuhiko Hirasawa | *Nihon University*

Yutaka Takakubo | *Nihon University*

Teruaki Nishikawa | *Shizuoka Junior College*

Computer and Information Sciences (3)

Thursday March 28, 2019

10:30-12:00 Room A

Session Chair: *Prof. Wen-Pinn Fang*

ACEAIT-0321

Chinese Font Design for Commercial Use by Mathematic Morphology

Wen-Pinn Fang | *YuanZe University*

Yumeng Cheng | *Quanzhou Normal University*

ACEAIT-0275

Human Behavior Identification Based on Depth Management and Fisher Criteria

Yunpeng Zhu | *Tokushima University*

Stephen Githinji Karungaru | *Tokushima University*

Terada Kenji | *Tokushima University*

ACEAIT-0295

Is Twitter Better than Traditional Polls for Decision Purposes? An Empirical Study Based on Sentiment Analysis and Network Distribution

Lucia Rivadeneira | *University of Manchester*

Jian-Bo Yang | *University of Manchester*

Manuel López-Ibañez | *University of Manchester*

ACEAIT-0223

Engineering Scheduling for Library Help Desk

Sophie X. Liu | *Oral Roberts Univesity*

Emmaus Lyons | *Oral Roberts Univesity*

Jabulani Ndhlovu | *Oral Roberts Univesity*

Ememubong Ekwer | *Oral Roberts Univesity*

ACEAIT-0336

Buckling Analysis of Bracing Members of a New Type of Integrated Ceiling Unit

Zhilun Lyu | *University of Hyogo*

Masakazu Sakaguchi | *Asahibuilt Industry co. ltd*

Yasuyuki Nagano | *University of Hyogo*

ACEAIT-0339

Rerouting Aggregated Elephant Flows and Using Group Table for Splitting Single Giant Flows to Solve the Congestion Problem in SDN Networks

Sung-Shi Tsai | *National Chung Hsing University*

Shang-Juh Kao | *National Chung Hsing University*

Ming-Chung Kao | *National Chung Hsing University*

Law/ Politics

Thursday March 28, 2019

10:30-12:00 Room B

Session Chair: *Thanachate Wisaijorn*

ICBASS-0297

Riverine Border Practices: People's Everyday Lives in the Thai-Lao Mekong Border

Thanachate Wisaijorn | *Ubon Ratchathani University*

ICBASS-0236

Media in Politics: An Analysis of the Media's Influence on Voters

Tira J. Murray | *North Carolina Agricultural and Technical State University*

ICBASS-0294

The Challenge of the Southern Common Market against the intention of the Oriental Republic of Uruguay to sign an FTA with the People's Republic of China

Silvia Karina Fiezzoni PhD | *Fundación Universidad Argentina de la Empresa, DEARH and INSOD, Argentina*

Eric Weng | *Fundacion Universidad Argentina de la Empresa*

ICBASS-0378

Constructing and Performing Narratives: How the Thai Military Justifies Its Political Interventions

Bavo Stevens | *Ubon Ratchathani University*

ICBASS-0216

Effectiveness of Fines as Sanction

Guiller Pendon | *West Visayas State University*

Management (4)

Thursday March 28, 2019

10:30-12:00 Room C

Session Chair: *Prof. Chin-Chih Chang*

ICBASS-0273

Determining Optimal Preventive Replacement Age for Operating Products with Renewing Free-Replacement Warranty Policy

Chin-Chih Chang | *Takming University of Science and Technology*

Yen-Luan Chen | *Takming University of Science and Technology*

ICBASS-0274

Scheduling Replacement and Tandem Works Models for a System Subject to Shocks

Yen-Luan Chen | *Takming University of Science and Technology*

Chin-Chih Chang | *Takming University of Science and Technology*

ICBASS-0282

The Impact of Value Chain Characteristics on the Dynamic Organizational Capabilities: The Moderating Effects of the Prospect to Destructive Innovation

Chen-Nan Zhu | *Fu Jen Catholic University*

Chin-Lun Tsai | *Fu Jen Catholic University*

Hsin-Peng Shiahhou | *Fu Jen Catholic University*

ICBASS-0323

Cognitive Bias of R&D Engineers and Its Impact on Firm's Decision

Yoshihiro Mori | *Horiba Advanced Techno, Co., Ltd.*

Toshiro Kita | *Doshisha University*

ICBASS-0340

Innovation in China - A Silicon Valley Venture Capital Perspective

Iris Quan | *San José State University (SJSU)*

Civil Engineering/ Mechanical Engineering

Thursday March 28, 2019

13:00-14:30 Room A

Session Chair: *Lei Xu*

ACEAIT-0210

Why a Droplet Can Contact Smooth Surface So Rapidly?

Lei Xu | *The Chinese University of Hong Kong*

ACEAIT-0215

Learning Effectiveness of Educational Game for Construction Hazard Identification

Ren Jye Dzung | *National Chiao-Tung University*

Keisuke Watanabe | *Tokai University*

Hsien Hui Hseuh | *National Chiao-Tung University*

ACEAIT-0230

The Effects of Concentrations of Working Fluid Mixture on the Performance of an ORC System

Rong-Hua Yeh | *National Kaohsiung University of Science and Technology*

Min-Hsiung Yang | *National Kaohsiung University of Science and Technology*

ACEAIT-0244

Automatic Monitoring of Unsecured Protection Devices

I-Tung Yang | *National Taiwan University of Science and Technology*

Jung Liang | *National Taiwan University of Science and Technology*

ACEAIT-0246

Experimental Study on Judges of Damage Level for Corrosion of Steel Bridges by Deep Learning

Atsushi Machiguchi | *Kanazawa University*

Norio Tada | *Nihonkai Consultant Co., Ltd.*

Hiromasa Takei | *Nihon Unisys, Ltd.*

Yasuo Chikata | *Kanazawa University*

ACEAIT-0248

The Effect of Mixture Concentration on the Performance of an ORC

Min-Hsiung Yang | *National Kaohsiung University of Science and Technology*

Fundamental and Applied Sciences (1)

Thursday March 28, 2019

13:00-14:30 Room B

Session Chair: *Prof. Jaw-Fang Lee*

ACEAIT-0240

Evolution of Surface Waves Caused by Sea Bottom Variations

Cheng-Chi Liu | *National Cheng Kung University*

Jaw-Fang Lee | *National Cheng Kung University*

Pi-Sheng Hu | *National Cheng Kung University*

ACEAIT-0262

Comparison of Frequentist and Bayesian Inference for Interval Estimation on the Process Loss Index with Asymmetric Tolerances

Chao-Zhen Liu | *National Tsing Hua University*

Chien-Wei Wu | *National Tsing Hua University*

ACEAIT-0263

Smartphone for Portable Spectrometer on Point-of-Care Testing

Yi-Cheng Hsu | *National Pingtung University of Science and Technology*

YanXian Li | *National Pingtung University of Science and Technology*

Jyun-Hao Chiu | *National Pingtung University of Science and Technology*

ACEAIT-0264

Developing a Rectifying Inspection Plan with Repetitive Group Sampling Based on the Process Capability Index

Shun-Chun Hu | *National Tsing Hua University*

Chien-Wei Wu | *National Tsing Hua University*

ACEAIT-0273

Developing a Variables Multiple Stage Sampling Plan with Taguchi Capability Index

Zih-Huei Wang | *Feng Chia University*

Chien-Wei Wu | *National Tsing Hua University*

Management (5)/ Economics

Thursday March 28, 2019

13:00-14:30 Room C

Session Chair: *Prof. Jen-Wei Cheng*

ICBASS-0225

Identify the Factors Affecting the Use and Acceptance of Smart Home Products by Elderly Taiwanese Users

Shih-Hao Lu | *National Taiwan University of Science and Technology*

Fan-Ting Lu | *National Taiwan University of Science and Technology*

Kang-Min Chien | *Sunnic Technology & Merchandise Inc.*

Yie-Ching Lee | *National Taiwan University of Science and Technology*

Jen-Wei Cheng | *National Taiwan University of Science and Technology*

ICBASS-0224

The Reinforcement of Service Innovation and Interaction Quality in Relationship Marketing

Hsiaoping Yeh | *National Kaohsiung University of Science and Technology*

Fenghung Kuo | *National Kaohsiung University of Science and Technology*

ICBASS-0255

Export Growth and Instability in Processed Food in India

S. K. Goyal | *CCS HAU Hisar*

ICBASS-0278

The Impact of Culture on Economic Development in Emerging Economies of South Korea and Turkey

Abrar Zidan | *German University in Cairo*

ICBASS-0365

Household Drought Coping, Food Insecurity and Gender Relations in Two Villages in India

Basanta K. Sahu | *Indian Institute of Foreign Trade (Deemed university under M/o Commerce & Industry, Govt. of India)*

ICBASS-0268

The Effect of Environmental Regulation on Employment: The Heterogeneity of Regulatory Tools and Regional Investigation

Wenyuan Sun | *Nanjing Audit University*

Environmental Science/ Chemical Engineering

Thursday March 28, 2019

14:45-16:15 Room A

Session Chair: *Prof. Masafumi Tateda*

ACEAIT-0222

Rice Husks as a Resource of Silica - Finding a Relationship between Solubility and Crystallinity -

Ryoko Sekifuji | *Toyama Prefectural University*

Masafumi Tateda | *Toyama Prefectural University*

ACEAIT-0229

Effect of Sapphire Substrate Silicon Carbide Sludge on Metakaolin-Based Geopolymer at Various Solid/Liquid (S/L) Ratios

Kang-Wei Lo | *National Taipei University of Technology*

Kae-Long Lin | *National Ilan University*

Ta-Wui Cheng | *National Taipei University of Technology*

Bo-Xuan Zhang | *National Ilan University*

ACEAIT-0254

Reagent Combinations in Sodium Feldspar Flotation

Chairoj Rattanakawin | *Chiang Mai University*

Apisit Numprasanthai | *Chulalongkorn University*

ACEAIT-0283

Anaerobic Co-Digestion of Swine Manure and Vegetable Wastes under Both Mesophilic and Thermophilic Conditions

An-Chi Liu | *National Taiwan University*

Yu-Shan Lin | *National Taiwan University*

Fu-Yan Hsu | *National Taiwan University*

Chu-Yang Chou | *National Taiwan University*

ACEAIT-0316

Fighting Fusarium Wilt of Banana with Frugal Technology: Soil Health Indicators for Future of Integrative Management

Alexxandra Jane F. Ty | *Ateneo de Manila University*

Ian A. Navarrete | *Ateneo de Manila University*

**Fundamental and Applied Sciences (2)/ Material Science and
Engineering/Electrical and Electronic Engineering**

Thursday March 28, 2019

14:45-16:15 Room B

Session Chair: *Prof. Chien-Wei Wu*

ACEAIT-0268

A Generalized Quick Switching Sampling System Based on the Process Capability Index

Yen-Lun Chen | *National Tsing Hua University*

Chien-Wei Wu | *National Tsing Hua University*

ACEAIT-0261

**An Investigation on Interval Estimation of the Lifetime Performance Index under Gamma
Distribution**

Tun-Yun Cheng | *National Tsing Hua University*

Chien-Wei Wu | *National Tsing Hua University*

ACEAIT-0269

**Developing a Variable-Type Skip-Lot Sampling Plan for Products with Unilateral
Specification Limit**

Yi-San Huang | *National Tsing Hua University*

Chien-Wei Wu | *National Tsing Hua University*

Management (6)

Thursday March 28, 2019

14:45-16:15 Room C

Session Chair: *Prof. Peng-Yeng Yin*

ICBASS-0272

Multi-Criteria Analysis of Portfolio Optimization with Simulated Scenarios

Peng-Yeng Yin | *National Chi Nan University*

Han-Lin Shih | *National Chi Nan University*

ICBASS-0239

Strategical Allocation for Firm's Resources and Capabilities

Chinho Lin | *National Cheng Kung University*

Shu-Fang Ting | *National Cheng Kung University*

Chi Hui Chiang | *National Cheng Kung University*

ICBASS-0293

A Study on Intention to Leave Restaurant Reviews

Yu-Ching Lee | *National Kaohsiung University of Science and Technology*

Tsuen-Ho Hsu | *National Kaohsiung University of Science and Technology*

ICBASS-0322

ICT Medical Innovation Using Big Data for Medical Accidents Preventability

Ryosuke Fujimoto | *Kyoto Kacho University*

Peiran Su | *Oxford Brookes University*

Shigeo Atsuji | *Kansai University*

ICBASS-0363

The Effects of Celebrity Worship and the Internet Celebrity Worship on Adolescents' Social Commerce Compulsive Buying

Pei-Hung Ju | *National Kaohsiung University of Science and Technology*

Life Science (2)

Thursday March 28, 2019

16:30-18:00 Room A

Session Chair: *Prof. Chee Kong Yap*

APLSBE-0084

Sediment Watch for Biological Coastal Management

Chee Kong Yap | *Universiti Putra Malaysia*

Shih Hao Tony Peng | *Universiti Putra Malaysia*

APLSBE-0121

Population analysis of *Epipactis flava* Seidenf. in Thailand using SRAP markers

Waroon Suwankitti | *Naresuan University*

Sirinat Wankaew | *Naresuan University*

Boonsita La-ongdet | *Naresuan University*

Surin Peyachoknagul | *Naresuan University*

Maliwan Nakkuntod | *Naresuan University*

APLSBE-0123

Physiological Cost of Male Agricultural Workers of North East India in Rice Cultivation

Krishna Dewangan | *North Eastern Regional Institute of Science and Technology, Nirjuli*

APLSBE-0131

Effect of nutrient solution electrical conductivity on growth and bacoside A accumulation of Brahmi (*Bacopa monnieri* (L.) Wettst.) cultivated in a hydroponic system

Chutiporn Maneeply | *Naresuan University*

APLSBE-0133

The Effects of Squid (*Loligo* sp.) Ink Powder On Survival Rate, Hematological Description, and Bacterial Density of *Tilapia* (*Oreochromis niloticus*) Infected by *Aeromonas hydrophila*

Mohamad Fadjar | *University of Brawijaya*

Sri Andayani | *University of Brawijaya*

Jefri Anjaini | *University of Brawijaya*

Laksono Radityo Suwandi | *University of Brawijaya*

APLSBE-0137

Applied microbiology for sustainable agriculture and environment

Ze-Chun Yuan | *University of Western Ontario*

Educaiton (3)/ Psychology (2)/Social Studies (2)

Thursday March 28, 2019

16:30-18:00 Room C

Session Chair: *Prof. Lyndon Dale Chang*

ICBASS-0389

Predictors for Academic Survival of Working Scholars in University of the East – Manila

Lyndon Dale Chang | *University of the East – Manila*

Niel Mig Gamana | *University of the East – Manila*

Ariane May Geñorga | *University of the East – Manila*

Sharina Aya Gorospe | *University of the East – Manila*

Eunice Anne Parra | *University of the East – Manila*

Me Rey Gold Pelayo | *University of the East – Manila*

Ronald Rañeses | *University of the East – Manila*

Mary Jane Rose San Pedro | *University of the East – Manila*

Aleezah Romyne Villanueva | *University of the East – Manila*

ICBASS-0326

Designing and Implementing an English Training Course for Local Wisdom Inheritance of One Tambon (Village) One Product (OTOP) in Amphawa District, Samut Songkhram Province

Kannaphat Nithitwaraphakun | *Phranakhon Rajabhat University*

ICBASS-0390

Opéra de Paris and its Abonnés:

The Transition of Privileged Theater-Goers and "their" ballerinas

Shizuka Yasuda | *Nihon University*

Yuki Moriwaki | *University of Tokyo*

ICBASS-0391

Learning Effect of Group Discussion Work: The Case of Business Game Classes

Kayo Iizuka | *Senshu University*

Hiroki Sugitani | *Senshu University*

ICBASS-0393

Effect of Psychological Contract in Business Process Transformation

Kayo Iizuka | *Senshu University*

Chihiro Suematsu | *Kyoto University*

Poster Sessions (1)

Fundamental and Applied Sciences/ Material Science and Engineering/ Life Science (1)

Wednesday, March 27, 2019 09:30-:10:20 Room AV

ACEAIT-0211

Incorporation of Expert Knowledge in the Prediction of Incorrect DRG Assignment

Mani Suleiman | *RMIT University*

Haydar Demirhan | *RMIT University*

Leanne Boyd | *Cabrini Institute*

Federico Giroso | *Capital Markets CRC Limited*

Vural Aksakalli | *RMIT University*

ACEAIT-0243

Effects of Annealing Temperature on Properties of Tin-Doped ZnO Films as Electron Transporting Layers in Perovskite Solar Cells

Pakawat Malison | *Chiang Mai University*

Chawalit Bhoomanee | *Chiang Mai University*

Duangmanee Wongratanaphisan | *Chiang Mai University*

Supab Choopun | *Chiang Mai University*

Takashi Sagawa | *Kyoto University*

Pipat Ruankham | *Chiang Mai University*

ACEAIT-0253

Synthesis and Characterizations of TiO₂ Particles via Sol-Gel Method with Different Polymeric Precursors

Orawan Wiranwetchayan | *Chaing Mai University*

Surin Promnopat | *Chaing Mai University*

Titipun Thongtem | *Chaing Mai University*

Arnon Chaipanich | *Chaing Mai University*

Somchai Thongtem | *Chaing Mai University*

ACEAIT-0280

An Extension of Multivariate New Better than Used Distribution

Wen-Lin Chiou | *Fu-Jen University*

Chih-Ru Hsiao | *Soochow University*

ACEAIT-0289

The Adiabatic State of a Low-Loss and Maximum Divergence Angle Linear Tapered Waveguide Based on a SOI Chip

Chien Liang Chiu | *National Kaohsiung University of Science and Technology*

Shao-I Chu | *National Kaohsiung University of Science and Technology*

Yen-Hsun Liao | *National Kaohsiung University of Science and Technology*

Tsong-Yi Chen | *National Kaohsiung University of Science and Technology*

ACEAIT-0290

A New Recurrence Computing Generalized Zernike Moments

An-Wen Deng | *Chien Hsin University of Science and Technology*

Chih-Ying Gwo | *Chien Hsin University of Science and Technology*

ACEAIT-0249

Luminescence Investigation of Manganese-Doped Magnesium Stannate Powder Phosphors

Mu-Tsun Tsai | *National Formosa University*

Bo-Wen Yen | *National Formosa University*

Yu-Chia Hsu | *National Formosa University*

ACEAIT-0296

Study of Antibacterial Activity and Weatherability of TiAgN/TiCuN Arc-Coatings on 304 Stainless Steel

Cheng-Hsun Hsu | *Tatung University*

Chung-Kwei Lin | *Taipei Medical University*

Yu-Chih Lin | *Tatung University*

ACEAIT-0298

Preparation and Characterization of Bismuth/Zirconium Oxide Composite Powder by a One-Pot Spray Pyrolysis Process

May-Show Chen | *Taipei Medical University Hospital*

Hsiu-Na Lin | *Chang Gung Memorial Hospital*

Ming-Liang Yen | *Taipei Medical University Hospital*

Bo-Jiun Shao | *Feng Chia University*

Chin-Yi Chen | *Feng Chia University*

Liang-Hsien Chen | *Taipei Medical University*

Pei-Jung Chang | *Taipei Medical University*

Chung-Kwei Lin | *Taipei Medical University*

ACEAIT-0303

NO₂ Gas Sensor Based on Multi-Walled Carbon Nanotubes/Tungsten Oxide Nanocomposite Enhanced Sensing by UV-LED

Pi-Guey Su | *Chinese Culture University*

Jia-Hao Yu | *Chinese Culture University*

ACEAIT-0315

Preparation of Carbon Quantum Dots by Hydrothermal Method for Supercapacitor

Si-Ying Li | *Tatung University*

Yi Hu | *Tatung University*

M.-P. Marta | *Warsaw University of Technology*

M. Artur | *Warsaw University of Technology*

ACEAIT-0318

Synthesis of Mesoporous Carbon by Sol-Gel Template Process for the Electrochemical Double-Layer Capacitor

Ya-Te Kuo | *Tatung University*

Pei Yu Wang | *Tatung University*

Pin-Syuan Chen | *Tatung University*

Si-Ying Li | *Tatung University*

Yi Hu | *Tatung University*

ACEAIT-0325

Preparation of Nanocomposite ($\text{Al}_2\text{O}_3\text{-SiO}_2$ /Photosensitive Resins) for Dielectric Applications by Stereolithography (SLA)

Pin Syuan Chen | *Tatung University*

Pei Yu Wang | *Tatung University*

Yi Hu | *Tatung University*

Si-Ying Li | *Tatung University*

Ya-Te Guo | *Tatung University*

ACEAIT-0332

Electrochromism Behavior of $\text{MnO}_2/\text{Ag}_2\text{O}$ Nanocomposite Thin films

Yi Hu | *Tatung University*

Jiun-Shinh Liu | *Tatung University*

ACEAIT-0333

Effects of Different Vibration Stress Relief Process on Cast Iron

C. M. Lin | *Tung's Taichung MetroHarbor Hospital*

H. F. Yang | *Tung's Taichung MetroHarbor Hospital*

S. W. Lou | *Chang Gung Memorial Hospital*

Weite Wu | *National Chung Hsing University*

ACEAIT-0334

Phase Transformation and Characterization of Bismuth/Tantalum Oxide Composite Powder by High Energy Ball Milling

Yao-Jui Chen | *Tung's Taichung MetroHarbor Hospital*

Ya-Yi Chen | *Tung's Taichung MetroHarbor Hospital*

Hsiu-Na Lin | *Chang Gung Memorial Hospital*

Wen-Chieh Yeh | *National Taiwan Ocean University*

Pee-Yew Lee | *National Taiwan Ocean University*

Chung-Kwei Lin | *Research Center of Digital Oral Science and Technology*

APLSBE-0083

Impact of Feeding Omega-3 Fatty Acids on the Fertility of Female Albino Rats Treated with Chemoterapy Drug

Emmanuel Ikechukwu Nnamonu | *Federal College of Education, Eha-Amufu, Enugu State, Nigeria*

APLSBE-0093

Potential Effects of Drawing and Coloring Art Activities on Reducing Anxiety and Changing Physiological Responses in Female Breast Cancer Patients

Lin-Hui Lin | *Tainan Municipal Hospital*

Yueh-Chiao Yeh | *Nanhua University*

APLSBE-0110

Targeting Tumor Microenvironment by Bioreduction-Activated Nanoparticles

Shuenn-Chen Yang | *Academia Sinica*

Pan-Chyr Yang | *National Taiwan University College of Medicine*

APLSBE-0119

Carriage of Helicobacter Pylori in Asymptomatic Children and Their Mothers

Amira Amine | *High Institute of Public Health, Alexandria University*

Maysoon Elsayed | *High Institute of Public Health, Alexandria University*

Laila El Attar | *High Institute of Public Health, Alexandria University*

APLSBE-0136

Induction and Transplantation of Specific Neuronal Phenotype Differentiation of Neural Stem Cells in Parkinson's Disease Treatment

Kaili Lin | *Hong Kong Baptist University*

Shiqing Zhang | *Hong Kong Baptist University*

Yung Ken Kin Lam | *Hong Kong Baptist University*

Poster Sessions (2)

Civil Engineering/ Computer and Information Sciences/

Electrical and Electronic Engineering/ Environmental Science/

Mechanical Engineering/ Biological Engineering (1)/ Life

Science (2)

Wednesday, March 27, 2019

13:00-13:50

Room AV

ACEAIT-0308

Installation of LNG Unloading Arms on an Offshore Platform

F. C. Chen | *CTCI REI*

Jing-Wen Chen | *National Cheng Kung University*

ACEAIT-0216

Artistic Styles of Images Based on Peano Curves

Ya-Ying Liao | *National Chiao Tung University*

Chin-Chen Chang | *National United University*

Der-Lor Way | *Taipei National University of Arts*

Zen-Chung Shih | *National Chiao Tung University*

ACEAIT-0284

A Study on the Optimal Period of a Five Line Stave Decision Support Model for ETF Investment

Weissor Shiue | *National Kaohsiung University of Science and Technology*

Chao-Lun Chen | *National Kaohsiung University of Science and Technology*

Annie Y. H. Chou | *ROC Military Academy*

Frank S. C. Tseng | *National Kaohsiung University of Science and Technology*

ACEAIT-0286

Learning Effectiveness Analysis of the Situation-Based Information English Vocabulary Learning System

I-Hui Li | *Ling Tung University*

Ming-Wei Lin | *Ling Tung University*

Hong-Lin Ma | *Ling Tung University*

Shi-Ting Sun | *Ling Tung University*

Jun-Yi Chen | *Ling Tung University*

ACEAIT-0291

Close Forms for Power Spectral Density of Orthogonally Multiplexed Modulation

Wei-Lun Lin | *Feng Chia University*

ACEAIT-0220

Design of a Low-Power and Compact 6-Bit 1GS/s A/D D/A Converter Pair

Chia-Hsin Lee | *National Chiao Tung University*

Hao-Chiao Hong | *National Chiao Tung University*

Chien-Nan Kuo | *National Chiao Tung University*

ACEAIT-0224

Intelligent Controlled SAPF for Improving Power Quality and DC Bus Voltage Control

Kuang-Hsiung Tan | *Chung Cheng Institute of Technology, National Defense University*

Chien-Wu Lan | *Chung Cheng Institute of Technology, National Defense University*

Shih-Sung Lin | *Chung Cheng Institute of Technology, National Defense University*

ACEAIT-0231

The Electrical Properties of Metal/LaGdO₃/Si Capacitor

Tzu-Yu Huang | *National Cheng Kung University*

Cheng-Liang Huang | *National Cheng Kung University*

ACEAIT-0250

Design of High-Power Laser Switching Power Supply

Cheng-I Chen | *National Central University*

Zih-Wei Huang | *National Central University*

Yeong-Chin Chen | *Asia University*

Chung-Hsien Chen | *Metal Industries Research and Development Centre*

ACEAIT-0288

Design of Commercially-Ready Microwave Diplexers Based On Modified Elliptic Topology

Tiku Yu | *National Taipei University*

Poshiang Tseng | *National Taipei University*

ACEAIT-0293

Application of Novel Same-Phase Power Supply Scheme on the Electrical Wiring System of a Smart Building

Yu-Wen Huang | *National Taiwan University of Science and Technology*

Tsai-Hsiang Chen | *National Taiwan University of Science and Technology*

ACEAIT-0297

Activity Evaluation Technique of Human Body Motion Such as Walking Motion Based on Ultra High-Sensitive Electrostatic Induction

Koichi Kurita | *Kindai University*

ACEAIT-0227

Reuse of Partial Shell-Core Ag/P3HT@TiO₂ Nanocatalysts for Solar Photocatalysis of Refractory Organic Wastewater

Wen-Shiuh Kuo | *National United University*

An-Chi Chen | *National United University*

Jing-Wen Liang | *National United University*

ACEAIT-0228

Light Emitting Diode (LED) Waste Quartz Sand and Waste Catalyst to Produce Humidity Control Porous Ceramics by Co-Sintered Process

Kae-Long Lin | *National Ilan University*

Bo-Xuan Zhang | *National Ilan University*

Kang-Wei Lo | *National Taipei University of Technology*

Ta-Wui Cheng | *National Taipei University of Technology*

ACEAIT-0237

Dechlorination of Organic Chloride in Aqueous Phase

Zih-Yao Shen | *National Chiayi University*

Zi-Hong Gao | *National Chiayi University*

Maw-Tien Lee | *National Chiayi University*

ACEAIT-0317

Microbial Composition Does Not Differ between Rhizosphere and Non-Rhizosphere Soils of Banana Infected with Fusarium Wilt

Mariela T. Alcaparas | *Ateneo de Manila University*

Ian A. Navarrete | *Ateneo de Manila University*

Neil H. Tan Gana | *Ateneo de Manila University*

ACEAIT-0238

Application of CFD to the Design of Hydraulic Proportional Damper

Jyh-Chyang Renn | *National Yunlin University of Science and Technology*

Yi-Zhe Xie | *National Yunlin University of Science and Technology*

Chin-Yi Cheng | *National Yunlin University of Science and Technology*

Chun-Bin Yang | *Metal Industries Research & Development Centre*

ACEAIT-0267

Evaluating Operational and Environmental Efficiency of Thai Airlines: An application of SBM-DEA

Wongkot Wongsapai | *Chiang Mai University*

APLSBE-0103

Influence of anticancer drug on the Differential expression of proteins in Hepatoma

Rajeswari Raja Moganty | *All India Institute of Medical Sciences*

APLSBE-0106

Identification, Classification, and Expression Analysis of GRAS Gene Family in *Juglans regia* L

Jianxin Niu | *Shihezi University*

Shaowen Quan | *Shihezi University*

Li Zhou | *Shihezi University*

APLSBE-0116

Cloning and Sequence Analysis of the SFBB- γ Gene in Korla Pear

Jianrong Feng | *Shihezi University*

Wenjuan Lv | *Shihezi University*

Wenhui Li | *Shihezi University*

Poster Sessions (3)

Biological Engineering (2)/ Life Science (3)

Wednesday, March 27, 2019 14:00-14:50 Room AV

APLSBE-0079

Effect of Heat-Moisture Treatments on the Digestibility and Physicochemical Properties of Sweet Potato Starches

Lih-Shiuh Lai | *National Chung Hsing University*

Hsin-Yi Chi | *National Chung Hsing University*

APLSBE-0088

Targeting Human Brain Cancer Stem Cells by Curcumin-Loaded Nanoparticles Grafted with Anti-Aldehyde Dehydrogenase and Sialic Acid: Colocalization of ALDH and CD44

Yung-Chih Kuo | *National Chung Cheng University*

Li-Jung Wang | *National Chung Cheng University*

Rajendiran Rajesh | *National Chung Cheng University*

APLSBE-0096

Quality and Release Properties of Solid Self-Emulsifying Curcumin Delivery System Prepared by Top-Spray Fluidized Bed

Ding-Ya Wu | *National Chung Hsing University*

Po-Yuan Chiang | *National Chung Hsing University*

APLSBE-0097

Extraction of Anthocyanin from Purple Sweet Potato and the Evaluation of Its Quality Stability

Chin-Chia Chen | *National Chung Hsing University*

Po-Yuan Chiang | *National Chung Hsing University*

ACEAIT-0302

Biological Reclaiming Process for Semi-Efficient Vulcanized Natural Rubber

Benja Kaewpetch | *Chulalongkorn University*

Sehanat Prasongsuk | *Chulalongkorn University*

Sirilux Poompradub | *Chulalongkorn University*

ACEAIT-0314

A Methodology Development for Biofilm Removing Efficacy

Jack Hsiao | *Hsiao Chung-Cheng Healthcare Group*

Shih-Chi Chan | *Hsiao Chung-Cheng Healthcare Group*

APLSBE-0077

Phloretin Reverses Epithelial-to-Mesenchymal Transition and Inhibits Invasion in Human Cervical Cancer Cells

Pei-Ni Chen | *Chung Shang Medical University*

APLSBE-0085

Synergistic Effects of Shikonin and Doxorubicin on Fine Particulate Matter (PM_{2.5})-Regulated Cell Proliferation, Apoptosis and Cell Cycle Progression in A549 and PC-9 Lung Cancer Cells

Yi-Ting Lin | *Nanhua University*

Pao-Yu Yang | *Nanhua University*

Chien-Ting Huang | *Nanhua University*

Yueh-Chiao Yeh | *Nanhua University*

APLSBE-0086

The Microalga *Chlorella* Biomass Produced by an Outdoor 20-Ton Wastewater & Carbon Capture and Utilization (WCCU) System and Used as Feed Additive for Egg-Laying Hens

Wen-Xin Zhang | *National Chiao Tung University*

Yi-Chun Yang | *National Chiao Tung University*

Kuan-Chao Huang | *National Chiao Tung University*

Chiu-Mei Kuo | *National Chiao Tung University*

Chih-Sheng Lin | *National Chiao Tung University*

APLSBE-0087

Economic Production and Biofunctional Verification of the Lutein from a Microalga Mutant Strain, *Chlorella* sp. CN6

Wen-Xin Zhang | *National Chiao Tung University*

Yi-Chun Yang | *National Chiao Tung University*

Chiu-Mei Kuo | *National Chiao Tung University*

Chih-Sheng Lin | *National Chiao Tung University*

APLSBE-0089

Comparing the Effects of Foot Baths with Vibration or Lavender Oil on Anxiety and Physiological Parameters in Female College Students

Yueh-Chiao Yeh | *Nanhua University*

Po-Chian Tan | *Nanhua University*

APLSBE-0099

The Benefit of Ethanolic Extract *Plectranthus Amboinicus* Lour Spreng as Preventive and Curative on Immune System and Biochemistry Profile Rat Exposed to Rhodamine B

Melva Silitonga | *Universitas negeri Medan*

Pasar Maulim Silitonga | *Universitas negeri Medan*

Martina Restuati | *Universitas negeri Medan*

APLSBE-0100

Heterocyclic Organobismuth(III) Compound Activates Nuclear Factor (Erythroid-Derived 2)-Like 2 in Human Cancer Cell Lines.

Katsuya Iuchi | *Seikei University*

Yuji Tasaki | *Seikei University*

Sayo Shirai | *Seikei University*

Hisashi Hisatomi | *Seikei University*

APLSBE-0104

Expression Profile of Circulatory Adiponectin and Plasma Variables in Broilers

Ting-Chen Huang | *Tunghai University*

Yuan-Yu Lin | *Tunghai University*

APLSBE-0108

Effect of DNMT3L Express on Spermatogenesis in Azoospermia Patients

Chung Hao Lu | *Mackay Memorial Hospital*

APLSBE-0111

Comparison of the Toxicity Effects of Buas-Buas (*Premna pubescens* Blume) Leaves and Fruits against *Artemia salina* Leach

Martina Restuati | *Universitas Negeri Medan*

Agustia Ningsih | *Universitas Negeri Medan*

APLSBE-0126

The Study of the Bovine Ephemeral Fever Virus G and N Protein as the Detection Target for the Rapid BEFV Quantitative Analysis

Yu Jing Zeng | *National Pingtung University of Science & Technology*

Hsian Yu Wang | *National Pingtung University of Science & Technology*

APLSBE-0132

Ultrasound-Assisted Extraction and Biotransformation of Bioactive Compounds from Ceylon Olive Leaves

Ying-Hsuan Chen | *Fu Jen Catholic University*

Chun-Yao Yang | *Fu Jen Catholic University*

APLSBE-0114

Antibacterial Activities of Ethanol Extracts Symbion Spons Bacteria against Pathogenic Bacteria

Endang Sulistyarini Gultom | *Universitas Negeri Medan*

Mariaty Sipayung | *Universitas Negeri Medan*

APLSBE-0120

Study on the Correlation between the Developmental Stage of Microspores and Shape of Flower Organs in Processing Tomato

Shengqun Pang | *Shihezi University*

Shuling Shan | *Shihezi University*

Xiaoshan Guo | *Shihezi University*

Guoru Zhang | *Shihezi University*

Poster Sessions (4)

Communication/ Education/ Psychology/ Economics/

Management

Wednesday, March 27, 2019

15:00-15:50

Room AV

ICBASS-0360

Research on the Application of Swift Playgrounds Programming Language in Function Teaching in the Field of Science and Technology in Seventh Grade

Tsai-Chen Yang | *National Tsing Hua University*

Yu-Chun Chen | *National Tsing Hua University*

ICBASS-0210

An Exploration for the Mindsets and Innovativeness of Elderly Learners in University Programs

Jia-Mi Chen | *National Taitung University*

ICBASS-0227

Information Technology into the Curriculum and the Instruction of Junior High School in Taiwan

Hsin-Wen Chen | *National Taipei University of Education*

Ching-Yi Yang | *Army Academy R.O.C.*

Chih-Wei Tang | *Army Academy R.O.C.*

ICBASS-0289

The Motivation and Effectiveness of Service-Learning in Korean Colleges

ByoungHo Jun | *Seoul Women's University*

ICBASS-0292

The Study of Technical College Students' English Learning Motivation and Achievement in Taiwan

Fang-Hua Chen | *National Kaohsiung University of Science and Technology*

Feng-Yi Hao | *National Pingtung University*

Chiung-Li Li | *Meiho University*

ICBASS-0375

The Relationship of Taiwan Student Teachers' Cultural Intelligence and Their Overseas Internship Expatriate Adjustment in Korea

Wei-Yu Liu | *National Dong-Hwa University*

ICBASS-0296

The Effect of Object Rotation and Picture Angle in the Concealed Information Test

Philip Tseng | *Taipei Medical University*

Ann Hsu | *Taipei Medical University*

Yu-Hui Lo | *Taipei Medical University*

ICBASS-0301

Laboratory Behavioral Predictors of Driving Performance

Yu-Hui Lo | *Taipei Medical University*

Sheng-Hui Chiu | *Taipei Medical University*

Philip Tseng | *Taipei Medical University*

ICBASS-0311

Do People Always Implicitly Perceive “Negative Space” in Design?

Shih-Chiang Ke | *Taipei Medical University*

Yu-Hui Lo | *Taipei Medical University*

Chih-Chung Ting | *University of Amsterdam*

Philip Tseng | *Taipei Medical University*

ICBASS-0312

A Visual Illusion Induced by Alternating Contrast in Brightness

Yi-Tsen Kuo | *Taipei Medical University*

Philip Tseng | *Taipei Medical University*

ICBASS-0321

The Effect of Spatial Symmetry on Numerical Subitizing

Chin-Yen Hsin | *Taipei Medical University*

Yu-Hui Lo | *Taipei Medical University*

Philip Tseng | *Taipei Medical University*

ICBASS-0372

Economic Stability in a Small Open Economy with Income Effect on Leisure Demand and Adjustment Costs

Yu-Shan Hsu | *National Chung-Cheng University*

ICBASS-0214

How Does Entrepreneurial Leaders Deal with Ideas in Entrepreneurial Teams?

Huanhuan Wang | *Pusan National University*

Jongkwan Kim | *Pusan National University*

ICBASS-0229

Analysis of Marketing Strategies on Whiskey Distillery Study Trips -- The Case of Yoichi Distillery, Kavalan Whisky Distillery

Kan-Lu Kuo | *Army Academy R.O.C.*

Ching-Yi Yang | *Army Academy R.O.C.*

Chieh-Fang Hung | *Army Academy R.O.C.*

Chih-Jung Chi | *Army Academy R.O.C.*

ICBASS-0232

A Study of the Employability Based on Japanese Language Competence

Chia-Chun Lin | *Southern Taiwan University of Science and Technology*

Wei-Chen Yang | *Southern Taiwan University of Science and Technology*

Hsiao-Wei Tseng | *Southern Taiwan University of Science and Technology*

ICBASS-0233

Analysis of Using Personal Space at Trade Fair Receptions

Wei-Chen Yang | *Southern Taiwan University of Science and Technology*

Chia-Chun Lin | *Southern Taiwan University of Science and Technology*

Wen Xin Li | *Southern Taiwan University of Science and Technology*

ICBASS-0237

Inside the Mind of a Cheater: A Study on Moral Decision-Making in Thailand

Maneewan Chat-Uthai | *National Institute of Development Administration*

ICBASS-0348

Value Co-Creation on the Crowdfunding of Knowledge Sharing and Purchase Behavior—The Case Study of Pocket Food Bag

Li-Ling Chang | *Yuan Ze University*

Chih-Ping Chen | *Yuan Ze University*

ICBASS-0349

Exploring Different Types and Influences of Product Placement from the Video Interactions of a Korean Beauty YouTuber as a SMI to Understand Consumer Attitudes in Taiwan

Ting Ying Lan | *Yuan Ze University*

Chih-Ping Chen | *Yuan Ze University*

ICBASS-0387

A Study on STEAM of Developing the Traditional Culture Curriculum through Learning Technology in Elementary School

Chien-Ting Huang | *National Tsing Hua University*

ICBASS-0388

Cloud Library versus Traditional Print: A Comparison Study of Reading Comprehension and Attitude of Popular Science Readings in Schoolchildren

Chia-Yun Hsieh | *National Tsing Hua University*

Ying-Hua Lee | *Hsinchu Municipal Min Fu Primary School*

Fu-Yuan Chiu | *National Tsing Hua University*

ICBASS-0366

The Innovation of Information Technology Curriculum and Teaching Practice in Taiwan

Ming-Yi Chiu | *National Tsing Hua University*

ICBASS-0313

Promoting Teaching and Learning Mathematical Modeling

Chih-Ru Hsiao | *Soochow University*

Poster Sessions (5)

Material Science and Engineering/ Electrical and Electronic

Engineering/ Life Science (4)

Wednesday, March 27, 2019 16:00-16:50 Room AV

ACEAIT-0335

The Investigation of Laser Re-melting Process Parameters on Surface Properties

Shyang-Jye Chang | *National Yunlin University of Science and Technology*

Jiou-You Liu | *National Yunlin University of Science and Technology*

ACEAIT-0337

Catalytic Effects of Pyroprotein Layer on the Surface of Sodium Metal Anode

Hyoung-Joon Jin | *Inha University*

ACEAIT-0338

Design of a Power-Saving Vibration Control System for a Fragile Wooden House by a Sliding Mode Control Method

Adachi Takahito | *Fukuoka Institute of Technology*

Takahara Kenji | *Fukuoka Institute of Technology*

APLSBE-0109

Promotion of CBL-Dependent Degradation of EGFR through Ligand-Induced Y1045 Autophosphorylation in Lung Adenocarcinoma Cells by a Novel Small-Molecule Agent

Kuo-Yen Huang | *Academia Sinica*

Pan-Chyr Yang | *National Taiwan University*

APLSBE-0110

Targeting Tumor Microenvironment by Bioreduction-Activated Nanoparticles

Shuenn-Chen Yang | *Academia Sinica*

Pan-Chyr Yang | *National Taiwan University*

APLSBE-0117

GSH is Involved in the Effect of Exogenous Nitric Oxide on Photosynthetic Characteristics of Cucumber Seedling Leaves under Low Temperature Stress

Jinxia Cui | *Shihezi University*

APLSBE-0118

Effect of Exogenous Hydrogen Sulfide and Nitric Oxide on Photosynthetic Physiological Characteristics and Chlorophyll Fluorescence Parameters of Processing Tomato (*Lycopersicon esculentum* Mill ssp. *subspontaneum* Brezh) Seedlings Under NaCl Stress

Huimei Cui | *Shihezi University*

APLSBE-0125

Effects of Exogenous Ascorbic Acid on photosynthesis characteristics and Fast Chlorophyll Fluorescence Induction Dynamics in Processing Tomato Seedlings under Salt Stress

Huiying Liu | *Agricultural College, Shihezi University*

APLSBE-0127

Effects of exogenous ALA on Photosynthesis and membrane peroxidation in the leaves of sour jujube seedlings under NaCl treatment

Junli Sun | *Shihezi University*

APLSBE-0129

Effects of different rootstocks on the content of veratrol and the activity of related enzymes in cabernet sauvignon grapes

Baolong Zhao | *Shihezi University*

