

Conference Program

March 27-29, 2018

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

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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 27, 2018

08:30-17:00, Wednesday, March 28, 2018

08:30-17:00, Thursday, March 29, 2018

■ **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.



■ **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


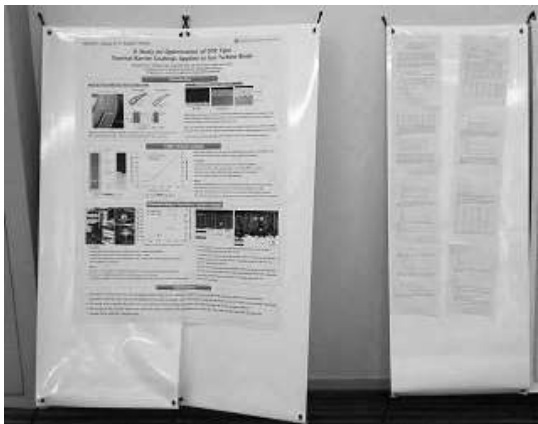
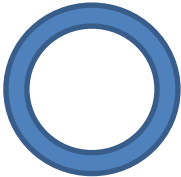

Materials Provided by the Conference Organizer:

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

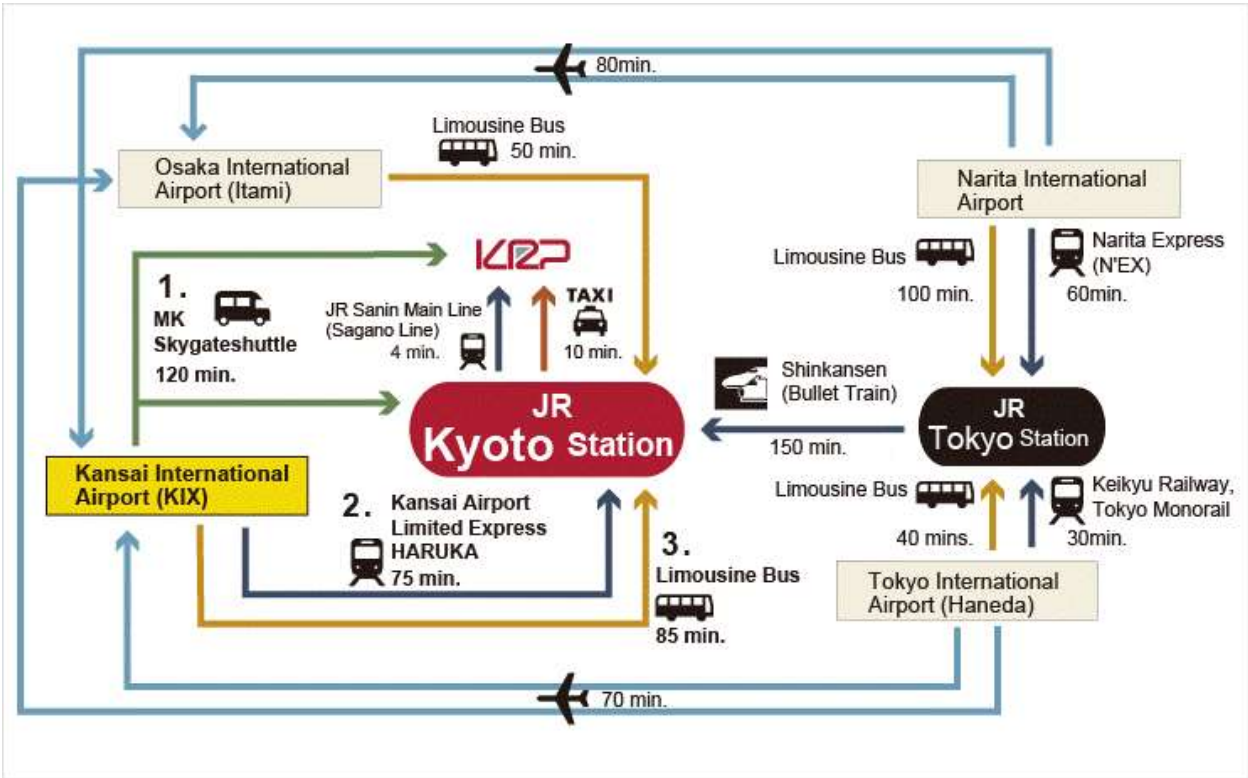
134, Chudoji Minami-machi, Shimogyo-ku, Kyoto 600-8813, Japan

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.

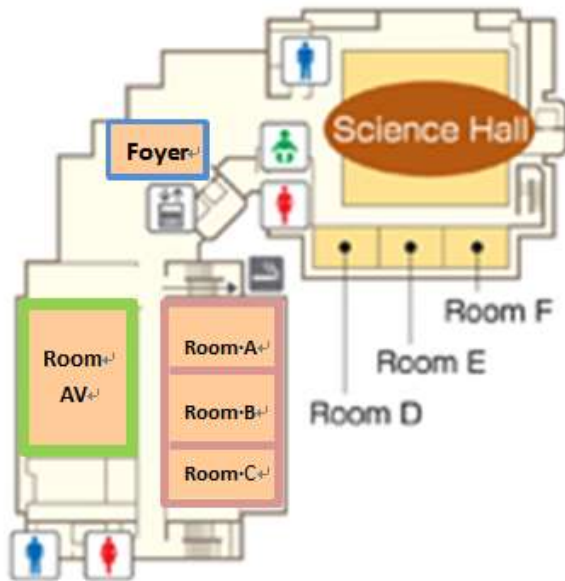
You can purchase your ticket at Tokyo station. It takes 2 hours and 20 minutes to reach Kyoto station.

From Tambaguchi station to Kyoto Research Park.

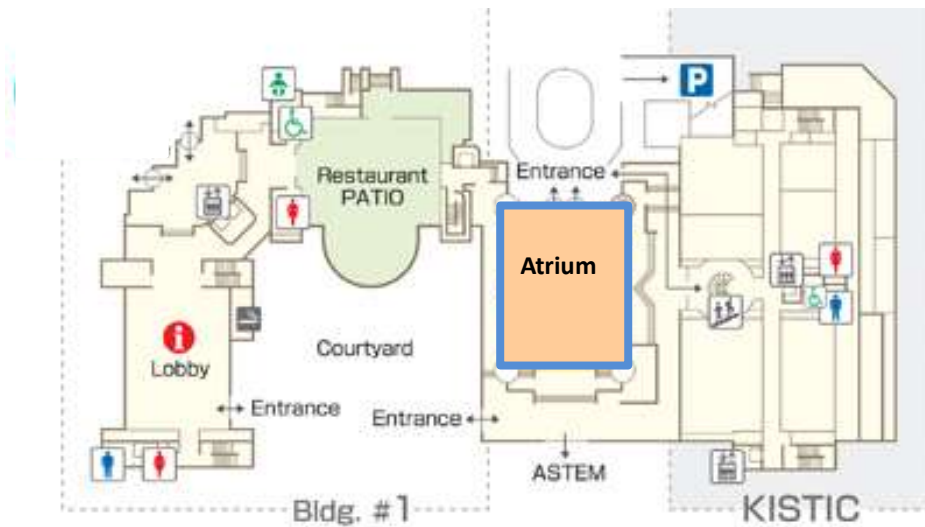
1. Take the path to the station ticket gate.
2. Go down the hallway and turn left.
3. Walk two blocks and turn left.
4. Kyoto Research Park will be on the right.

Kyoto Research Park

The 4th East block floor plan



The 1st East block floor plan



Registration: Foyer area, 4th floor

Poster Session: Room AV

Tea Break & Networking: Foyer area and Room AV

Oral Session: Room A, B and C

Lunch: Atrium, 1st floor

Conference Schedule

Tuesday, March 27, 2018		
15:00-17:00	Pre-Registration	Foyer Area, 4F
17:00-17:30	Gathering for Gala Dinner Party	Foyer Area, 4F
17:30-20:00	Optional Socializing Event- Gala Dinner Party	GANKO restaurant

Wednesday, March 28, 2018

Oral Session

Kyoto Research Park ,4F

Time	Schedule	Venue
08:30-17:00	Registration	Foyer Area, 4F
08:45-10:15	Computer and Information Sciences(1)	Room A, 4F
	Mechanical Engineering (1)	Room B, 4F
	Economics	Room C, 4F
10:15-10:30	Tea Break & Networking	Foyer Area, 4F
10:30-12:00	Natural Sciences Keynote Speech (1) Dr. Anthony Johnson <i>Topic: Sustainability: First Aid for Planet Earth</i>	Room A, 4F
	Natural Sciences Keynote Speech (2) Dr. Hogan Yu <i>Topic: Mobile Electronics as Quantitative Point-of-care Diagnostic Tools: from Disc Players to Smartphones</i>	
	Environmental Science	Room B, 4F
10:30-12:00	Social Sciences Keynote Speech (1) Dr. Raymond Siu Yeung Chan <i>Topic: "Ladies' Night—Sex Discrimination or Economic Motives: Comparisons of Hong Kong, the United Kingdom and the United States"</i>	Room C, 4F
	Social Sciences Keynote Speech (2) Dr. David C. Donald <i>Topic: Why Designing Corporate Governance to Serve the Logic of Financial Markets Damages Business Corporation</i>	
12:00-13:00	Lunch Time	Atrium, 1F

13:00-14:30	Life Science (1)	Room A, 4F
	Chemical Engineering	Room B, 4F
	Management (1)	Room C, 4F
14:30-14:45	Tea Break & Networking	Foyer Area, 4F
14:45-16:15	Biological Engineering (1)	Room A, 4F
	Education (1)	Room B, 4F
	Management (2)	Room C, 4F
16:15-16:30	Tea Break & Networking	Foyer Area, 4F
16:30-18:00	Electrical and Electronic Engineering	Room A, 4F
	Psychology	Room C, 4F

Wednesday, March 28, 2018	
Poster Presentation	
Room AV, 4F	
Time	Schedule
09:30-10:30	Poster Sessions (1) Management / Psychology / Social Studies / Education / Culture / Communication
13:00-13:50	Poster Sessions (2) Computer and Information Sciences / Electrical and Electronic Engineering / Fundamental and Applied Sciences
14:00-14:50	Poster Sessions (3) Life Science
15:00-15:50	Poster Sessions (4) Mechanical Engineering
16:00-16:50	Poster Sessions (5) Material Science and Engineering / Biological Engineering / Chemical Engineering
17:00-17:50	Poster Sessions (6) Civil Engineering / Environmental Science

Thursday, March 29, 2018

Oral Session

Kyoto Research Park ,4F

Time	Schedule	Venue
08:30-17:00	Registration	Foyer Area, 4F
08:45-10:15	Computer and Information Sciences (2)	Room A, 4F
	Biological Engineering (2)	Room B, 4F
	Management (3)	Room C, 4F
	Education (2)	Room AV, 4F
10:15-10:30	Tea Break & Networking	Foyer Area, 4F
10:30-12:00	Life Science (2)	Room A, 4F
	Management (4)	Room C, 4F
	Education (3) / Law	Room AV, 4F
12:00-13:00	Lunch	Atrium, 1F
13:00-14:30	Life Science (3)	Room A, 4F
	Civil Engineering	Room B, 4F
	Management (5)	Room C, 4F
	Finance	Room AV, 4F
14:30-14:45	Tea Break & Networking	Foyer Area, 4F
14:45-16:15	Mechanical Engineering (2) / System and Naval Mechatronic Engineering	Room A, 4F
	Fundamental and Applied Sciences / Geosciences and Petroleum Engineering	Room B, 4F
	Management (6)	Room C, 4F
	Communication	Room AV, 4F
16:15-16:30	Tea Break & Networking	Foyer Area, 4F
16:30-18:00	Material Science and Engineering	Room A, 4F
	Social Studies	Room C, 4F
	Culture	Room AV, 4F

Natural Sciences Keynote Speech (1)

Room A, 4th floor

10:30–12:00, Wednesday, March 28, 2018

Topic:

Sustainability: First Aid for Planet Earth

Dr. Anthony Johnson

Seoul National University of Science and Technology



Abstract

Some of the earliest recorded environmental protection efforts were during the seventh century A.D. but environmental protection has been common throughout the centuries, gaining ground during the Industrial Revolution (circa 1750) and becoming increasingly important up to the present day. In 1987 the United Nations, Brundtland report introduced concept of sustainable development covering almost every aspect of human existence which might impact the planet. In the intervening years a great deal of work has been done by many researchers, companies and nations to define environmental systems and explain and identify environmental problems. General environmental awareness and action has markedly grown but the question must be asked, “Is the current effort enough against the backdrop of a burgeoning population and its ravenous need for goods and products?”

This paper reviews how humans use and abuse the planet and goes on to define sustainability by suggesting improvements to current practice to reduce waste and improve the longevity of “Lifeboat Earth”. Furthermore attention is given to the increasing needs of the population in terms of consumerism and the general impact that this leaves on the planet. Some defining examples are included.

Natural Sciences Keynote Speech (2)

Room A, 4th floor

10:30–12:00, Wednesday, March 28, 2018

Topic:

Mobile Electronics as Quantitative Point-of-care Diagnostic Tools: from Disc Players to Smartphones

Dr. Hogan Yu

Department of Chemistry, Simon Fraser University, Vancouver, Canada



Abstract

Current guidelines for healthcare emphasize rapid testing and reporting, which can be better satisfied by point-of-care (POC) diagnostic tools rather than centralized medical laboratories using automated multi-analyte analyzers by trained professionals. With POC testing, the turn-around time is significantly reduced, leading to earlier decision making and more efficient medical treatment. At present, POC protocols are predominantly based on rapid-test immunoassay strips/cassettes that combine gold nanoparticles for colorimetric (mostly qualitative) detection and flow-through systems for sample delivery. Mobile electronics provides a promising alternative to today's POC testing protocol; we have established both the chemistry and signal readout methodology for running assays with disc players, and recently explored the feasibility of using smartphones as the detection platform for quantitative colorimetric analysis.

Social Sciences Keynote Speech (1)

Room C, 4th floor

10:30–12:00, Wednesday, March 28, 2018

Topic:

“Ladies’ Night—Sex Discrimination or Economic Motives: Comparisons of Hong Kong, the United Kingdom and the United States”

Dr. Raymond Siu Yeung Chan

Head and Associate Professor, Department of Accountancy and Law
Director, MBA and MSc in Business Management Programmes
School of Business
Hong Kong Baptist University



Abstract

It is quite a norm for bars and nightclubs in major cities around the world to hold ladies’ nights on slow weekday nights, giving female patrons price concessions for entrance fee and drinks. These promotions are held on the basis of the general observation that women are less likely frequent visitors to bars and nightclubs than men. Relying on basic economic notions of supply and demand, bars and nightclubs will enjoy bigger revenue from a larger number of customers by encouraging women to come to the venues through offering generous discounts on services to them. The government will also receive a larger amount of tax revenues charged on the profits and sales of the bar and club industries.

Whether these promotional gimmicks run afoul of the sex discrimination laws of those countries where ladies’ nights are popular is controversial. In general, most countries have such laws in place protecting men and women from discrimination on the ground of sex or marital status. Historically, women have held a second-class position relative to men, with prevailing view being that women’s only proper roles were wives and mothers, and women were financially dependent of men. Thus, women have usually been the targets of discrimination. In contrast, it is men who are said to be discriminated in ladies’ nights. Opponents of ladies’ nights accuse bars and nightclubs to have employed sex-based differential pricing as a marketing strategy based on

the archaic gender stereotypes to lure women into establishments in order to use their physical appearance to influence men's spending decisions. Thus, sex-based disparate pricing hurts both men and women by demeaning them based on archaic notions of sexuality and traditional gender roles. Yet, supporters of ladies' nights consider gender stereotypes no longer valid nowadays as the world has been changing so fast recently in such a way that also bring along with considerable changes in the roles of females in the sphere of family life. Women have become more financially independent now. Also, complaints of the practices of ladies' nights are very rare around the globe, suggesting that people of both sexes do not consider ladies' nights as discriminating or they consider this practice too trivial to warrant their time and energy to file a complaint in view of the fact that the differences in the prices charged to women and men are minimal. It seems that no one is a loser from adopting this practice. In this case, why should we still need to prohibit this type of promotional gimmicks similar to other more serious and genuine types of sex discrimination acts (such as sex discrimination in employment)? Would it be possible to allow these promotions under certain conditions? If it is so, what should these conditions be?

To better understand this topic in more details, this speech reviews the sex discrimination laws related specifically to the ladies' night regimes of the United Kingdom, the United States and Hong Kong. It also examines how commentators and the public see the promotions offered by ladies' nights and whether they consider these promotions discriminative. This speech also uses recent gender statistics in Hong Kong to analyze whether the archaic gender stereotypes are still valid now or not. Finally, this speech suggests how relevant laws and regulations could be revised to accommodate ladies' nights held at local entertainment venues under certain conditions.

Social Sciences Keynote Speech (2)

Room C, 4th floor

10:30–12:00, Wednesday, March 28, 2018

Topic:

Why Designing Corporate Governance to Serve the Logic of Financial Markets Damages Business Corporations

Dr. David C. Donald

The Chinese University of Hong Kong, Faculty of Law



Abstract

Market traders must operate with sufficient spread – buy low, sell high (or vice versa). Fundamental value is irrelevant, provided the trend of market price is favorable. Liquidity is key, for traders must be able to react to market trends. Securities reflecting relatively unknown products – such as a mass-market electric automobile – present a good opportunity for healthy volatility in which skillful traders can benefit as prices soar and plunge. The logic of the financial market is one requiring liquidity, volatility, and rapid reaction (or better, anticipation) in connection with price shifts.

Entrepreneurs engaged in innovative businesses require patience and understanding, as they explain how their new product or service fits into or replaces an existing network of items already in use. They seek to demonstrate the fundamental value of their offering, and hope to achieve a stable respect in the market for products or services. The logic of productive business is one requiring rational assessment, some patience, and ultimately a stable picture of value.

The logic of the financial market is almost diametrically opposed to that of productive business, yet leading legal systems tie the governance of business corporations to financial market needs. At least since the 1980s, international corporate governance discourse, following an American lead, has centered around a need to focus corporate activity on the interests of financial investors.

The results have clearly marked recent economic history: a generation of corporate managers playing the market for the shares of their own companies, an accelerated frequency of market crises, innovative companies being dismantled, ‘liquified’, by investors to generate spurts of cash

for instant consumption, and an increasing number of companies seeking to protect themselves from market influence.

In the context of US corporate law, this paper investigates how a better understanding of financial market logic is leading to a reevaluation of corporate governance away from a model that impedes and distorts the operation of business corporations.

Computer and Information Sciences (1)

Wednesday, March 28, 2018 08:45-10:15 Room A

Session Chair: *Prof. Azween B. Abdullah*

ACEAIT-0008

PrivAegis – Enhancing Privacy and Confidentiality on Web Browsers

Azween B. Abdullah | *Taylor's University*

Noor Zaman Khan | *King Faisal University*

Ramachandran Ponnai | *Taylor's University*

Samir Brahim Behaouari | *Hamad Bin Khalifa University*

ACEAIT-0022

Click-and-Mortar Social Networking with Business Intelligence

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

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

ACEAIT-0038

Approximation Algorithms for Minimizing Total Busy Time on Parallel Machines

Chi-Yeh Chen | *National Cheng Kung University*

ACEAIT-0051

HEVC Fast Multiple Frame Selection Based on Data Mining

Chou-Chen Wang | *I-Shou University*

Song-Hui Hong | *I-Shou University*

Liang-Chun Chen | *I-Shou University*

ACEAIT-0119

An AR Music Game for the Dementia Elderly

Chen Yi Lin | *National Taichung University of Science and Technology*

Wan-Hsuan Liu | *National Taichung University of Science and Technology*

You-Lian Lin | *National Taichung University of Science and Technology*

Pei-Tzu Chiu | *National Taichung University of Science and Technology*

Jia-Yun Chiang | *National Taichung University of Science and Technology*

Ko-Yi Hsieh | *National Taichung University of Science and Technology*

ICBASS-0173

A Study of Internship Training in Computing: Student Perceptions

Kelvin Chi Kuen Wong | *Hong Kong Baptist University*

Fion Sau Ling Lee | *Hong Kong Baptist University*

Martin Man Ting Choy | *Hong Kong Baptist University*

Mechanical Engineering (1)

Wednesday, March 28, 2018

08:45-10:15

Room B

Session Chair: *Prof. Rong-Hua Yeh*

ACEAIT-0049

Laminar Fully Developed Flow in a Heat Exchanger with Internal Longitudinal Fins

Rong-Hua Yeh | *National Kaohsiung Marine University*

ACEAIT-0056

The Performance Investigation of an Organic Rankine Cycle with Mixture for Waste Heat Recovery

Min-Hsiung Yang | *National Kaohsiung Marine University*

ACEAIT-0063

The Study of Sensing Performance on Open-Cavity Fiber-Optic Interferometer Sensor Fabricated by CO₂ Laser

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

Yan-Xian Li | *National Pingtung University of Science and Technology*

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

ACEAIT-0149

Secondary Mirror Focusing Mechanism for a Small Satellite Camera

Jai-Hyuk Hwang | *Korea Aerospace University*

Dae-Gi Hong | *Graduate School of Korea Aerospace University*

ACEAIT-0152

Experimental Study of Yaw Angle Effect on the Aerodynamic Performance of Rear Spoiler

Cheng See Yuan | *Universiti Teknikal Malaysia Melaka*

Chin Kwang Yhee | *Universiti Teknikal Malaysia Melaka*

ACEAIT-0161

Transient Distributions of Flow Velocity and Temperature in an Inertance Pulse Tube Cryocooler

Gilhwan Lee | *Graduate School of Suncheon National University*

Kyunghwan Lee | *Sunchon National University*
Jongwook Choi | *Sunchon National University*
Jaesoo Kim | *Chosun University*

Economics

Wednesday, March 28, 2018

08:45-10:15

Room C

Session Chair: *Prof. Emiliano Colantonio*

ICBASS-0079

Evaluating Investments in Culture-Led Regeneration: Willingness to Pay vs Social Utility

Emiliano Colantonio | *University of Chieti-Pescara*

Alessandro Crociata | *University of Chieti-Pescara*

Donatella Furia | *University of Chieti-Pescara*

Nicola Mattoscio | *University of Chieti-Pescara*

ICBASS-0037

The Dilemma of Pure Hardware Firms

Hsueh-Jen Hsu | *Yuan Ze University*

ICBASS-0095

Insurance Purchasing and Household Risk Management Behaviors of Thai Rice Farmers

Sunti Tirapat | *Chulalongkorn University*

Narapong Srivisal | *Chulalongkorn University*

ICBASS-0119

Cultivating the Importance of Startup Sector in Emerging Economies: Indonesia's Growth Case

Bima Anditya Prakasa | *University of Airlangga*

Ilham Maulana Ibrahim Bafadal | *University of Airlangga*

ICBASS-0176

The Analysis of Competency Needs and Competency Development for Coffee Service Industry

Chia-Li Lin | *National Taipei University*

Environmental Science

Wednesday, March 28, 2018

10:30-12:00

Room B

Session Chair: *Prof. Somjai Karnchanawong*

ACEAIT-0032

Effect of Fly Ash Addition on Performance of Composting of Waste from Pineapple

Somjai Karnchanawong | *Chiang Mai University*

Atittaya Tapang | *Chiang Mai University*

ACEAIT-0010

Application of Response Surface Methodology (RSM) in Wastewater Treatment by Ozonation

Thangavel Sangeetha | *National Taipei University of Technology*

Bakthavachallam Subha | *Korea Maritime and Ocean University*

Chin-Tsan Wang | *National ILan University*

Wei-Mon Yan | *National Taipei University of Technology*

ACEAIT-0021

Effects of Alkaline Solution and TFT–LCD Waste Glass on the Simulation of Metakaolin-Based Geopolymers

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

Kae-Long Lin | *National ILan University*

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

Yan-Yu Lin | *National ILan University*

ACEAIT-0025

Rice Husks as a Resource - Critical Characteristics and Current Applications of Rice Husk Silica -

Ryoko Sekifuji | *Toyama Prefectural University*

Masafumi Tateda | *Toyama Prefectural University*

ACEAIT-0096

Blending of Inheriting Technology with Modern Technology by “Wellassa Nawodaya”

S.M. Anura Nelugolla | *Director of Irrigation*

Gamini Wijith Wijayamuni De Zoysa | *Department of Irrigation*

Wasantha Bandara Palugaswewa | *Department of Irrigation*

B.G. Thanura Lasantha Guruge | *Department of Irrigation*

ACEAIT-0114

Mass Balance Estimation of Dokriani Glacier in Central Indian Himalaya using Remote Sensing Data

Har Amrit Singh Sandhu | *PEC University of Technology*

H.S. Gusain | *Snow and Avalanche Study Establishment (SASE)*

M.K.Arora | *Snow and Avalanche Study Establishment (SASE)*

Arun Bawa | *Snow and Avalanche Study Establishment (SASE)*

Life Science (1)

Wednesday, March 28, 2018 13:00-14:30 Room A

Session Chair: *Prof. Kartiawati Alipin*

APLSBE-0016

The Effect of Temulawak (*Curcuma Xanthorrhiza* Roxb.) Rhizome and Belimbing Wuluh (*Averrhoa Blimbi* L.) Fruits Extract on Liver of Streptozotocin-Induced Diabetic Rats

Kartiawati Alipin | *University of Padjadjaran*

Annisa Maryani | *University of Padjadjaran*

Madihah | *University of Padjadjaran*

APLSBE-0014

Inhibitory Efficacy of Thai Medicinal Plant Extracts on Enteric Pathogenic Bacteria

Thida Kaewkod | *Chiang Mai University*

Yingmanee Tragoolpua | *Chiang Mai University*

APLSBE-0015

Anti- Herpes Simplex Virus Activities of Mulberry Silk Cocoon and Leaf Polysaccharide Extracts

Kanyaluck Jantakee | *Chiang Mai University*

Yingmanee Tragoolpua | *Chiang Mai University*

APLSBE-0018

Function of Mitochondria-Targeting Antimicrobial Peptides against Human Pathogen *Candida Albicans*

Yao-Peng Xue | *National Tsing Hua University*

Chung-Yu Lan | *National Tsing Hua University*

APLSBE-0019

***Candida Albicans* Rap1 in Micronazole Resistance**

Wen-Chi Huang | *National Tsing Hua University*

Ming-Feng Lin | *National Taiwan University Hospital Chu-Tung Branch*

Chung-Yu Lan | *National Tsing Hua University*

Chemical Engineering

Wednesday, March 28, 2018

13:00-14:30

Room B

Session Chair: *Prof. Shingjiang Jessie Lue*

ACEAIT-0061

Agarose Gel Electrolyte Containing Colloidal Titanium Dioxide Nanoparticles and Iodide/Tri-Iodide Redox Couple for Dye Solar Cell

Chao-Ming Shih | *Chang Gung University*

Yun-Ling Wu | *Chang Gung University*

S. Rajesh Kumar | *Chang Gung University*

Shingjiang Jessie Lue | *Chang Gung University*

ACEAIT-0015

Flotation of Silicate Apatite from Lao Cai, Vietnam

Chairoj Rattanakawin | *Chiang Mai University*

Nonpavit Lamlue | *Chiang Mai University*

Wanpita Iam-Mee | *Chiang Mai University*

Wijit Panompiboon | *Chiang Mai University*

Weeraphong Chaiyaeng | *Chiang Mai University*

ACEAIT-0116

Bioethanol Production via Consolidated Bioprocessing of Alkali-Pretreated Rice Straw under Solid-State Conditions using *Fusarium Moniliforme*

Ariel Raye Rica | *University of the Philippines Diliman*

Almajoy Ilao | *University of the Philippines Diliman*

John Steven Magboo | *University of the Philippines Diliman*

Marco Lao | *University of the Philippines Diliman*

Rizalinda L. de Leon | *University of the Philippines Diliman*

ACEAIT-0081

Antimicrobial Activity of Novel Chitosan-Polyethyleneimine-Graphene Oxide Nanocomposites

Jem Valerie D. Perez | *University of the Philippines*

Joy Vanessa D. Perez | *University of the Philippines*

Raniv D. Rojo | *University of the Philippines*

Maria Lourdes P. Dalida | *University of the Philippines*

Debora F. Rodrigues | *University of Houston*

ACEAIT-0087

Characterization and Modelling of the Degradation of Hydroxypropyl Cellulose-Blended Sodium Alginate Microcapsules

Julius Nino P. Doctor | *University of the Philippines Diliman*

Justin Richmond C. Domingo | *University of the Philippines Diliman*

Ludhovik Luiz B. Madrid | *University of the Philippines Diliman*

Terence P. Tumolva | *University of the Philippines Diliman*

ACEAIT-0178

Photocatalytic Hydrogen Production from Seawater using Ag₂O-TiO₂ under Visible Light Irradiation

John Andrew Kane P. Jovellana | *University of the Philippines Diliman*

Charlene A. De Guzman | *University of the Philippines Diliman*

Monica Louise N. Trivino | *University of the Philippines Diliman*

Rizalinda L. De Leon | *University of the Philippines Diliman*

Management (1)

Wednesday, March 28, 2018

13:00-14:30

Room C

Session Chair: *Prof. Tsuyako Nakamura*

ICBASS-0099

A New Trend of Company-Supported Daycare Centers in Japan: What It Means to Japanese Society

Tsuyako Nakamura | *Doshisha University*

ICBASS-0033

An Analytic Model for Building Brand Attachment Preference in Car Firms

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

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

Wei-Cheng Liao | *National Kaohsiung First University of Science and Technology*

ICBASS-0063

An Economic Design of Combined Double Sampling and Variable Sampling Interval EWMA Control Chart

Dja-Shin Wang | *TransWorld University*

Bo Yu Jiang | *National Yunlin University of Science and Technology*

Tong Yuan Koo | *National Yunlin University of Science and Technology*

ICBASS-0025

Saving Behaviors for Retirement among Government Officers at Sirindhorn College of Public Health, Praboromarjchanok Institute, Public Health Ministry

Rujee Charupash | *Sirindhron College of Public Health*

ICBASS-0068

Building a Digital Value Co-Creation Circle of Service Innovation: The Largest Taxi Fleet in Taiwan

Chia-Chang Tsai | *National Chengchi University*

Chia-Hui Yu | *Yancheng Teachers University*

ICBASS-0203

Consumer Acceptance of Electronic Commerce in Japan

Hitomi Suga | *Senshu University*

Yusuke Muto | *Senshu University*

Kayo Iizuka | *Senshu University*

Biological Engineering (1)

Wednesday, March 28, 2018

14:45-16:15

Room A

Session Chair: *Prof. Hsin Hsiu*

ACEAIT-0129

Complexity Analysis of Noninvasive LDF Signals in Metabolic Syndrome

Hsin Hsiu | *National Taiwan University of Science and Technology*

ACEAIT-0035

Physical Modeling of Nanowire Electron Transfer in Batch Type Dual-Chamber Microbial Fuel Cells (MFCs)

Tzu-Hsuan Lan | *National Taipei University of Technology*

Yung-Chin Yang | *National Taipei University of technology*

Chin-Tsan Wang | *National I-Lan University*

Thangavel Sangeetha | *National Taipei University of Technology*

ACEAIT-0107

Demonstration of Boronate Affinity Integrated Guided Mode Resonance Spectroscopy for HbA1c Biosensor

Boonrasri Seeleang | *Mahidol University*

Sakoolkan Boonruang | *National Electronics and Computer Technology Center (NECTEC)*

Songpol Ongwattanakul | *Mahidol University*

Romuald Jolivot | *Bangkok University*

Waleed S. Mohammed | *Bangkok University*

Chamras Promptmas | *Mahidol University*

APLSBE-0069

The Effect of Fermented Palm Kernel Cake with *Sclerotium rolfsii* Added with Humic Acid in Rations on Production Performance and Quail Egg Quality.

Gita Ciptaan | *Andalas University*

Mirawati | *Andalas University*

Ferawatiom | *Andalas University*

APLSBE-0024

Interference Engineering for Molecular Communication

Dung Phuong Trinh | *Kyung Hee University*

Youngmin Jeong | *Kyung Hee University, Massachusetts Institute of Technology*

Hyundong Shin | *Kyung Hee University*

Moe Z. Win | *Massachusetts Institute of Technology*

ACEAIT-0059

A Gold Hybrid Nanoconstruct for Targeted Cancer Imaging and Therapy

Resmi V Nair | *Sree Chitra Tirunal Institute for Medical Sciences and Technology*

Hema S | *Sree Chitra Tirunal Institute for Medical Sciences and Technology*

Jayasree Ramapurath S | *Sree Chitra Tirunal Institute for Medical Sciences and Technology*

Education (1)

Wednesday, March 28, 2018 14:45-16:15 Room B

Session Chair: *Prof. Kannaphat Nithitwaraphakun*

ICBASS-0076

The Application of Task-based Language Teaching to the English Training Course for One Tambon (Village) One Product (OTOP) Entrepreneurs in Thailand

Kannaphat Nithitwaraphakun | *Phranakhon Rajabhat University*

ICBASS-0096

An Analysis of Tourist Patterns in Rural -Rural Experience-Guided Tours and Rural Education

Yu-Tzu Wang | *National Yunlin University of Science and Technology*

Chang-Franw Lee | *National Yunlin University of Science and Technology*

ICBASS-0018

The Influence of Communication Proficiency to Student's Academic Performance in Financial Management Course

Angelica A. Magdaraog | *Bulacan State University*

Management (2)

Wednesday, March 28, 2018

14:45-16:15

Room C

Session Chair: *Prof. Dag Ingvar Jacobsen*

ICBASS-0024

The Effects of Cultural and Structural Fit on Innovation - Evidence from a Global Telecom Company

Dag Ingvar Jacobsen | *Agder University*

ICBASS-0091

Vertical and Horizontal Communication Barriers: A Case Study of Their Effects on Employee Attitude and Performance

I-Ting Chen | *National Changhua University of Education*

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

ICBASS-0111

Assist the Company in TTQS Assessment - Take Consulting Company C as an Example

Sian-Jhe Shao | *National Changhua University of Education*

Chi-Tai Shen | *National Changhua University of Education*

ICBASS-0112

How to Manage Talent Development during Global Allocating – A Case Study in M Corporate Headquarters

Ming-Chen Hsiao | *National Changhua University of Education*

Chi-Tung Tsai | *National Changhua University of Education*

ICBASS-0130

Environment Turbulence and Collaboration Risk in Technological Entrepreneurship

Iwona Staniec | *Lodz University of Technology*

Electrical and Electronic Engineering (1)

Wednesday, March 28, 2018

16:30-18:00

Room A

Session Chair: *Prof. Andrew Nafalski*

ACEAIT-0067

Tools of Online Teaching in Electrical and Information Engineering

Andrew Nafalski | *University of South Australia*

Thomas Zawko | *University of South Australia*

Zorica Nedic | *University of South Australia*

Hugh Considine | *University of South Australia*

ACEAIT-0039

Eavesdropping Detection Based on Power-Comparisons to Reconfigure Signature Keys in Optical Coding Access Networks

Chao-Chin Yang | *Kun Shan University*

Kai-Chun Lin | *National Cheng Kung University*

Jen-Fa Huang | *National Cheng Kung University*

Chien-Sheng Chen | *Tainan University of Technology*

ACEAIT-0005

A Radiation Noise Source Diagnosis Method of Common Frequency Based on Wavelet and ICA

Geng Lu | *Nanjing Normal University*

Yan Wei | *Nanjing Normal University*

Zhao Yang | *Nanjing Normal University*

Enrong Wang | *Nanjing Normal University*

Zhu Da | *Nanjing Normal University*

ACEAIT-0073

Power Line Detection using a Fully Convolutional Network and Double-Threshold Method

Hyeyeon Choi | *Pohan University of Science and Technology (POSTECH)*

Sang Jun Lee | *Pohan University of Science and Technology (POSTECH)*

Gyogwon Koo | *Pohan University of Science and Technology (POSTECH)*

Jong Pil Yun | *Korea Institute of Industrial Technology (KITECH)*

Sang Woo Kim | *Pohan University of Science and Technology (POSTECH)*

Psychology

Wednesday, March 28, 2018

16:30-18:00

Room C

Session Chair: *Dr. Cecilia M.S. Ma*

ICBASS-0056

Intentional and Unintentional Exposure to Online Pornography among Early Adolescents: Findings in a Chinese Context

Cecilia M.S. Ma | *The Hong Kong Polytechnic University*

Catie C.W. Lai | *The Hong Kong Polytechnic University*

Daniel Shek | *The Hong Kong Polytechnic University*

ICBASS-0078

The Correlation between Child Abuse and Vicious Dental Habits

Gabriela Iorgulescu | *University of Medicine and Pharmacy "Carol Davila"*

ICBASS-0082

Bullying Computer-Based Online Level Measurement and Grade Intervention Preparation: A Literature Review

Riska Amalya Nasution | *University of Indonesia*

ICBASS-0108

Online Psychoeducation for Patient with Bipolar Disorder and Online Education for Their Caregivers: A Literature Review

Nurlaila Fitriani | *University of Indonesia*

Computer and Information Sciences (2)

Thursday, March 29, 2018

08:45-10:15

Room A

Session Chair: *Prof. Lu Zhang*

ACEAIT-0043

Animating the Mapping Process for Converting an ERD to Relations

Lu Zhang | *National University*

ACEAIT-0026

A Study of Improved Shuffled Frog Leaping Algorithm Parameters on Dynamic Multi-Zone Dispatching

Pongchanun Luangpaiboon | *Thammasat University*

Sirirat Juttijudata | *Kasetsart University (Sriracha Campus)*

ACEAIT-0034

Low-Resolution Face Image Recognition through Deep Learning

Julian Supardi | *National Taiwan University of Science and Technology*

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

Tianrui Li | *Southwest Jiaotong University*

ACEAIT-0037

Classification of Parts and Selection of Purchasing Order Policies: A Case Study

Busaba Phruksaphanrat | *Thammasat University*

ACEAIT-0189

A Study on Predicting the Timing of Drop by Low Cost Brainwave Device

Wen-Pinn Fang | *YuanZe University*

Pei-Ru Tsai | *YuanZe University*

Biological Engineering (2)

Thursday, March 29, 2018

08:45-10:15

Room B

Session Chair: *Prof. Cholid Badri*

APLSBE-0026

Modeling of Custom-Made Alloplastic Temporomandibular Joint Using Rapid Prototyping Technique in Reconstructive Maxillofacial Surgery

Cholid Badri | *Universitas Indonesia*

Benny S. Latief | *Universitas Indonesia*

Anwar S. Ibrahim | *Universitas Indonesia*

Sastra K. Widjaya | *Universitas Indonesia*

V. Sutarmo Setiadji | *Universitas Indonesia*

Mohammad Adhitya | *Universitas Indonesia*

APLSBE-0045

Evaluation and Characterisation of Magnetic Gelatin Nanocarrier for Cartilage Repair

Chin-Yi Yang | *I-Shou University*

San-Yuan Chen | *National Chiao Tung University*

Huai En Lu | *The Bioresource Collection and Research Center*

Shan-Wei Yang | *Kaohsiung Veterans General Hospital*

Shwu Jen Chang | *I-Shou University*

APLSBE-0059

Development of Multi-Wall Carbon Nanotube Modified Interdigitated Electrodes as C-Reactive Protein Biosensors

Yu-Xiang Zhou | *I-Shou University*

Ching-Jung Chen | *University of Chinese Academy of Sciences*

Jen-Tsai Liu | *University of Chinese Academy of Sciences*

Shwu Jen Chang | *I-Shou University*

APLSBE-0031

Thermoplastic Bonding Mediated by Surface Wettability Control and Its Application for Biotechnology

Nae Yoon Lee | *Gachon University*

ACEAIT-0204

Impact of Wildlife Conservation on Rural Livelihoods in Some Protected Areas in India

Rao RJ | *Jiwaji University, Gwalior*

Management (3)

Thursday, March 29, 2018

08:45-10:15

Room C

Session Chair: *Prof. Yun-An Chen*

ICBASS-0067

Attracting Potential Applicants to the Traditional Manufacturing Industry: A Case Study

Yun-An Chen | *National Changhua University of Education*

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

ICBASS-0077

Recruitment for Expatriates – A Case Study

Yun-Hui Chen | *National Changhua University of Education*

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

ICBASS-0081

Recruitment and Retaining of Traditional Industries – A Case Study of H Company's Living Water Strategy

Tzu-Yun Hsu | *National Changhua University of Education*

Chi-Tai Shen | *National Changhua University of Education*

ICBASS-0114

Applications and Improvements of PODA Test: Take Company C as an Example

Mei-Ting Huang | *National Changhua University of Education*

Chi-Tung Tsai | *National Changhua University of Education*

ICBASS-0164

Using a Management Competency Model as the Basis for Training and Developing Supervisors

Yi-Rung Huang | *National Changhua University of Education*

An-Yi Chung | *National Changhua University of Education*

ICBASS-0169

So Much Pain, Not Much Gain: A Case Study of the Transition of Bonus System

Li-Ching Su | *National Changhua University of Education*

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

Education (2)

Thursday, March 29, 2018

08:45-10:15

Room AV

Session Chair: *Prof. Maretno Harjoto* /

ICBASS-0017

Community of Inquiry for Blended Learning

Maretno Harjoto | *Pepperdine University*

Abraham Park | *Pepperdine University*

ICBASS-0098

An Analysis of Rainy Day in the Picture Books

Hyuo-Won Lee | *Pusan National University*

Jeong-Jin Youn | *Tongmyong University*

ICBASS-0100

The Effects of 3D Doll Figures on Children's Long-Term Memory after Reading e-Books

Chin-Rang Ku | *National Taipei University of Technology*

Ko-Chiu Wu | *National Taipei University of Technology*

Kun-Po Hsieh | *National Taipei University of Technology*

ICBASS-0140

Literature Review: Defining Conceptual and Operational Definition of TEB

Ho Chun Sing, Maxwell | *The Education University of Hong Kong*

Life Science (2)

Thursday, March 29, 2018

10:30-12:00

Room A

Session Chair: *Prof. Dwisari Dillasamola*

APLSBE-0046

Immunomodulatory Effect Test from Moringa Leaf Extract (*Moringa Oleifera L.*) with Carbon Clearance Method in Male White Mice

Dwisari Dillasamola | *Andalas University*

Yufri Aldi | *Andalas University*

Mutia Fakhri | *Andalas University*

Skunda Diliarosta | *State University*

APLSBE-0005

Assessment of Materials for Maggot Bag Production: Maggot Debridement Therapy Application

Kwankamol Limsopatham | *Chiang Mai University*

Kabkaew Sukontason | *Chiang Mai University*

Kom Sukontason | *Chiang Mai University*

APLSBE-0012

Melittin Induced Apoptosis Cell Death and Enhanced 5-Fluorouracil (5-FU) Anticancer Drug Susceptibility in Human Melanoma (A375) Cell

Sirikwan Sangboonruang | *Chiang Mai University*

Khajornsak Tragoolpua | *Chiang Mai University*

Panuwan Chantawannakul | *Chiang Mai University*

Yingmanee Tragoolpua | *Chiang Mai University*

APLSBE-0061

Variation of Quantitative and Qualitative Traits of Kamang Duck as Local Genetic Resources in Kamang Regency West Sumatera

Firda Arlina | *University of Andalas*

Sabrina Dan Husmaini | *University of Andalas*

APLSBE-0064

Anthocyanin Derived from Sweet Potatoes (*Ipomoea Batatas* L) Variety from Kawi Mountain Protect the Reproductive System in Female *Rattus Norvegicus* Passive Smokers

Retty Ratnawati | *Faculty of Medicine, Brawijaya University*

Electrical and Electronic Engineering (2)

Thursday, March 29, 2018

10:30-12:00

Room B

Session Chair: *Prof. Yawgeng A. Chau*

ACEAIT-0140

On Device-to-Device Communication via Relays for IoT Networks

Yawgeng A. Chau | *Yuan Ze University*

ACEAIT-0052

An Efficient Embedded Rate Control for Video Encoding System Based on ADSP-BF548

Wei-Chen Li | *I-Shou University*

Han-Yu Huang | *I-Shou University*

Chou-Chen Wang | *I-Shou University*

Tsai-Ting Peng | *I-Shou University*

ACEAIT-0094

A Novel Channel Selection Algorithm for Improvement of R-Peak Detecting Accuracy in Capacitive ECG Measurement

Jun Sung Lee | *Pohang University of Science and Technology(POSTECH)*

Minho Choi | *Pohang University of Science and Technology(POSTECH)*

Minseok Seo | *Pohang University of Science and Technology(POSTECH)*

Sang Woo Kim | *Pohang University of Science and Technology(POSTECH)*

Management (4)

Thursday, March 29, 2018

10:30-12:00

Room C

Session Chair: *Prof. Katsuhiko Hirasawa*

ICBASS-0101

Making Films and Community of Talent

Katsuhiko Hirasawa | *Nihon University*

ICBASS-0118

Development Model of Social Network Industry under Digital Convergence Circumstance

Wen-Hong Chiu | *Asia University*

Rong-Ann Deng | *Asia University*

Hui-Ru Chi | *Asia University*

ICBASS-0028

Explore the Decision Behavior of Departure Time Based on Butterfly Model

Yu-Kai Huang | *Nanhua University*

Cheng-Chi Chung | *National Taiwan Ocean University*

Yen-An Wu | *National Taiwan Ocean University*

ICBASS-0031

When Demographic Differences Exist: An Analysis of Transnational Retailing Delivery Service Failure and Recovery

Shu-Mei Wang | *National Taiwan University*

Ting-I An | *Nanhua University*

ICBASS-0039

The Relationship between Learning Organization and Knowledge Management with Employees Performance (Case Study on Indonesian Institute of Sciences Researcher at Cibinong Science Center Area)

Mahardhika Berliandaldo | *Indonesian Institute of Science*

H.M. Entang | *Pakuan University*

Widodo Sunaryo | *Pakuan University*

ACEAIT-0054

Reduction and Estimation of Product Changeover Time

Samerjit Homrossukon | *Thammasat University*

Education (3) / Law

Thursday, March 29, 2018

10:30-12:00

Room AV

Session Chair: *Prof. Steven Sek-Yum Ngai*

ICBASS-0022

Service Experience, Classroom Reflection and Student Outcomes: A Study of a Service-Learning Program in Hong Kong

Steven Sek-Yum Ngai | *The Chinese University of Hong Kong*

ICBASS-0157

Determinants of Accounting Instructors' Performance: Evidence in Indonesia

Sony Warsono | *Universitas Gadjah Mada*

Arin Pranesti | *Universitas Gadjah Mada*

Frida Fanani Rohma | *Universitas Gadjah Mada*

ICBASS-0181

Development of Student Driven Learning in Engineering

Anand Vyas | *The Hong Kong Polytechnic University*

C.W. Leung | *The Hong Kong Polytechnic University*

W.O. Wong | *The Hong Kong Polytechnic University*

ICBASS-0155

Mapping and Registration of Condominiums in Taiwan

Chih-Yin Lee | *National Chengchi University*

ICBASS-0156

Legal Transplants and the Sri Lankan Constitution

Austin I. Pulle | *Singapore Management University*

Life Science (3)

Thursday, March 29, 2018

13:00-14:30

Room A

Session Chair: *Prof. Tertia Delia Nova*

APLSBE-0070

Numerical Study of Bird Flu Infection Process within a Poultry Farm with Consideration of Age Structure

Tertia Delia Nova | *Andalas University*

Masaji Watanabe | *Okayama University*

APLSBE-0022

Halophylism, the Promotion of Growth by NaCl, in a Halophyte *Mesembryanthenum Crystallinum* L.

Dan Tran Quang | *Ehime University*

Ayako Konishi | *Kagawa University*

Sakae Agarie | *Kagawa University*

APLSBE-0025

Cloning of Fumonisin-Degrading Enzyme in Yeast Expression System

Ya Chieh Huang | *National I-Lan University*

Yu Hsiang Yu | *National I-Lan University*

Yeong Hsiang Cheng | *National I-Lan University*

APLSBE-0035

Evaluation of *Bacillus Licheniformis* on Antibacterial Activity against *Brachyspira Hyodysenteriae*

Yi-Bing Horng | *National I-Lan University*

Yu Hsiang Yu | *National I-Lan University*

Yung Hsiang Cheng | *National I-Lan University*

APLSBE-0038

Hyperglycemia Induces Apoptosis in Brain through Down Regulation of Estrogen Receptor & GLUT1 during Early Development of Zebrafish

Dewi Mustika | *Universitas Brawijaya*

Mitsuyo Kishida | *Kumamoto University*

APLSBE-0039

Duration of internet gaming associates with internet gaming disorder risk but not academic performance among undergraduate medical students in Universitas Brawijaya, Indonesia

Nia Kurnianingsih | *Faculty of Medicine Universitas Brawijaya*

Retty Ratnawati | *Faculty of Medicine Universitas Brawijaya*

Rizqi Bagus Setyo Prawiro | *Faculty of Medicine Universitas Brawijaya*

Maryam Permatasari | *Faculty of Medicine Universitas Brawijaya*

Heidyana Rachma Putri | *Faculty of Medicine Universitas Brawijaya*

Adilla Surya Ariadi | *Faculty of Medicine Universitas Brawijaya*

Civil Engineering

Thursday, March 29, 2018

13:00-14:30

Room B

Session Chair: *Prof. Punnawit Parnklang*

ACEAIT-0103

Evaluation of Soil Properties to Identify a “Soft Spot” for Stability of Embankment Road

Punnawit Parnklang | *King Mongkut's Institute of Technology Ladkrabang*

Thanadol Kongsomboon | *King Mongkut's Institute of Technology Ladkrabang*

ACEAIT-0012

Shaking Table Testing for Hanging Bracket with Tube by Strain Gauge

Yo-Yo Ma | *National Kaohsiung Marine University*

Guang-Min Luo | *National Kaohsiung Marine University*

Chia-Ming Lee | *National Kaohsiung Marine University*

ACEAIT-0055

Ultimate Axial Strength of RC Slender Walls with Openings

Dongjun Lee | *Seoul National University of Science and Technology*

Soontaek Oh | *Seoul National University of Science and Technology*

ACEAIT-0106

Effect of Material and Geometrical Parameters on Peeling Mode of Failure in Steel Plated RC Beam – Predictive Analysis

Mohammad Arsalan Khan | *Aligarh Muslim University*

ACEAIT-0132

Response Spectrum Analysis of Multistory RC Framed Building with and Without Shear Walls

Arshdeep Singh | *PEC University of Technology*

Sarita Singla | *PEC University of Technology*

Management (5)

Thursday, March 29, 2018

13:00-14:30

Room C

Session Chair: *Prof. Tatjana Brkic*

ICBASS-0106

Soial Innovation in Business and Entrepreneurship

Tatjana Brkic | *Red River College*

ICBASS-0159

Integrated TAM and Trust Model of Cross-Border Online Purchase Intention with Perceived Benefits and Risk as Mediators

Nai-Hua Chen | *Chienkuo Technology University*

ICBASS-0065

The Development of Human Resources in Non-Tax Revenue Management through Knowledge Management System Based on Web

Mahardhika Berliandaldo | *Indonesian Institute of Science*

Karno | *Indonesian Institute of Science*

Mauludin Hidayat | *Indonesian Institute of Science*

ICBASS-0066

Analysis of Facilities and Infrastructure Management toward Work Productivity in Cibinong Science & Technology Park

Andis Priswantoro | *Indonesian Institute of Sciences*

Mahardhika Berliandaldo | *Indonesian Institute of Science*

ICBASS-0200

Challenges of Collaboration in Small and Middle Technological Enterprises

Karol Klimczak | *Lodz University of Technology*

Wojciech Machowiak | *Lodz University of Technology*

Iwona Staniec | *Lodz University of Technology*

Yochanan Shachmurove | *Lodz University of Technology*

Finance

Thursday, March 29, 2018

13:00-14:30

Room AV

Session Chair: *Prof.*

ICBASS-0064

Losers and Prospectors in Short-Term Options

Arjun Chatrath | *University of Portland*

ICBASS-0193

How to Merge is the Best Strategy? - Empirical Evidence from Taiwanese Banking Industry

Lien-Wen Liang | *Chinese Culture University*

Ling-Yi Shen | *National Taipei University of Technology*

ICBASS-0194

The Impact of Corporate Social Responsibility and Corporate Governance on Bank Efficiency - A Comparative Analysis of Merged and Non-Merged Banks

Lien-Wen Liang | *Chinese Culture University*

Tsui-Jung Lin | *Chinese Culture University*

Chu-Yi Ching Su | *Chinese Culture University*

ICBASS-0195

The Impact of Supervision System and Regulations on Bank Efficiency —Evidences from Some Asian Countries

Lien-Wen Liang | *Chinese Culture University*

Hai-Yen Chang | *Chinese Culture University*

Sih-Han Wang | *Chinese Culture University*

ICBASS-0196

The Impact of Financial Supervision and Bank Risk on Bank Efficiency – Evidences from Some Africa Countries

Lien-Wen Liang | *Chinese Culture University*

Ruo-Sin Wang | *Chinese Culture University*

Mechanical Engineering (2) / System and Naval Mechatronic

Engineering

Thursday, March 29, 2018

14:45-16:15

Room A

Session Chair: *Prof. Kenjiro Shimano*

ACEAIT-0185

A Basic Study to Calculate 2-D Flow Velocity Profile with Non-Zero Divergence

Kenjiro Shimano | *Tokyo City University*

ACEAIT-0028

Feedback Control Method for an Optical Profilometer Based on a DVD Pickup Head

Hsien-Shun Liao | *National Taiwan University*

ACEAIT-0157

A Study of Geometry Parameters of Non-Contact Vortex Grippers

Tzu-Hsuan Feng | *National Cheng Kung University*

Cha`o-Kuang Chen | *National Cheng Kung University*

Kuo-Teng Tsai | *Industrial Technology Research Institute*

Sung-Ho Liu | *Industrial Technology Research Institute*

ACEAIT-0154

Simulation Model for Strip Warpage of Molding Process

Wan-Chun Chuang | *National Sun Yat-Sen University*

Wei-Long Chen | *National Sun Yat-Sen University*

ACEAIT-0011

Structural Adhesives Used to Delay the Shear Failure of FRP-Metal Heterogeneous Joints

Guang-Min Luo | *National Kaohsiung Marine University*

Yi-Chuan Hsu | *National Kaohsiung Marine University*

Ya Jung Lee | *National Kaohsiung Marine University*

Fundamental and Applied Sciences / Geosciences and

Petroleum Engineering

Thursday, March 29, 2018

14:45-16:15

Room B

Session Chair: *Prof. Jaw-Fang Lee*

ACEAIT-0031

An Analytic Model of Unsteady Directional Wave Generation

Cheng-Tsung Chen | *Yancheng Institute of Technology*

Jaw-Fang Lee | *National Cheng Kung University*

Pi-Sheng Hu | *National Cheng Kung University*

ACEAIT-0020

Structural and Ionic Conduction Study of Enhanced Bio-Polymer Electrolytes based Carboxymethyl Cellulose Doped NH₄Br

Ahmad Salihin Samsudin | *Universiti Malaysia Pahang*

ACEAIT-0177

Accumulation of the Fossiliferous Fluvio-Lacustrine Carbonates of the Early Jurassic Nam Phong Formation, Khorat Group, Northeastern Thailand

Rattanaphorn Hanta | *Suranaree University of Technology*

Anisong Chitnarin | *Suranaree University of Technology*

Kannatee Fuengaksorn | *Suranaree University of Technology*

Patteera Ketmuangmoon | *Suranaree University of Technology*

Management (6)

Thursday, March 29, 2018

14:45-16:15

Room C

Session Chair: *Prof. Lina Vyas*

ICBASS-0146

Organizational Family Support Role in Advancing, Redesigning, Rationalizing, or Amending Family-Friendly Policies

Lina Vyas | *The Education University of Hong Kong*

Kee-Lee Chou | *The Education University of Hong Kong*

ICBASS-0029

Explore the Behavior Intention of e-Reading Using by Bass Diffusion Model

Yu-Kai Huang | *Nanhua University*

Qiang Jin | *Hebei University*

Shih-Wei Hsu | *Wuhan University*

Hsiang-Lan Lin | *Department of Culture and Creative Enterprise Management*

ICBASS-0183

Favorability Awareness by Face Expression

Shao Kuo Tai | *Chaoyang University of Technology*

Hung Chih Kuo | *Chaoyang University of Technology*

ICBASS-0187

Exploring the Relationship between Performance Feedback, Ownership Structure, and Outside Directors in Family Business Diversification Strategy

Lin-Hua Lu | *National Taipei University of Technology*

Yuan-Jui Cheng | *National Taipei University of Technology*

Communication

Thursday, March 29, 2018

14:45-16:15

Room AV

Session Chair: *Prof. Yahhuei Hong*

ICBASS-0177

Third-Person Effect vs. First-Person Effect--A Study of the News Effect of 33 Physicians Poached by Fu Jen Catholic University Hospital from Taiwan University Hospital

Yahhuei Hong | *Fu Jen Catholic University*

Roland Chang | *Shih Hsin University*

ICBASS-0094

A Study on Creative Thinking of Bionic Toy by the Double Diamond Methodology

Yu-Yu Chiu | *National Yunlin University of Science and Technology*

Wen-Shan Chang | *National Yunlin University of Science and Technology*

ICBASS-0116

The Image Narrative Story: A Study of Record in Creative Design

Jo-Ching Liao | *National Yunlin University of Science and Technology*

Jalin K. Huang | *National Yunlin University of Science and Technology*

Shu-Hua Huang | *Air Force Institute of Technology*

ICBASS-0117

Digital Tools to Explore the Film Production Process

Chi-Chieh Liu | *National Yunlin University of Science and Technology*

Jalin K. Huang | *National Yunlin University of Science and Technology*

Chi-Wei Lee | *Chaoyang University of Technology*

ICBASS-0153

Politeness in Business Japanese with the Positive and Negative Faces

Ying Ru Wu | *National Cheng Kung University*

Material Science and Engineering

Thursday, March 29, 2018

16:30-18:00

Room A

Session Chair: *Prof. Ku-Chin Lin*

ACEAIT-0030

Freeform Lens Design for Illumination of Right Polygonal Shapes

Ku-Chin Lin | *Kun Shan University*

ACEAIT-0041

Feasibilities to Develop Concrete Floor of Swine Farm in Thailand.

Laddawan Lapcharatsangroj | *King Mongkut's Institute of Technology Ladkrabang*

Chalida U-Tapao | *King Mongkut's Institute of Technology Ladkrabang*

ACEAIT-0088

Effects of Hydrophobic Porous Coating and Catalyst on Cycling Performance of Lithium-Oxygen Battery

Jia-Cheng Chang | *Chang Gung University*

Shingjiang Jessie Lue | *Chang Gung University*

ACEAIT-0111

Interaction of GO with Various Salts and Solvents

Chia Wen Lin | *Chang Gung University*

Shingjiang Jessie Lue | *Chang Gung University*

ACEAIT-0184

Effect of Carbon Fibers on Mechanical Properties of Aluminum Alloys

Aniwat Hasook | *Rajamangala University of Technology Isan*

Pitinun Vasantasanant | *Rajamangala University of Technology Isan*

Patcharaporn Somdee | *Rajamangala University of Technology Isan*

Kanokon Nuilek | *Rajamangala University of Technology Isan*

Chanon Bunon | *Rajamangala University of Technology Isan*

Natkrita Prasetsopha | *Rajamangala University of Technology Isan*

Social Studies

Thursday, March 29, 2018

16:30-18:00

Room C

Session Chair: *Prof. Chih-Chia Chuang*

ICBASS-0190

Identification in Taiwan: Exploring the Effects of Inter-Generational Educational Mobility on Cultural Taste Profiles

Chih-Chia Chuang | *National Dong Hwa University*

Ting-Shuan Chaung | *National Dong Hwa University*

ICBASS-0027

The Influence of Product Presentation Mode and Academic Major on the Motivation of Haptic

Chih-Long Lin | *National Taiwan University of Arts*

Si-Jing Chen | *National Taiwan University of Arts*

ICBASS-0070

How People with Intellectual Disabilities Experience Getting Old in Korea

Yu-Ri Shin | *Dongguk University*

ICBASS-0097

Effects of Assets on Depression of Elderly Living Alone: Focused on the Mediation Effect of Health Promotion Behaviors

Ji-Hong Cheong | *SungKyunKwan University*

Myung-Yong Um | *SungKyunKwan University*

Culture

Thursday, March 29, 2018

16:30-18:00

Room AV

Session Chair: *Prof. Thananan Boonwanna*

ICBASS-0074

Factors Affecting Attitudes and Presentation of the Image of Nguyễn Cơ Thạch as a Villain in Thai Media in 1980

Thananan Boonwanna | *Khon Ken University*

ICBASS-0144

‘One Heart Opens Two Gates’ or ‘Two Gates Open One Heart’? –The Attempt to Discover the Common Traits and Differences Among Buddhism’s ‘True Emptiness and Indescribable Existence’, Philosophical Daoism’s ‘Yuo’, ‘Wu’ and Kantian Terms ‘Phaenomenon’, ‘Noumenon’ in Metaphysics, Epistemology, and Theory of Human Nature.

Verena Xiwen Zhang | *Tunghai University*

ICBASS-0188

Using Trompenaars & Hampden-Turner's (1997) Cultural Framework: Individualism Vs Collectivism to Better Determine Inbound Tourist Behaviors: A Hong Kong Study

Jonathan Lockwood Sutton | *Hong Kong Polytechnic University*

ICBASS-0163

Design of Prototype of Kra Isthmus OTOP Center

Thidima Umpawan | *King Mongkut's University of Technology North Bangkok*

ICBASS-0168

Development of OTOP Center – A Case Study of Prachuap Khiri Khan OTOP Center

Manintra Tumkosit | *King Mongkut's University of Technology North Bangkok*

Poster Sessions (1)

**Management / Psychology / Social Studies / Education / Culture
/ Communication**

Wednesday, March 28, 2018 09:30 -10:30 Room AV

ICBASS-0030

An Analysis of Behavior Intention for Hotel of Environmental Conservation by Theory of Planned Behavior

Connie Chang | *Musashino University*

Was-Yan Chen | *National Taiwan of Science and Technology*

Shang-Yen Lin | *Nanhua University*

ICBASS-0035

Competitive Dynamics in Taiwan's Travel Industry

Ing-Shane Yung | *National Chiayi University*

Yi-Pin Chen | *Taipei University of Marine Technology*

David Y. Chang | *National Chiayi University*

ICBASS-0061

Applications of Combination of IPA and Empathy Map Method – An Example of K Recreation Ranch in Taiwan

Chien-Hui Hong | *Minghsin University of Science and Technology*

Hung-Ming Lin | *Minghsin University of Science and Technology*

ICBASS-0069

Cyber Hot Days: Understanding Consumer Behavior on Online Shopping Discount Event in Korea

Byoung-ho Jun | *Seoul Women's University*

ICBASS-0080

Exploring the Value Co-Creation Process in Multi-Stakeholder Partnerships

Shih-Chieh Fang | *National Cheng Kung University*

Chih-Hao Tsai | *National Cheng Kung University*

Chih-Fang Chiu | *National Cheng Kung University*

ICBASS-0171

Comparison of the Importance-Performance Analysis and SERVQUAL: A Case of Taiwan's Hot Spring Resort

Huey-Hong Hsieh | *Taiwan Shoufu University*

Chia-Ming Chang | *National Chiayi University*

Chao-Tsung Hsiao | *Taiwan Shoufu University*

ICBASS-0052

Using Miryoku Engineering to Explore the Attractive Attributes of Jeans

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

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

Thomas Blair Chiang | *National Taipei University of Education*

ICBASS-0075

Horticultural Activities: Their Benefit on Women Who Have Had a Stillbirth

Ying-Fen Tseng | *Chung Hwa University of Medical Technology*

Yueh-Tzu Hsieh | *Chung Hwa University of Medical Technology*

Chi-Pin Yuan | *Ditmanson Medical Foundation Chiayi Christian Hospital*

Yi-Han Wang | *Chung Hwa University of Medical Technology*

ICBASS-0104

When Custody Encounters Family Violence: Factors Influencing Child Custody Decisions

April Chiung-Tao Shen | *National Taiwan University*

ICBASS-0180

A Study on the Impacts of Environmental Transfer toward the Elderly

Shih-Yung Liu | *Chung Yuan Christian University*

Jinny Chuang | *Chung Yuan Christian University*

Yi-Ching Liu | *Tungnan University*

Tsann-Chung Wu | *Chung Yuan Christian University*

ICBASS-0072

Longitudinal Associations between Income Position and Self-Perceived Well-Being in a National Sample of Older People in Taiwan

Miaw-Chwen Lee | *National Chung Cheng University*

ICBASS-0161

Exploring the User Interface to the Analysis of Nursing Information System Usability: Obedience to Authority Reaction

Jinsheng Roan | *National Chung Cheng University*

Chihung Lin | *Chang Gung Memorial Hospital*

Yu-Han Cheng | *University of Kang Ning*

Tzupingc Dai | *University of Kang Ning*

ICBASS-0178

Medication Intentions for the Elderly

Yi-Ling Lo | *Fo Guang University*

Hsin-I Cheng | *National Yunlin University of Science and Technology*

Chang-Franw Lee | *National Yunlin University of Science and Technology*

ICBASS-0182

A Study of Basic Design Course of Interior Design Department Based on Attributional Tendency Theory

Yi-Ching Liu | *Tungnan University*

Jinny Chuang | *Chung Yuan Christian University*

ICBASS-0055

On the Classification and Grading of Taiwanese Traditional Technical Craftsmen

Peichi Su | *Southern Taiwan University of Science and Technology*

ICBASS-0103

An Investigation of Chinese Cultural Relations in Korean Terminology

Euijin Kim | *The Catholic University of Korea*

ICBASS-0172

Risk Communication and Public Participation in Food Safety—Exploring Consensus between Experts and Lay People

Yichen Wu | *Catholic Fu-Jen University*

Ying-Wei Wu | *National Kaohsiung University of Hospitality and Tourism*

ICBASS-0166

The Study of Spacial Meaning by New Type Starbucks Neighborhood and Coffee

Tsann-Chung Wu | *Chung Yuan Christian University*

Yi-Ching Liu | *Tungnan University*

Shih-Yung Liu | *Chung Yuan Christian University*

ACEAIT-0046

Optimal Individual and Group Preventive Maintenance Policies for a Two-Device System with a Threshold Value on Age

Kai Jye Chia | *National Taiwan University of Science and Technology*

Chao Wang | *Providence University*

Wen Liang Chang | *Cardinal Tien Junior College of Healthcare and Management*

Poster Sessions (2)

Computer and Information Sciences / Electrical and Electronic

Engineering / Fundamental and Applied Sciences

Wednesday, March 28, 2018

13:00-13:50

Room AV

ACEAIT-0006

High Degree Coefficients of Spherical Harmonics Expansions and Image Reconstruction

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

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

ACEAIT-0007

Improved High-Order Zernike Moments for Shape Discrimination

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

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

ACEAIT-0091

Projection of Risk Rate of False Personation by using USB-HID Identifications

Hyo-Joong Suh | *The Catholic University of Korea*

ACEAIT-0113

A Personalized Approach for Recognizing Music Emotion on Mobile Devices

Chia-Chun Wu | *Fu Jen Catholic University*

Jia-Lien Hsu | *Fu Jen Catholic University*

ACEAIT-0153

The Optimal Tourist Traveling Planning - Based on Android Platform

Her-Shing Wang | *National Taipei University of Technology*

Wei-Yin Tsai | *National Taipei University of Technology*

ACEAIT-0174

Human Action Recognition Using the Kalman Filter

Zong-Yi Lin | *Tokushima University*

Steven Karungaru | *Tokushima University*

Terada Kenji | *Tokushima University*

Shin-Pu Fang | *Southern Taiwan University of Science and Technology*

ACEAIT-0190

Use Aesthetic Measure to Analyze the Consumer Preference Model of Product Forms

Shih-Wen Hsiao | *National Cheng Kung University*

Zhang-Chen Tian | *National Cheng Kung University*

ACEAIT-0017

Design of Phasor Estimator Based on Interval Halving Method for Synchronization of Distributed Energy and Power System

Cheng-I Chen | *National Central University*

Yeong-Chin Chen | *Asia University*

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

ACEAIT-0029

Quint-Band Microstrip Bandpass Filter Using Multi-Mode Resonator and Stepped-Impedance Resonators

Tzu-Yang Ting | *National Central University*

Wen-Hua Tu | *National Central University*

ACEAIT-0045

Optimal Placement and Sizing of Distributed Generations in Radial Distribution Network by Using Genetic Algorithm

Sovann Ang | *Suranaree University of Technology*

Uthen Leeton | *Suranaree University of Technology*

Thanatchai Kulworawanichpong | *Suranaree University of Technology*

ACEAIT-0050

Efficient Pilot Scheduling Using Ant Colony Optimization for Massive Multiuser MIMO Systems

Jung-Chieh Chen | *National Kaohsiung Normal University*

Yu-Chieh Chang | *National Kaohsiung Normal University*

Kai-Hsiang Chen | *National Kaohsiung Normal University*

Hsuan-Yung Wang | *National Kaohsiung Normal University*

Yuh-Fung Huang | *National Kaohsiung Normal University*

ACEAIT-0053

Application and Circuit Design of the Same-Phase Power Supply Scheme in Electrical Power Distribution Systems

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

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

Tai-Jou Chen | *T.Y.Lin Taiwan Consulting Engineers, Inc.*

ACEAIT-0095

Fabrication of Aluminium Oxide/Silicon MOS Capacitor by Low Temperature Chemical Solution Deposition

Chih-Feng Yen | *National Kaohsiung Marine University*

Lyu-Wei Liao | *National Kaohsiung Marine University*

Rui-Jun Hong | *National Kaohsiung Marine University*

ACEAIT-0104

Optimal Second-Order Kalman Filter for Pulse Radar Tracking Using Acceleration Information

Kenshi Saho | *Toyama Prefectural University*

ACEAIT-0122

New Estimation Method for Daily Performance Based on Ambient Sensing Technology

Koichi Kurita | *Kindai University*

ACEAIT-0123

The Health Estimator for LFP Battery Using the Fuzzy Neural Network

Wen-Yeau Chang | *St. John's University*

ACEAIT-0183

Study the Random Telegraph Noise on P-Channel FinFET Devices

Yu-Lin Chen | *National University of Kaohsiung*

Chih-Cheng Hsu | *National University of Kaohsiung*

Chen-Kai Yang | *National University of Kaohsiung*

Chiao-Feng Chung | *National University of Kaohsiung*

WenQi Zhang | *National University of Kaohsiung*

Yi-Lin Yang | *Nation Kaohsiung Normal University*

Wen-Kuan Yeh | *National Nano Device Laboratory*

Poster Sessions (3)

Life Science

Wednesday, March 28, 2018

14:00-14:50

Room AV

APLSBE-0003

Development of DNA Marker Detection of Rumen Fluke Larvae (Paramphistomatidae) in Natural Freshwater by Using Real Time PCR

Arin Ngamniyom | *Srinakharinwirot University*

Thayat Sriyapai | *Srinakharinwirot University*

APLSBE-0004

Effect of Retrotransposons Express on Spermatogenesis in Azoospermia Patients

Chung-Hao Lu | *Mackay Memorial Hospital*

APLSBE-0006

Anti-MRSA (Methicillin-Resistant *Staphylococcus Aureus*) Peptides from Protein Hydrolysate of Vegetables

Nuanchawee Wetprasit | *Ramkhamhaeng University*

Janthima Jaresitthikunchai | *National Science and Technology Development Agency*

Narumon Phaonakrop | *National Science and Technology Development Agency*

Sittiruk Roytrakul | *National Science and Technology Development Agency*

APLSBE-0007

Dengue Virus Nonstructural Protein 1 Induces Platelet Activation

Trai Ming Yeh | *National Cheng Kung University*

APLSBE-0008

Id1 and Sonic Hedgehog Mediate Cell Cycle Reentry and Apoptosis Induced by Amyloid Beta-Peptide in Primary Cortical Neurons

Ding-I Yang | *National Yang-Ming University*

Chien-Hui Chen | *National Yang-Ming University*

Shih-Hsin Chang | *National Yang-Ming University*

Chao-Tzu Huang | *National Yang-Ming University*

APLSBE-0010

CD133/RalA/PAR6/The Exocyst Complex Upregulates Tumor Exosome Integrins to Determine Organotropic Metastasis

Yi-Wen Chang | *National Tsing Hua University*

Wei-Hsin Lin | *National Taiwan University Hospital Hsin-Chu Branch*

Jia-Lin Lee | *National Tsing Hua University*

APLSBE-0017

Role of Sfp1 in *Candida Albicans* Resistance to Fluconazole

Ting-Ling Ke | *National Tsing Hua University*

Chung-Yu Lan | *National Tsing Hua University*

APLSBE-0021

Protein Hydrolysate Production and Amino Acid Composition from Seed Kernel of Sacha Inchi

Apasiri Sophotong | *Phranakhon Si Ayutthaya Rajabhat University*

Chanthakan Nuchasuk | *Phranakhon Si Ayutthaya Rajabhat University*

APLSBE-0027

Generation of Recombinant Infectious Bursal Disease Virus and Purification with Immobilized Metal Ion Affinity Chromatography

Su-Yuan Lai | *Central Taiwan University of Science and Technology*

Min-Ying Wang | *National Chung Hsing University*

Sheng-Tse Liu | *National Chung Hsing University*

Kuan-Yin Cho | *National Chung Hsing University*

APLSBE-0041

GM Maize Detection Using Multiplex PCR

Maliwan Nakkuntod | *Naresuan University*

Nilawan Duaysan | *Naresuan University*

Surapa Nutthapornnitchakul | *Naresuan University*

APLSBE-0048

Mitogenic Effect of Endothelin-1 on 3T3-L1 Preadipocytes Depends on the ERK, c-Jun, and STAT-3 Pathways

An-Ci Siao | *National Central University*

Hui-Chen Ku | *Academia Sinica*

Yi-Wei Tsuei | *Taoyuan Armed Forces General Hospital*

Yao-Ming Huang | *Taoyuan Armed Forces General Hospital*

Yow-Chii Kuo | *Landseed General Hospital*

Yung-Hsi Kao | *National Central University*

APLSBE-0049

Examination of Applicability of Southern Chinese Reference Data Set of Dental Age Assessment in Thailand

Hai Ming Wong | *The University of Hong Kong*

APLSBE-0051

The Role of Exosomes in the Pathology of High Fat Diet Induced Increase in Susceptibility of Cerebral Ischemia

Shin-Wei Huang | *Taipei Medical University*

Chih-Hao Yang | *Taipei Medical University*

APLSBE-0052

Anti-Inflammatory Property of a New Polysaccharide from *Cordyceps* Mycelia Extract on LPS-Activated Primary Peritoneal Macrophages

Chien-Hung Hung | *Taipei Medical University*

Chi-Li Chung | *Taipei Medical University*

APLSBE-0055

The Role of Adult Neurogenesis in the Etiology of Changes in Eating Behaviors in a Rodent Model of Schizophrenia

Yu Ning Wang | *Taipei Medical University*

Chih-Hao Yang | *Taipei Medical University*

APLSBE-0056

Redox Modulation of Protein Phosphatases by Protein Carbonylation/De-Carbonylation Process in Vascular Smooth Muscle Cells

Chieh-Min Chen | *Taipei Medical University*

Cheng-Ying Hsieh | *Taipei Medical University*

APLSBE-0057

Platonin, a Cyanine Photosensitizing Dye, Exhibits Anti-Inflammatory Property in ox-LDL-Stimulated Mouse Vascular Smooth Muscle Cells

Chih-Wei Chiu | *Taipei Medical University*

Cheng-Ying Hsieh | *Taipei Medical University*

APLSBE-0060

Cinchonidine Exerts Cell-Protective Property on Uremic Toxin-Treated Human Umbilical Vein Endothelial Cells via the Inhibition of OAT-3 Transporter

Ruei-Dun Teng | *Taipei Medical University*

Yu-Chen Hsu | *Taipei Medical University*

Cheng-Ying Hsieh | *Taipei Medical University*

APLSBE-0062

Investigating the Properties of Bacteria in Singaporean Water Sources for Environmental Bio-Remediation

Arjun Vyas | *Newcastle University*

Mechanical Engineering

Wednesday, March 28, 2018

15:00-15:50

Room AV

ACEAIT-0024

Vibration Analysis of Multi-Span Beams under a Moving Force Using SEM

Usik Lee | *Inha University*

Taehyun Kim | *Inha University*

ACEAIT-0069

Multi-Physics Computation of Solid Melting with External Wall Boiling

Hyuk-Jin Song | *Dongguk University*

Jong Woon Park | *Dongguk University*

Sunmi Kwon | *Dongguk University*

ACEAIT-0076

Turbulent Heat Transfer and Flow Characteristics of Hot Flow behind the Backstep with Wall Mass Injection

Yue-Tzu Yang | *National Cheng Kung University*

Kuo-Teng Tsai | *National Cheng Kung University*

ACEAIT-0077

Numerical Study of Natural Convection Heat Transfer for Annular Elliptical Finned Tube Heat Exchangers in a Chimney

Han-Taw Chen | *National Cheng Kung University*

Ping-Chou Chen | *National Cheng Kung University*

Jui-Sheng Tsao | *National Cheng Kung University*

Yi-Lun Hsieh | *National Cheng Kung University*

ACEAIT-0101

Analytical Solutions of Differential Approximation for Radiative Heat Transfer in a Planar Refractive Medium with Fresnel Boundaries

Chih-Yang Wu | *National Cheng Kung University*

Dao-Chi Hong | *National Cheng Kung University*

ACEAIT-0108

Wave Propagation in the Periodic Tetrachiral Honeycomb Structure with Locally Resonator

Pei-Lun Wang | *National Cheng Kung University*

Pei-Ju Guo | *National Cheng Kung University*

Wei-Lun Lin | *National Cheng Kung University*

Lien-Wen Chen | *National Cheng Kung University*

ACEAIT-0133

Dispersion of Elastic Wave Propagation in Tunable Auxetic Star-Shaped Honeycombs

Ting-Yang Lee | *National Cheng Kung University*

Wei-Di Chou | *National Cheng Kung University*

Lien-Wen Chen | *National Cheng Kung University*

ACEAIT-0141

Optimized Design of a New Spanner

Y.S. Jhang | *National Kaohsiung University of Applied Sciences*

Ming-Che Lin | *National Kaohsiung University of Applied Sciences*

ACEAIT-0155

Experiment and Analysis of Abrasive Removal Depth of Silicon Wafer Using Cross-Groove Pattern Polishing Pad for Chemical Mechanical Polishing with Different Volume Concentrations

Zone-Ching Lin | *National Taiwan University of Science and Technology*

Po-Yen Chen | *National Taiwan University of Science and Technology*

Xin-Ren Fang | *National Taiwan University of Science and Technology*

ACEAIT-0156

Using Taguchi Method to Determine the Optimal Parameters for Rail Drilling Process

Chun-Lang Chang | *National Formosa University*

Ruei-Hong Liao | *National Formosa University*

ACEAIT-0160

Optimal Design of Insert Geometry Considering Cutting Forces

Sen-Yung Lee | *National Cheng Kung University*

Li-Kuo Chou | *National Cheng Kung University*

Chao-Kuang Chen | *National Cheng Kung University*

ACEAIT-0165

Optimal Design of Insert Geometry Considering Cutting Forces

Ruo-Ning Lee | *National Cheng Kung University*

Jiunn-Jyh Wang | *National Cheng Kung University*

ACEAIT-0166

Living Tissue One-Dimensional Nonlinear Heat Transfer Problems

Cha`o-Kuang Chen | *National Cheng Kung University*

Jun-Yi Liu | *National Cheng Kung University*

Kuei-Hao Chang | *National Cheng Kung University*

ACEAIT-0179

Development of Novel 2-D.o.F Electromagnetic Actuator for 6-Legged Mobile Robot

Buhyun Shin | *Hanbat National University*

Hyunho Shim | *Hanbat National University*

YoungShik Kim | *Hanbat National University*

Material Science and Engineering / Biological Engineering /

Chemical Engineering

Wednesday, March 28, 2018 16:00-16:50 Room AV

ACEAIT-0036

Enhance Functionality of Titanium Dioxide Nanotube Arrays for Photocatalytic Degradation of Methylene Blue under Visible Light with Deposited Gold Nanoparticles

Areeya Aeimbhu | *Srinakharinwirot University*

Atipol Sawang-Arom | *Srinakharinwirot University*

ACEAIT-0064

Property and Methylene Blue Release Profiles of Multilayer Films Prepared from Gelatin and Chitosan

Ansaya Thonpho | *Maharakham University*

Yaowalak Srisuwan | *Maharakham University*

Prasong Srihanam | *Maharakham University*

ACEAIT-0066

Interfacial Reactions between Lead-Free Solders and Cu-xZn Alloys

William Yu | *National Taiwan University of Science and Technology*

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

Yu-Chun Li | *National Taiwan University of Science and Technology*

Pei-Yu Chen | *National Taiwan University of Science and Technology*

Guan-Da Chen | *National Taiwan University of Science and Technology*

Yee-Wen Yen | *National Taiwan University of Science and Technology*

ACEAIT-0074

Studies on the Physical Properties of Gold-Doped Titanium Dioxide Fibers Prepared by Electrospinning Technique

Onnapa Klaocheed | *Srinakharinwirot University*

Panitarn Wanakamol | *Srinakharinwirot University*

Areeya Aeimbhu | *Srinakharinwirot University*

ACEAIT-0085

Mechanical and Oxidation Property of Fe-2 wt%Ni Alloys

Dong Bok Lee | *SungKyunKwan University*

Soon Yong Park | *PIMKOREA*

ACEAIT-0093

Impact Deformation Behaviour of AZ80 Magnesium Alloy over a Wide Range of Temperatures

Woei-Shyan Lee | *National Cheng Kung University*

Cheng-Wen Chou | *National Cheng Kung University*

ACEAIT-0112

2-Methacryloyloxyethyl Phosphorylcholine Modified Strainless Steel for Antibacterial Implants

Hsin-Hsin Yu | *Chang Gung University*

Shingjiang Jessie Lue | *Chang Gung University*

ACEAIT-0146

Enhancing Oxygen Iron Conductivity of 8YSZ Electrolytes in SOFC by Doping with Fe₂O₃

Hsin-Yi Lai | *National Cheng Kung University*

Yen-Hsin Chan | *National Cheng Kung University*

ACEAIT-0150

Developing Automatic Denim Design Engraving and Grinding Machine

Chi-Wai Kan | *The Hong Kong Polytechnic University*

ACEAIT-0158

Material Property Analysis of Amorphous Metallic Thin Films as Copper Diffusion Barrier via Molecular Dynamics

Po-Hsien Sung | *National Cheng Kung University*

Tei-Chen Chen | *National Cheng Kung University*

ACEAIT-0044

Effect of Temperature on Enzyme Activity in Mixed Culture Koji

Yuji Moriguchi | *The University Kitakyushu*

Hiroshi Morita | *The University of Kitakyushu*

ACEAIT-0060

Effect of Ultrasound Assisted Extraction on the Physicochemical Properties of the Seed Hull Mucilage of *Citrus Grandis* Osbeck

Lih-Shiuh Lai | *National Chung Hsing University*

Jin-Feng Hsu | *National Chung Hsing University*

ACEAIT-0126

Effect of Genipin on Silk Fibroin/Chitosan Film Properties

Nuanchai Kotsaeng | *Kalasin University*

Prasong Srihanam | *Maharakham University*

Yaowalak Srisuwan | *Maharakham University*

APLSBE-0009

A Study of the Probabilistic Error Bound of Trapezoidal Rule for Engineering and Science

Bum Il Hong | *Kyung Hee University*

Gon Khang | *Kyung Hee University*

Intae Ryoo | *Kyung Hee University*

Sun-Jin Hwang | *Kyung Hee University*

APLSBE-0013

Biomechanical Investigation of the Fractured Patella Fixed with Various Cannulated Screws and Wire

Chih-Hsien Chen | *National Cheng Kung University*

Chih-Wei Chang | *National Cheng Kung University*

Yen-Nien Chen | *National Cheng Kung University*

Chih-Han Chang | *National Cheng Kung University*

Yao-Te Peng | *National Cheng Kung University*

APLSBE-0028

Polysaccharides Production Using a Semi-Continuous System

Ping-Ting Lin | *National Chung Hsing University*

Su-Yuan Lai | *Central Taiwan University of Science and Technology*

Min-Ying Wang | *National Chung Hsing University*

APLSBE-0043

Biomechanical Investigation of the Screw Configuration of Tibial Tubercle Osteotomy in Revision Total Knee Arthroplasty

Chih-Hsien Chen | *National Cheng Kung University*

Chih-Wei Chang | *National Cheng Kung University*

Yen-Nien Chen | *National Cheng Kung University*

Chih-Han Chang | *National Cheng Kung University*

Chi-Rung Chung | *Chi-Mei Medical Center*

Guan-Heng Jhong | *National Cheng Kung University*

APLSBE-0053

The Study of the Composite 3D Hydrogel with Electrical Stimulation Used in the Differentiation of Mesenchymal Stem Cells into Cardiomyocytes

Yung-Gi Chen | *I-Shou University*

Pei-Leun Kang | *Kaohsiung Veterans General Hospital*

Yu-Hsin Lin | *Kaohsiung Veterans General Hospital*

Xiu-Wei Zhou | *Kaohsiung Veterans General Hospital*

Shwu-Jen Chang | *I-Shou University*

APLSBE-0058

Potential Therapeutic Targets of Reactive Dicarbonyl Species-Associated Diabetes Exacerbating Pulmonary Fibrosis

Jie Heng Tsai | *Taipei Medical University*

Chi-Li Chung | *Taipei Medical University*

ACEAIT-0023

Synthesis and Properties of Smart Hydrogels Prepared from Dendritic Monomers Derived from Cystamine

Yu-Jung Chou | *Tatung University*

Wang-Xin Wu | *Tatung University*

Wen-Fu Lee | *Tatung University*

ACEAIT-0162

Electrochemical Property of Composites Prepared from Ni-Containing Metal-Organic Framework for Capacitor Electrodes

Seok Kim | *Pusan National University*

Jeonghyun Kim | *Pusan National University*

Jin Ho Bae | *Pusan National University*

ACEAIT-0180

Investigation of Sterol and Antioxidant Activity of Wild Grape Seed Fractionated Extracts

Wilaiwan Simchuer | *Maharakham University*

Prasong Srihanam | *Maharakham University*

Civil Engineering / Environmental Science

Wednesday, March 28, 2018

17:00-17:50

Room AV

ACEAIT-0057

Numerical Study of Saltwater Intrusion by Opening of Drainage Gate at Isahaya Polder

Yumi Mikami | *Iwate University Graduate School*

Kunihiko Hamagami | *Iwate University*

Kozue Yuge | *Saga University*

ACEAIT-0079

Manual of Ground Subsidence Risk Rating(GSR) for Practitioners during Pre-Excavation

Eugene Jang | *Daejeon University*

Myeong Hyeok Ihm | *Daejeon University*

ACEAIT-0080

Proposal of Ground Subsidence Risk Rating(GSR) to Predict Ground Subsidence during Pre-Excavation

Myeong Hyeok Ihm | *Daejeon University*

ACEAIT-0086

Preliminary Findings of In-Situ Construction Conditions on the Properties of Road Base Soils Stabilized by Slag Cement

Deng-Fong Lin | *I-Shou University*

Tie-Shyong P. Lin | *I-Shou University*

Huan-Lin Luo | *I-Shou University*

Qi-Jun Lin | *I-Shou University*

Yu-Kai Wang | *I-Shou University*

ACEAIT-0118

Displacement Analyses of a Sliding Case Along Mountain Road

Sung-Chi Hsu | *Chaoyang University of Technology*

Ya Suan Huang | *Chaoyang University of Technology*

Tai Seong Quah | *Chaoyang University of Technology*

ACEAIT-0198

A Study of Thailand's Natural Sand Which Properties Similar to Ottawa Sand

Thitinun Pongnam | *North Eastern University*

ACEAIT-0199

Cost Estimation of Residential Buildings by Using 3D Sketchup Program Compared with Detailed Cost Estimating Techniques

Chaichan Yuwanasiri | *North Eastern University*

ACEAIT-0201

A Study of Waterproofing Method by Using Natural Rubber Coating

Worawit Phojan | *North Eastern University*

ACEAIT-0202

Water Resources Management for Agriculture

Worawit Phojan | *North Eastern University*

Pattaraphon Na Nongkhai | *North Eastern University*

ACEAIT-0016

Typhoon Long-Distance Total Rainfall Forecast Considering ENSO Effects in the Subtropical Zone

Chih-Chiang Wei | *National Taiwan Ocean University*

ACEAIT-0027

Solar Photocatalysis of 4-Chlorophenol Wastewater using Partial Shell-Core Ag/P3HT@TiO₂ Nanocatalysts

Wen-Shiuh Kuo | *National United University*

Pei-Shan Chiu | *National United University*

ACEAIT-0040

Utilization of Humidity-Conditioning Mesoporous Molecular Sieve Synthesized from Thin-Film-Transistor Liquid-Crystal-Display Waste Glass

Kae-Long Lin | *National I-Lan University*

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

Yan-Yu Lin | *National I-Lan University*

Chiao-Ying Chen | *National I-Lan University*

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

ACEAIT-0070

Eulerian Two-Phase Flow Model for Particle Removal in Venturi Scrubbers

Ji-Su Kim | *Dongguk University*

Jong Woon Park | *Dongguk university*

Minkyung Kim | *Dongguk University*

ACEAIT-0205

**Bidirectional Gate Driver Circuit with High Driving Capability for High-resolution
Liquid-Crystal Displays**

Po-Cheng Lai | *National Cheng Kung University*

Ming-Xun Wang | *National Cheng Kung University*

Chih-Lung Lin | *National Cheng Kung University*

