

Conference Program

June 27-29, 2018

Okinawa, Japan

ISCEAS

International Scientific Conference on
Engineering and Applied Sciences

ISESS

International Symposium on Education and
Social Sciences

BREFM

International Conference on Business,
Economics, Finance and Management

ISCEAS

International Scientific Conference on Engineering and Applied Sciences

ISBN 978-986-89844-9-3

ISESS

International Symposium on Education and Social Sciences

ISBN 978-986-5654-45-0

BREFM

International Conference on Business, Economics, Finance and Management

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Welcome Message



Local Host

Dr. Hiroshi Uechi

Faculty of Commerce
Osaka Gakuin University

Dear delegates,

It is my great pleasure to welcome you to the joint conference of International Scientific Conference on Engineering and Applied Sciences, International Symposium on Education and Social Sciences and International Conference on Business, Economics, Finance and Management in Japan, which promotes exchanges of information, communications and collaborations among researchers worldwide. The 21st century is the age of atomic and molecular sciences, and the age of exploration to Mars and possibly to other planets using spacecraft technology. We gradually come to understand the earth as the unique spacecraft in the universe, and we need collaborations not only from scientists but also people with all expertise in order to resolve problems and sustain our societies and ecological systems, energy resources, etc.. The international conferences such as Higher Education Forum would help mutual understandings and play more important and valuable roles in due course. Above all, we would like to welcome all of you to the joint conference of ISCEAS, ISESS and BREFM and also hope that every participant will enjoy cultural explorations in Japan.

Sincerely,
Hiroshi Uechi

General Information for Participants

■ Registration

The registration desk will be situated on the **1st Floor** in **Building B** at **Okinawa Convention Center** during the following time:

15:00-17:00 Wednesday, June 27, 2018

08:15-16:00 Thursday, June 28, 2018

08:15-14:00 Friday, June 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.



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 after their presentations or 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*160cm



<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)

International Committees

International Committee of Natural Sciences

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International Committees

International Committee of Social Sciences

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Wei-Cheng Mau

Yong-Ho Kim

Yong-Taek Rhim

Wichita State University

Pukyong National University

Namseoul University

USA

South Korea

South Korea

Conference Venue Information

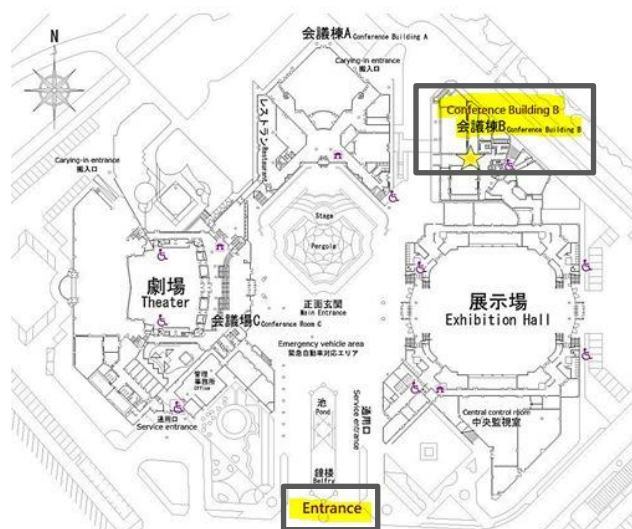
Okinawa Convention Center

4-3-1 Mashiki, Ginowan City Okinawa 901-2224, Japan

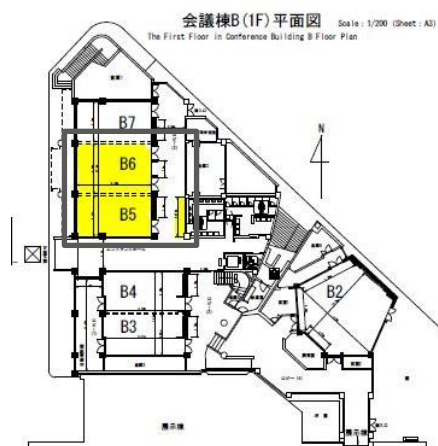
TEL: + 81(0) 98-898-3000

Conference Building B

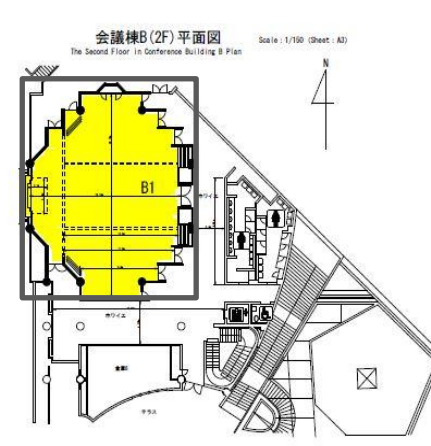
The conference will be held at Conference Building B in Okinawa Convention Center



The 1st Floor Plan



The 2nd Floor Plan



Registration: Pre-Function Area, 1F

Oral Session: Room B5 and B6, 1F

Poster Session: Room B5, 1F

Tea Break & Networking: Pre-Function Area, 1F

Lunch: Room B1, 2F

Transportation

- ◆ From Naha Airport

A. Taxi

It takes approximately 40 minutes to Okinawa Convention Center (14 kilometer) and costs average ¥3,500.

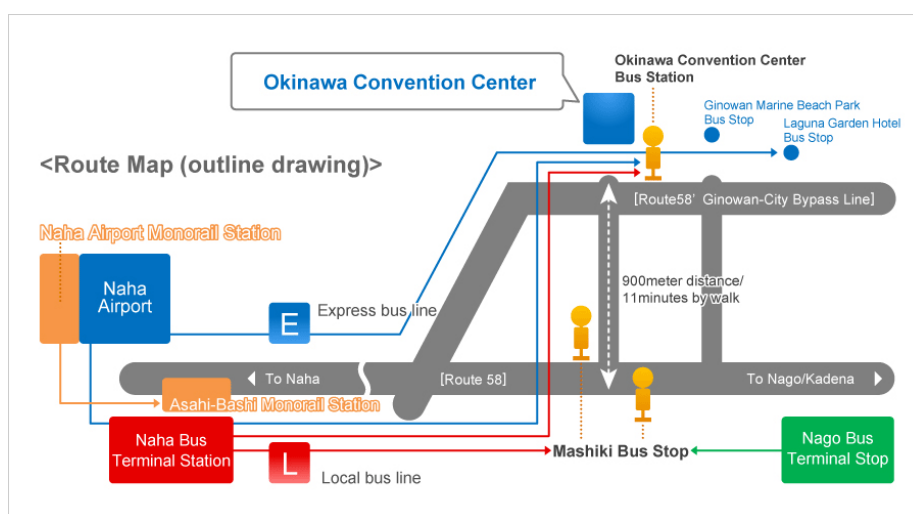
*The taxi rate and the travel time may be different depends on the traffic.

B. Bus

Take route number 26 or 99 at bus station no.3 from Naha airport bus stop to Okinawa Convention Center bus stop.

C. Airport Limousine Bus

1. Purchase your ticket at Naha airport international/ domestic terminal arrival lobby.
2. Take limousine bus to Laguna Garden Hotel bus stop (*Additional note: the limousine liner does not stop at the convention center. Please get off at Laguna Garden Hotel bus stop)
3. From Laguna Garden Hotel bus stop, turn right onto Ginowan By-pass and take the access path to Okinawa Convention Center. (It takes 7-10 minutes.)



- ◆ From Naha Bus Terminal Station

A. Bus

Take route number 26, 32, 43 or 55 to Okinawa Convention Center.

- ◆ From Asahibashi Station

A. Bus

1. Take the path to the station ticket gate and exit from exit 2.
2. Turn right and take the pedestrian overpass.
3. Take the elevator down and walk straight to Asahibashi Eki Mae bus station.
4. Take Naha airport limousine bus from Asahibashi Eki Mae bus station to Laguna Garden Hotel bus station.

5. From Laguna Garden Hotel bus stop, turn right onto Ginowan By-pass and take the access path to Okinawa Convention Center. (It takes about 7-10 minutes.)

Parking Information

The on-site free vehicle parking of the center is available, however, when the free parking space are fully occupied, please go to the toll parking space close to the convention center.

Conference Schedule

Wednesday June 27, 2018 Building B		
Time	Schedule	Venue
15:00-17:00	Pre-Registration	Pre-Function Area, 1F

Thursday, June 28, 2018 Building B		
Oral Session		
Time	Schedule	Venue
08:15-16:00	Registration	Pre-Function Area, 1F
08:45-10:15	Fundamental and Applied Sciences(1)	Room B5, 1F
	Business & Management(1)/ Finance(1)	Room B6, 1F
10:15-10:30	Tea Break & Networking	Pre-Function Area, 1F
10:30-12:00	Social Sciences Keynote Speech (1) Dr. Kim Sangho <i>Topic: Dynamic Adjustment in the Japanese Manufacturing Industry</i> Social Sciences Keynote Speech (2) Prof. Christiane Prange <i>Topic: Industry 4.0 and Companies' Agile Transformation Challenges</i>	Room B5, 1F
	Natural Sciences Keynote Speech (1) Ms. Surely Annie Wallace <i>Topic: Prebiotic Potential of Okinawan Sweet Potato with Lactobacillus and Bifidobacteria Probiotic Species</i> Natural Sciences Keynote Speech (2) Dr. Sergei Gorlatch <i>Topic: High-Level Development of Real-Time Distributed Applications</i> Natural Sciences Keynote Speech (3) Dr. Kwun Nam Hui <i>Topic: Hybrid Materials for High-Performance Flexible Supercapacitors</i>	Room B6, 1F
12:00-13:00	Lunch Time	Room B1, 2F

**Thursday, June 28, 2018
Building B**

Oral Session

Time	Schedule	Venue
13:00-14:30	Education(1)	Room B6, 1F
14:30-14:45	Tea Break & Networking	Pre-Function Area, 1F
14:45-16:15	Business & Management(2)/ Economics(1)/ Finance(2)	Room B6, 1F
16:15-16:30	Tea Break & Networking	Pre-Function Area, 1F
16:30-18:00	Education(2)	Room B6, 1F

**Thursday, June 28, 2018
Building B**

Poster Session

Time	Schedule	Venue
14:00-14:50	Poster Sessions (1) Computer and Information Sciences/ Electrical and Electronic Engineering	Room B5, 1F
15:00-15:50	Poster Sessions (2) Fundamental and Applied Sciences/ Material Science and Engineering/ Mechanical Engineering	Room B5, 1F
16:00-16:50	Poster Sessions (3) Education/ Psychology/ Economics/ Communication/ Finance/ Society	Room B5, 1F
17:00-17:50	Poster Sessions (4) Biological Engineering/Chemical Engineering/ Civil Engineering/ Environmental Science	Room B5, 1F

**Friday, June 29, 2018
Building B**

Oral Session

Time	Schedule	Venue
08:15-14:00	Registration	Pre-Function Area, 1F
08:45-10:15	Fundamental and Applied Sciences(2)	Room B5, 1F
	Education(3)/ Society	Room B6, 1F
10:15-10:30	Tea Break & Networking	Pre-Function Area, 1F
10:30-12:00	Mechanical Engineering	Room B5, 1F
	Education(4)/ Culture	Room B6, 1F
12:00-13:00	Lunch Time	Room B1, 2F
13:00-14:30	Civil Engineering/ Electrical and Electronic Engineering	Room B5, 1F
	Education(5)/ Psychology	Room B6, 1F
14:30-14:45	Tea Break & Networking	Pre-Function Area, 1F
14:45-16:45	Chemical Engineering/ Material Science and Engineering/ Computer and Information Sciences	Room B5, 1F
	Business & Management(3)/ Economics(2)/ Finance(3)	Room B6, 1F

Social Sciences Keynote Speech (1)

Room B5, 1F, Building B

10:30-12:00, Thursday, June 28, 2018

Topic:

Dynamic Adjustment in the Japanese Manufacturing Industry

Dr. Kim Sangho

Professor

Ritsumeikan Asia Pacific University



Abstract

The Japanese manufacturing industry endured a dramatic change since postwar era. The manufacturing industry moved away from a huge and energy-intensive to lean and energy-saving industries after oil shocks in the 1970s. The industry introduced automatic production process with massive capital investment to cope with eroding price competitiveness after the Plaza Accord in 1985. It experienced sharp downturn in capital investment to eliminate overcapacity after the burst of the bubble in the early 1990s, and undertook strong investments to utilize IT technology since the 2000s. Considering its dynamic transformation, resource adjustment problem in the Japanese manufacturing industry can be adequately investigated within a dynamic adjustment-cost framework. Under the background, this paper analyzes the dynamic production structure of the Japanese manufacturing industry by applying a dynamic dual approach in which labor and capital are regarded as quasi-fixed inputs. Empirical results of various theoretical and structural tests are provided, along with short- and long-run elasticities.

JEL Classification Codes: C61; D20; J23; L60

Keywords: adjustment costs, dynamic duality, production, Japanese manufacturing

Social Sciences Keynote Speech (2)

Room B5, 1F, Building B

10:30-12:00, Thursday, June 28, 2018

Topic:

Industry 4.0 and Companies' Agile Transformation

Prof. Christiane Prange

Professor

Tongji University



Abstract

The Industry 4.0 movement started in Germany, and many German leading industrial companies have initiated strong initiatives. Industry 4.0 combines production methods with state-of-the-art information and communications technology. Meanwhile, companies from across the world have engaged in digitizing the manufacturing sector, driven by disruptive technologies. With first-hand information from Germany, some of the prototypical models and approaches will be introduced to facilitate benchmarking across companies from different countries.

We look at how companies meet the challenges for transformation that facilitates the implementation of industry 4.0 and the profound impact on value generation. This involves major requirements for business model change as well as changes in the way work is being re-organized and customer interaction. Industry 4.0 makes the value chain more responsive, allowing industrial manufacturers to reach end customers more directly and tailor their business models accordingly. Products, as diverse as aircraft engines and software, are increasingly offered as services, often on a subscription basis.

As World Economic Forum founder Klaus Schwab put it in his recent book *The Fourth Industrial Revolution* (World Economic Forum, 2016), “Contrary to the previous industrial revolutions, this one is evolving at an exponential rather than linear pace.... It is not only changing the ‘what’ and the ‘how’ of doing things, but also ‘who’ we are.”

Building on the lessons learned in pilot studies, we map out in detail the capabilities a company needs in order to achieve its goals, and develop a blueprint for building (or acquiring) those capabilities. Technological enablers, such as a highly functional IT infrastructure with well-designed user interfaces can propel a company's business processes forward. This further includes strategies for recruiting and developing the right employees and attracting the right companies to work with. The success of a company with Industry 4.0 will depend on the skills and knowledge it can deploy which requires an agile transformation process both on the level of individuals and organizations. The concept of agile has recently been used as a buzzword in conjunction with industry 4.0. It originated from software programming but transcends into different parts of the organization where digitization changes both the speed and the flexibility of manufacturing. On the personal level, agile leadership facilitates and supports restructuring efforts that require a new mindset aligned with a digital culture: all employees will need to think and act as digital natives willing to learn new ways of operating and reinventing their capabilities permanently as Industry 4.0 is not an end in itself, but an ongoing process.

Natural Sciences Keynote Speech (1)

Room B6, 1F, Building B

10:30-12:00, Thursday, June 28, 2018

Topic:

Prebiotic Potential of Okinawan Sweet Potato with Lactobacillus and Bifidobacteria Probiotic Species

Ms. Surely Annie Wallace

Ph.D. candidate

University of Hawaii



Abstract

It is well documented that probiotic bacteria have beneficial effects on human health and digestion. By affecting change to the gut microbiota, probiotics may, for instance, reduce the pH of the gut lumen, or produce anti-inflammatory or anti-microbial metabolites. The study of Okinawan sweet potato as a potential functional food is culturally important. Okinawan sweet potato contains both soluble fiber and anthocyanins, which have known prebiotic qualities; this suggests that Okinawan sweet potato may potentially promote the growth of probiotic bacteria. The focus of this presentation involves the prebiotic potential of Okinawan sweet potato with probiotic bacteria species. Significant growth was observed, for instance, with *L. plantarum*, *L. rhamnosus* GG and *L. paracasei* at 24 and 48 hours of incubation (in vitro) with both Okinawan sweet potato flesh and skin, compared to the enteric control. Specific findings of this study will be discussed in detail.

Natural Sciences Keynote Speech (2)

Room B6, 1F, Building B

10:30-12:00, Thursday, June 28, 2018

Topic:

High-Level Development of Real-Time Distributed Applications

Dr. Sergei Gorlatch

Professor

University of Muenster



Abstract

We consider an emerging class of challenging networked multimedia applications called Real-Time Online Interactive Applications (ROIA). ROIA are networked applications connecting a potentially very high number of users who interact with the application and with each other in real time, i.e., a response to a user's action happens virtually immediately. Typical representatives of ROIA are multiplayer online computer games, advanced simulation-based e-learning and serious gaming. All these applications are characterized by high performance and QoS requirements, such as: short response times to user inputs (about 0.1-1.5 s); frequent state updates (up to 100 Hz); large and frequently changing numbers of users in a single application instance (up to tens of thousands simultaneous users). This talk will address two challenging aspects of future Internet-based ROIA applications: a) using Mobile Cloud Computing for allowing high application performance when a ROIA application is accessed from multiple mobile devices, and b) managing dynamic QoS requirements of ROIA applications by employing the emerging technology of Software-Defined Networking (SDN).

Natural Sciences Keynote Speech (3)

Room B6, 1F, Building B

10:30-12:00, Thursday, June 28, 2018

Topic:

Hybrid Materials for High-Performance Flexible Supercapacitors

Dr. Kwun Nam Hui

Associate Professor
University of Macau



Abstract

Supercapacitors are advantageous for their high power density ($1\text{--}10\text{ kWkg}^{-1}$), fast charge propagation dynamics within seconds, and long cycling life ($> 100,000$ cycles) compared with batteries. Carbon-based materials are generally used as electrode materials in electrical double-layer capacitors due to their large specific surface area, high electrical conductivity, and low cost. Although high power density and cycling stability have been demonstrated by carbon-based materials, the capacitance and energy density are low because the charges storage mechanism is based on charge separation at the electrode/electrolyte interface. In contrast to electrical double-layer capacitors, pseudocapacitors utilize transition metal oxides/hydroxides materials that store charges via fast and reversible Faradaic reactions at their surface, resulting in higher specific capacitance and energy density but low power density and cycle life. Currently, the biggest obstacle impeding the development of high-performance supercapacitors is the trade-offs between high energy and high power densities considering the origin of different charge storage mechanisms in electric double-layer capacitors and pseudocapacitors.

A rational design of electrode composed of hybrid materials has become an appealing strategy in circumventing the trade-offs between energy and power densities. In this talk, the speaker will present his recent work in the development and application of carbon/metal oxide-based hybrid electrode for high-performance supercapacitors. Then he will describe how to rationally design a hybrid electrode, consisting of carbon/graphene/metal oxide, to achieve desirable porous structure and huge ion-accessible surface area for rapid electronic and ionic pathways for flexible supercapacitor.

Fundamental and Applied Sciences (1)

Thursday, June 28, 2018 08:45-10:15 B5

Session Chair: *Prof. Hiroshi Uechi*

ISCEAS-0110

The Chiral Dirac-Hartree-Fock Approximation in Quantum Hadrodynamics with Vertex Corrections

Hiroshi Uechi | *Osaka Gakuin University*

ISCEAS-0070

Odor Constituents of Frankincense Used as Medicine and Incense

Yusuke Osuga | *Saitama University*

Toshio Hasegawa | *Saitama University*

Takashi Fujihara | *Saitama University*

Nikunj Harlalka | *Nishant Aromas*

Hideo Yamada | *Yamada-Matsu Co., Ltd*

ISCEAS-0072

Diversity in the Aroma Profiles of Thai Green Teas

Hitomi Sato | *Saitama University*

Toshio Hasegawa | *Saitama University*

Piyaporn Chieamchaitrakun | *Mae Fah Luang University*

Takashi Fujihara | *Saitama University*

ISCEAS-0073

Comparison of Aroma Profiles of Vetiver from Japan, India, and Indonesia

Kana Tanaka | *Saitama University*

Toshio Hasegawa | *Saitama University*

Takashi Fujihara | *Saitama University*

Eisuke Kuraya | *Okinawa College*

Mardi Santoso | *Institut Teknologi Sepuluh Nopember*

Hideo Yamada | *Yamada-Matsu Co., Ltd.*

ISCEAS-0104

Chemical Composition and Antioxidant Activity of *Elsholtzia Stachyodes*

Natthaphat Phakapatsapong | *Chiang Mai University*

Aroonchai Saiai | *Chiang Mai University*

Angkhana Inta | *Chiang Mai University*

Pornchai Junta | *Chiang Mai University*

Chanidapha Thiraphatchotiphum | *Chiang Mai University*

Jukreera Panyakaew | *Chiang Mai University*

Sunanta Wangkarn | *Chiang Mai University*

Pitchaya Mungkornasawakul | *Chiang Mai University*

Business & Management (1) / Finance (1)

Thursday, June 28, 2018 08:45-10:15 B6

Session Chair: *Prof. Ming Chen*

BREFM-0017

Uncertain About Your Travel Plan? Lock It and Decide Later: Dynamic Pricing with a Fare-Lock Option

Ming Chen | *California State University Long Beach*

BREFM-0021

Cash is King? Detection of the Global Market in a Financial Crisis

Chong-Chuo Chang | *National Chi Nan University*

BREFM-0024

Leader Sincerity and the Effect on Trustworthiness of a Leader

Yishuo Hung | *Southern Taiwan University of Science and Technology*

ISESS-0032

Pay-without-Performance, Institutional Monitoring, and Firm Value

Paul Moon Sub Choi | *Ewha Womans University*

ISESS-0047

Stock Market Development in Least Developed Country, But Fast Economic Growth: A Case Study of Lao PDR

Somvixay Chanthavong | *Kyoto University*

Education (1)

Thursday, June 28, 2018 13:00-14:30 B6

Session Chair: *Prof. Hoi Wing Chan*

ISESS-0027

Promoting Autonomous, Collaborative English Learning Practices and Fostering Greater Learner Autonomy among Secondary Students in Hong Kong

Hoi Wing Chan | *The Hong Kong Polytechnic University*

ISESS-0030

Effectiveness of Vocabulary Learning Using Game Based Applications

Mariko Matsubara | *Osaka Kyoiku University*

Haruyo Yoshida | *Osaka Kyoiku University*

ISESS-0033

Evaluating Students' Learning – A Study of Various Assessment Format

Wing Sze Biddy Yiu | *The Hong Kong Polytechnic University*

ISESS-0066

Difficulties and Solutions on Interpersonal Relations of Early Childhood Teachers

Hae Ik Hwang | *Pusan National University*

Hye Kyoung Chae | *Pusan National University*

Business & Management (2) / Economics (1) / Finance

(2)

Thursday, June 28, 2018 14:45-16:15 B6

Session Chair: *Prof. Jeong-Wan Doo*

ISESS-0029

The Influence of Need for Uniqueness and Self-Enhancement on Consumers' Evaluation of Exclusive Price Promotions

Jeong-Wan Doo | *Baekseok Culture University*

BREFM-0022

Can Basel III Liquidity Risk Measures Explain the Credit Risk of Taiwan Banks?

Chih-Yuan Yang | *National Taiwan Normal University*

Sheng-Jung Li | *Shu-Te University*

Chia-Chien Chang | *Kaohsiung University of Science and Technology*

BREFM-0034

Food Supply Strategies Considering Calorie Intake and Nutrition Balance

Choonsoo Lee | *Korea University*

Seung-Ryong Yang | *Korea University*

BREFM-0037

Does Domestic Agricultural Production Strengthen Food Security?

Seung-Ryong Yang | *Korea University*

Wonyong Kim | *National Food Safety Information Service*

Taehwa Kim | *Korea University*

BREFM-0038

Resolving Ambiguity in Stock Information by a Hierarchy Analysis Process under a Fuzzy Environment

Wichai Witayakiattilerd | *Thammasat University (Rangsit Center)*

Education (2)

Thursday, June 28, 2018 16:30-18:00 B6

Session Chair: *Prof. Hiroko Kashimoto*

ISESS-0036

Implementing Phonics to Undergraduate Students

Hiroko Kashimoto | *Osaka Kyoiku University*

Haruyo Yoshida | *Osaka Kyoiku University*

ISESS-0041

Environmental Education for Achieving Sustainable Development Goals: An Analysis of the Intended Primary Curriculum of Bangladesh.

Mohammed Rashel Uddin | *Hiroshima University*

Kinya Shimizu | *Hiroshima University*

ISESS-0050

An Understanding of Professors' Performance on Science-Engineering Classes in the Perspective of the CHAT

JaeYoung Han | *Chungbuk National University*

Nayoon Song | *Seoul National University*

Taehee Noh | *Seoul National University*

Fundamental and Applied Sciences (2)

Friday, June 29, 2018

08:45 -10:15 B5

Session Chair: *Prof. Chi-Yang Tsai*

ISCEAS-0139

Inventory Control Policies for a Two-Echelon Perishable Inventory System - A Simulation Study

Chi-Yang Tsai | *Yuan Ze University*

Tung-Wei Hsu | *Yuan Ze University*

ISCEAS-0093

Cloud Point Extraction and Ultrasonic Acid Digestion for Determination of Lead in Human Hair by Atomic Absorption Spectrophotometry

Jittrapun Soongsong | *Chiang Mai University*

Sukjit Kungwankunakorn | *Chiang Mai University*

ISCEAS-0106

The Genetic Variation of the Indigenous Rice Landraces in Western Thailand Based on the Partial *CatA* Gene

Prin Phunngam | *Muban Chombueng Rajabhat University*

ISCEAS-0145

Effect of Degumming Factors: Type and Concentration of Alkali Solutions, Time, and Temperature on Silk Fibers

Nichakorn Pathumrangsarn | *Muban Chombueng Rajabhat University*

ISCEAS-0119

A Fuzzy Sets for the Health in the Elderly Within a 3D Virtual Art Gallery

Cheng-Li Liu | *Vanung University*

Ruei-Lung Lai | *Vanung University*

Shiaw-Tsyr Uang | *Minghsin University of Science & Technology*

Education (3) / Society

Friday, June 29, 2018

08:45 -10:15 B6

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

ISESS-0011

Differential Effects of Training Adequacy and Self-Actualization on Work Motivation and Work Engagement of Unemployed Youth

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

ISESS-0034

Studying and Developing Body of Knowledge, Model, and Mechanism for Enhancement Discipline in Basic Education Level Schools of South Korea

Benj Kitikhun | *NakhonPhanom University*

ISESS-0042

Common Core State Standards and International Baccalaureate (IB) Curriculum: Embedding and Enacting Global Citizenship Education (GCE) in Secondary School History Classes

Brooke Bach-Tang Phan | *University of California, Los Angeles*

ISESS-0053

Voices of Children in Creativity Experience of Upper Primary Students

Karen Hor Kar Lin | *Singapore University of Social Sciences*

ISESS-0059

An Analysis of Relations between Evaluation for Happiness of Young Children among Mothers, Fathers, Teachers and Young Child Themselves

Reena Park | *Pusan National University*

Hea-Ik Hwang | *Pusan National University*

Hyun-Jeong Shin | *Pusan National University*

Mechanical Engineering

Friday, June 29, 2018

10:30-12:00

B5

Session Chair: *Prof. Hua-Wei Chi*

ISCEAS-0090

Rotor Disk Connection Design of a Flywheel Energy Storage System

Hua-Wei Chi | *Da-Yeh University*

Chi-Ting Hsieh | *Da-Yeh University*

ISCEAS-0091

Microwave NDT Imaging for Multiple Cracks in Metal based on Improved Canny Algorithm

Yan-Bin Li | *University of Electronic Science and Technology of China*

Ya-Ting Yu | *University of Electronic Science and Technology of China*

Cong Wang | *University of Electronic Science and Technology of China*

ISCEAS-0127

Improvement Design of Zirconia Dental Implant under Dynamic Loadings

Yung-Chang Cheng | *National Kaohsiung University of Science and Technology*

Yung-Chin Fang | *National Kaohsiung University of Science and Technology*

ISCEAS-0131

Experimental Research on Effect Factors of Camera Calibration for Computer Vision Measurement

Zhenwei Wang | *University of Electronic Science and Technology of China*

Renjie Xu | *University of Electronic Science and Technology of China*

Peng Cheng | *University of Electronic Science and Technology of China*

Shuangyin Liu | *University of Electronic Science and Technology of China*

ISCEAS-0153

Nanoimprint Lithography and Characterization of Hierarchical Micro/Nano Structures for Multi-Functionalities

Na Eun Yeo | *Pusan National University*

Won Kyoung Cho | *Pusan National University*

Myung Young Jeong | *Pusan National University*

Doo-In Kim | *Pusan National University*

Education (4) / Culture

Friday, June 29, 2018

10:30-12:00

B6

Session Chair: *Prof. Natalie Leitao*

ISESS-0010

This Tree is Prickly to Climb: Teaching Autonomy and Resilience in the Early Years

Natalie Leitao | *Sheridan College*

ISESS-0009

Study and Development of Knowledge Bases, Model and Discipline Reinforcement Mechanisms in Basic Education Schools in Vietnam

Sun Thongyot | *NakhonPhanom University*

Phac Dinh Van | *Hatinh University*

ISESS-0014

Early Determinants of Adult Learners Academic Performance

Sylvia Chong | *Singapore University of Social Sciences*

Adam Wong | *Singapore University of Social Sciences*

ISESS-0017

The Implementation of the New Senior Secondary School Curriculum Reform in Hong Kong: Teachers and School Leaders' Concerns

Kin-Sang Jacqueline Chan | *The Education University of Hong Kong*

ISESS-0026

Gentile or Not, "Let the Children Be Fed First": A Taiwanese Understanding of Mark 7:24-30

Hsueh-Ming Liao | *Chang Jung Christian University*

Civil Engineering / Electrical and Electronic Engineering

Friday, June 29, 2018

13:00-14:30

B5

Session Chair: *Prof. Eunyoung Cho*

ISCEAS-0115

Sub-Carrier Splitting and Combining Technique for Unambiguous BOC Signal Tracking in GNSS Receivers

Eunyoung Cho | *Sungkyunkwan University*

Keunhong Chae | *Sungkyunkwan University*

Seokho Yoon | *Sungkyunkwan University*

ISCEAS-0081

Parameter Analysis on Optimum Servo System of a UAV (Unmanned Aerial Vehicle)

Makishi Nakayama | *Osaka Sangyo University*

ISCEAS-0121

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

Yawgeng A. Chau | *Yuan Ze University*

ISCEAS-0165

Analyzing the Simulation of Damage Inducing Characteristics of Natural Hailstones

Mehmet Eren Uz | *Adnan Menderes University*

Halil Kirnak | *Adnan Menderes University*

Talha Bircan | *Anatolian School*

Yusuf Yaldiz | *Adnan Menderes University*

ISCEAS-0166

Positioning Algorithm for Feature Matching and Map Building

Jia-Ning Luo | *Ming Chuan University*

Ming-Hour Yang | *Chung Yuan Christian University*

Mu-En Wu | *National Taipei University of Technology*

Raylin Tso | *National Chengchi University*

Education (5) / Psychology

Friday, June 29, 2018

13:00-14:30

B6

Session Chair: *Prof. Khay Boon Tan*

ISESS-0037

Using Games in Teaching Economics

Khay Boon Tan | *Singapore Institute of Management Global Education*

ISESS-0054

Counseling Psychology for Majlis Ta'Lim Congregation in Improving the Ability to Survive in Conditions of Management the Economic Crisis

Elfi Mu'awanah | *IAIN Tulungagung*

ISESS-0056

Modelling Non-Independent Effect Sizes in Meta-Analysis

Mike W. L. Cheung | *National University of Singapore*

ISESS-0076

Socioeconomic Inequality in Higher Education: Implications of Taiwan's Preferential Admissions

Yu-Shien (Bess) Tzean | *National Chengchi University*

Don-Yun Chen | *National Chengchi University*

ISESS-0080

Eigo de Programming - MEXT 2020 Reforms: Integrating Programming and English Education

Mary Frances Agnello | *Akita International University*

Florent Domenach | *Akita International University*

Naoko Araki | *Akita International University*

**Chemical Engineering / Material Science and
Engineering / Computer and Information Sciences**

Friday, June 29, 2018 14:45-16:45 B5

Session Chair: *Prof. Huibin Yu*

ISCEAS-0117

**Zn²⁺-Loaded Cellulose Beads Stabilized by Chitosan and Prepared via
Freeze-Drying for Removing Human Testosterone in Plasma**

Huibin Yu | *Huazhong University of Science and Technology*

Lei Zhou | *Huazhong University of Science and Technology*

Shenqi Wang | *Huazhong University of Science and Technology*

ISCEAS-0133

**Characterization and SECM Investigation of Binary Platinum based
Electrocatalysts for Oxygen Reduction Reaction**

Che-Chi Wu | *Feng Chia University*

Yu-Ching Weng | *Feng Chia University*

ISCEAS-0134

**SECM Evaluation of Indium Cadmium Sulfur-Based Photocatalysts for Water
Splitting**

Kuan,Wen Chen | *Feng Chia University*

Yu,Ching Weng | *Feng Chia University*

ISCEAS-0158

First-Principles Study of Adsorption of Ag on Ag-In-Yb Quasicrystal Surface

Kazuki Nozawa | *Kagoshima University*

ISCEAS-0144

Speeding Up of View Factor Derivation Using Graphic Processing Unit

Seigo Sakai | *Yokohama National University*

Takeru Naito | *Yokohama National University*

ISCEAS-0146

Method of Reliability Modeling and Prediction for High-Speed Railway Passenger Transport Service System Equipment Based on Fault Data

Weijia Kong | *Tsinghua University*

Wei Dong | *Tsinghua University*

Xinya Sun | *Tsinghua University*

Yindong Ji | *Tsinghua University*

ISCEAS-0159

Applying Image Segmentation for Detecting Chromatic Aberration

Warawut Kesornsukhon | *King Mongkut's Institute of Technology North Bangkok*

Porawat Visutsak | *King Mongkut's Institute of Technology North Bangkok*

San Ratanasanya | *King Mongkut's Institute of Technology North Bangkok*

Business & Management (3) / Economics (2) / Finance

(3)

Friday, June 29, 2018

14:45-16:45

B6

Session Chair: *Prof. Mei Choi Chiu*

BREFM-0028

Time Consistent Mean-Variance Portfolio under Regime-Switching Cointegration

Mei Choi Chiu | *The Education University of Hong Kong*

Hoi Ying Wong | *The Chinese University of Hong Kong*

BREFM-0040

Supply Uncertainty and Its Impact on Vendor-Managed Inventory Strategies in a Supply Chain

Taesu Cheong | *Korea University*

Seung Ho Yoo | *Hanyang University*

BREFM-0042

Abenomics and the LDP: A Political Economic Assessment

Joel R. Campbell | *Troy University*

BREFM-0029

Simulation-Based Value-At-Risk for High-Dimensional Nonlinear Portfolios

Hoi Ying Wong | *The Chinese University of Hong Kong*

Tony Sit | *The Chinese University of Hong Kong*

Junyao Chen | *The Chinese University of Hong Kong*

Poster Sessions (1)

Computer and Information Sciences / Electrical and Electronic Engineering

Thursday, June 28, 2018 14:00-14:50 B5

ISCEAS-0071

Spontaneous Multi-Modal Dimensional Emotion Analysis with Multi-Task Learning and Hierarchical-Fusion Regression Model

Bo Sun | *Beijing Normal University*

Siming Cao | *Beijing Normal University*

Penghao Rao | *Beijing Normal University*

Bojie Rong | *Beijing Normal University*

Jun He | *Beijing Normal University*

Lejun Yu | *Beijing Normal University*

ISCEAS-0085

A Coaxial Mechanical Calibration Kit S-Parameters Model Based on ANN

Penghao Rao | *Beijing Normal University*

Ke Liu | *National Institute of Metrology*

Bin Yang | *Ministry of science and technology*

Jun He | *Beijing Normal University*

Bo Sun | *Beijing Normal University*

ISCEAS-0105

Sniff and Hack Vehicle CAN Bus Data

Narn-Yih Lee | *Southern Taiwan University of Science and Technology*

Bo-Ren Chen | *Southern Taiwan University of Science and Technology*

ISCEAS-0112

Performance Evaluation of M-Ary SS/HC-OFDM System with Short Spread Codes in Ultrasound Transmission

Hiroki Michiwaki | *Shinshu University*

Fumihito Sasamori | *Shinshu University*

Osamu Takyu | *Shinshu University*

Shiro Handa | *Shinshu University*

ISCEAS-0113

Performance Evaluation of M-Ary SS/HC-OFDM System with Short Spread Codes in Stereo FM Transmission

Sunao Narita | *Shinshu University*

Fumihito Sasamori | *Shinshu University*

Osamu Takyu | *Shinshu University*

Shiro Handa | *Shinshu University*

ISCEAS-0114

Performance Analysis of Bit Error Rate using Repetition Coded OFDM Systems in Nakagami- m Fading Environment

Takayuki Ogawa | *Shinshu University*

Fumihito Sasamori | *Shinshu University*

Osamu Takyu | *Shinshu University*

Siro Handa | *Shinshu University*

ISCEAS-0120

Construct the AR Technology to Enhance the Occupational Performance for the Intellectual Disability Students

Jen-Yang Chen | *Ming Chuan University*

Bo-Hong Nien | *Ming Chuan University*

Shih-Yu Huang | *Ming Chuan University*

Chaur-Heh Hsieh | *Ming Chuan University*

ISCEAS-0125

Proposal of a Card Operation-Based Programming Learning System with the Concept of Game Programming

Tomoya Iwamoto | *Hiroshima Institute of Technology*

Shimpei Matsumoto | *Hiroshima Institute of Technology*

Tomoko Kashima | *Kindai University*

ISCEAS-0130

Developing a Web-Based Programming Editor for Novice Learner

Masanori Oshita | *Hiroshima Institute of Technology*

Kohei Morita | *Hiroshima Institute of Technology*

Shimpei Matsumoto | *Hiroshima Institute of Technology*

ISCEAS-0135

Construction of a Virtual Campus Experience System with a L-Shaped Stereoscopic Display

Tomoko Tateyama | *Hiroshima Institute of Technology*

Nobuo Yamaguchi | *Ritsumeikan University*

Ryoma Fujii | *Ritsumeikan University*

Seiju Tsujinaga | *Ritsumeikan University*

Jiaqing Liu | *Ritsumeikan University*

Yen-Wei Chen | *Ritsumeikan University*

ISCEAS-0142

A Study on Programming Learning Method to Reduce Non-Essential Cognitive Load

Shoko Morinaga | *Hiroshima Institute of Technology*

Shimpei Matsumoto | *Hiroshima Institute of Technology*

Yusuke Hayashi | *Hiroshima University*

Tsukasa Hirashima | *Hiroshima University*

ISCEAS-0067

Fuzzy Guaranteed Cost Control of Unmanned Surface Vehicles

Gyeong-Hak Lee | *Hanbat National University*

Do Wan Kim | *Hanbat National University*

ISCEAS-0074

Design and Implementation of a Novel High Performance Hybrid and Frequency Tunable Ionizer

Sheng-Yuan Ou | *National Taipei University of Technology*

Chen Han Li | *National Taipei University of Technology*

Ke Cheng Chen | *National Taipei University of Technology*

ISCEAS-0128

Effects and Analysis of Inserted Resonator to Improve Efficiency Including Rectifying Circuit of Superconducting Wireless Power Transfer System for Electric Vehicle

Yoon Do Chung | *Suwon Science College*

Chang Young Lee | *Korea Railroad Institute*

Eun Young Park | *Korea Christian University*

ISCEAS-0136

Identifying the Illuminant of Images with Gamut Surface Gradient Method

Yu-Che Wen | *Yuan Ze University*

Senfar Wen | *Yuan Ze University*

Yu-Hsiung Lin | *Chung Hua University*

ISCEAS-0155

Development for Bypass Type Junction-Box to Improve DC Power System in Renewable Energy

Jong-Man Kim | *Jeonnam State University*

Seokhoon Hong | *TEF Company Limited*

Beobsung Song | *TEF Company Limited*

ISCEAS-0162

Low Phase Noise Dual-Band Oscillator Employing Switchable Bandpass Filter

Tzung-Han Du | *National Chung-Shan Institute of Science and Technology*

Wen-Hua Tu | *National Central University*

Poster Sessions (2)

Fundamental and Applied Sciences / Material Science and Engineering / Mechanical Engineering

Thursday, June 28, 2018 15:00-15:50 B5

ISCEAS-0080

Physicochemical and Antioxidant Properties of Bread Prepared with ‘Fuji’ Apple Juice

Young Kyung Kim | *Chungbuk National University*

Tae-Hoon Lee | *Chungbuk National University*

Woo-Hyun Park | *Chungbuk National University*

Jin-Sol Kim | *Chungbuk National University*

Jeong-Youn Yi | *Chungbuk National University*

Keum-II Jang | *Chungbuk National University*

ISCEAS-0084

Diffuse Reflectometry at 0.8 mm Source-to-Detector Separation for the Determination of Optical Properties of Superficial Turbid Samples

Sheng-Hao Tseng | *National Cheng-Kung University*

ISCEAS-0086

Quality and Antioxidant Properties of Buckwheat Noodle Added with Apple Pomace Powder

Keum-II Jang | *Chungbuk National University*

Jeong-Youn Yi | *Chungbuk National University*

Young-Kyung Kim | *Chungbuk National University*

Tae-Hoon Lee | *Chungbuk National University*

Woo-Hyun Park | *Chungbuk National University*

Jin-Sol Kim | *Chungbuk National University*

ISCEAS-0087

Effect of Sodium Reduction for Quality and Storage Properties of Bulgogi for Lunchbox in Korea

Tae-Hoon Lee | *Chungbuk National University*

Woo-Hyun Park | *Chungbuk National University*

Jin-Sol Kim | *Chungbuk National University*

Young-Kyung Kim | *Chungbuk National University*

Keum-Il Jang | *Chungbuk National University*

ISCEAS-0101

Analytical Method Development of Beta-Penyl Ethyl Amine Derivatives in Health Functional Foods by LC/PDA and LC/MS/MS

Eun Jung Chang | *Gyeongin Regional Office of Food and Drug Safety*

Eun Jeong Kim | *Gyeongin Regional Office of Food and Drug Safety*

Moo Song Lim | *Gyeongin Regional Office of Food and Drug Safety*

Hye Soon Kang | *Gyeongin Regional Office of Food and Drug Safety*

KiMi No | *Gyeongin Regional Office of Food and Drug Safety*

Yukyung Lee | *Gyeongin Regional Office of Food and Drug Safety*

Ji-Young Yang | *Gyeongin Regional Office of Food and Drug Safety*

Sunghye Park | *Gyeongin Regional Office of Food and Drug Safety*

Hyung Il Kim | *Gyeongin Regional Office of Food and Drug Safety*

ISCEAS-0107

Effect of Sodium Reduction for Quality and Storage Properties of Hamburger Patty with Salt Replacement

Jin-Sol Kim | *Chungbuk National University*

Tae-Hoon Lee | *Chungbuk National University*

Woo-Hyun Park | *Chungbuk National University*

Young-Kyung Kim | *Chungbuk National University*

Keum-Il Jang | *Chungbuk National University*

ISCEAS-0108

Quality and Storage Properties of Cutlet Sauce Prepared with Salt Replacement after Reducing Sodium Content

Woo-Hyun Park | *Chungbuk National University*

Tae-Hoon Lee | *Chungbuk National University*

Jin-Sol Kim | *Chungbuk National University*

Young-Kyung Kim | *Chungbuk National University*

Keum-Il Jang | *Chungbuk National University*

ISCEAS-0137

Sensory Evaluation and Storage Stability of Lactic Acid Probiotic Sweet Potato Beverage

Michael Wambua | *University of Tsukuba*

Mito Kokawa | *University of Tsukuba*

Yutaka Kitamura | *University of Tsukuba*

ISCEAS-0138

A Comparison of Intensity-Modulated SPR Biosensors

Chia-Pei Lin | *Chinese Culture University*

Li-Chen Su | *Chinese Culture University*

ISCEAS-0141

Preparation of Tungsten Oxide from Scheelite Ore from Samoeng District, Chiang Mai Province

Methiyanun Suepkham | *Chiang Mai University*

Sukjit Kungwankunakorn | *Chiang Mai University*

ISCEAS-0051

Free-Standing Colloidal Photonic Crystal Hydrogel Films with Visualized Structural Color using for Alcohol Sensors

Jia-Sian Li | *Feng Chia University*

Chun-Feng Lai | *Feng Chia University*

ISCEAS-0103

Fluorescence Sensing of Catecholamine using Up-Conversion Nanoparticles based on Metal Ion-Catechol Interaction

Jong Won Chung | *Pukyong National University*

Jin Young Park | *Pukyong National University*

Hyun Kyoung Yang | *Pukyong National University*

ISCEAS-0151

A Study of Nanoscale Morphology Effects on Electrical Conductivity of BaSnO₃ for Non-Metallic based Conductive Yarn

Yoo Lim Cha | *Gachon University*

Jong Dae Kim | *Hallym University*

Young Soo Yoon | *Gachon University*

Sun Hee Kim | *Incheon National University*

ISCEAS-0157

Enhanced Structural Stability of Nano-Sized LiAlO₂ Matrix in Molten Carbonate Fuel Cells

Un Ho Lee | *Gachon University*

Sung Pil Woo | *Yonsei University*

In Yea Kim | *Gachon University*

You Na Lee | *Gachon University*

Dae Yun Kim | *Gachon University*

Yoo Lim Cha | *Gachon University*

Young Soo Yoon | *Gachon University*

ISCEAS-0171

Preparation of Hydroxyapatite/BMP-2-Immobilized Poly-L-Lactic Acid for Orthopedic Applications

Dae Hyeok Yang | *The Catholic University of Korea*

Chun Ho Kim | *Korea Institute of Radiological and Medical Sciences*

Jae Kwang Kim | *The Catholic University of Korea*

Heung Jae Chun | *The Catholic University of Korea*

ISCEAS-0055

Aerodynamic Simulation of Antiarmor Missiles with Different Middle Wing Numbers

Chun-Chi Li | *National Defense University*

Yen-Chun Tsai | *National Defense University*

Chun-Ta Wu | *National Defense University*

Poster Sessions (3)

**Education / Psychology / Economics / Communication /
Finance / Society**

Thursday, June 28, 2018 16:00-16:50 B5

ISESS-0012

Strengthen Scientific Explanation Ability: Nurturing the Pre-Service Teachers to Design Innovative PO+E Teaching Plan and Teaching

Chow-Chin Lu | *National Taipei University of Education*

ISESS-0013

STEAM Used in Designing and Teaching the “Biology and Environment” Unit in the Elementary School

Chow-Chin Lu | *National Taipei University of Education*

Fen-Fang Chen | *National Taipei University of Education*

ISESS-0051

On Mathematical Education of Modeling in Taiwan

Chih-Ru Hsiao | *Soochow University*

ISESS-0062

Designing a Structured Online Discussion System to Enhance Students' Discussion Quality

Hsiu-Ling Chen | *National Taiwan University of Science and Technology*

Chiung-Yun Chang | *National Taiwan University of Science and Technology*

ISESS-0069

The Effects of Physical Self-Concept on Young Children's Happiness

Eun-Suk Na | *Seoil University*

ISESS-0073

The Trajectory of the Nursing Students' Core Competencies with Situated Teaching

Yu-Yuan Fang | *National of Taipei University Technology*

Chin-Ching Li | *Mackay Medical College*

ISESS-0007

Impact of Symptom and Social Support on Fertility Intention in Reproductive-Age Women with Breast Cancer

Sheng-Miauh Huang | *Mackay Medical College*

Ling-Ming Tseng | *Taipei Veterans General Hospital*

Jerry Cheng-Yen Lai | *Taitung Mackay Memorial Hospital*

Yi-Fang Tsai | *Taipei Veterans General Hospital*

Pei-Ju Lien | *Taipei Veterans General Hospital*

Ping-Ho Chen | *Taipei Medical University Hospital*

ISESS-0021

Exploring the Relation between Physical Activities and Postpartum Depression in Six Months after Giving Birth

Kuei Hui Chu | *Ching Kuo Institute of Management and Health*

Jiun-Jing Yang | *Fooyin University*

Chiu-Yen Chen | *National Yang-Ming University*

ISESS-0028

Incorporating the Inclusive L2 Self into Self-Related Motivations in a Japanese EFL Context

Maya Sugita McEown | *Waseda University*

Kristopher McEown | *Waseda University*

BREFM-0044

Research on the Relationship between Corporate Governance Structure and Performance of Listed Companies--A Case Study of Listed Companies in Northwest China

Jinxiang Li | *Ningxia University*

Huiping Zhang | *Ningxia University*

ISESS-0071

A Note on the Shapley Value for Multi-Choice Games

Wen-Lin Chiou | *Fu-Jen University*

Chih-Ru Hsiao | *Soochow University*

ISESS-0079

A Study on the Communication of Authorial Stance in Chinese Academic Writing

Chia-Ling Hsieh | *National Taiwan Normal University*

BREFM-0027

A Literature Review of Enterprise Risk Management in Accounting Research Field

Shiho Fujita | *Keio University*

Keita Iwasawa | *Keio University*

Eisuke Yoshida | *Keio University*

BREFM-0035

An International Review of the Effect of Executive Compensation on Corporate Risk-Taking

Minghui Jiang | *Harbin Institute of Technology*

ISESS-0015

The Effects of Stigma Trajectory on the Child Development in Out-of-Home Care

Ick-Joong Chung | *Ewha Womans University*

ISESS-0049

Analysis and Comparison of Present Situation of Red Cross Disaster Education in Korea, Japan and USA

Minsoo Kim | *Pusan National University*

Byunghyun Park | *Pusan National University*

Byeonggyu Bae | *Pusan National University*

Jaehyun Kim | *Pusan National University*

Poster Sessions (4)

Biological Engineering / Chemical Engineering / Civil Engineering / Environmental Science

Thursday, June 28, 2018 17:00-17:50 B5

ISCEAS-0056

The Inhibitory Effect of EGCG on HBV Infection in Vitro and in Vivo

Hsiu-Chen Huang | *National Tsing Hua University*

Cheng Huang | *National Yang-Ming University*

ISCEAS-0065

Ampelopsin C Induce Apoptosis in Triple Negative Breast Cancer Cells

Hsiu-Chen Huang | *National Tsing Hua University*

Cheng Huang | *National Yang-Ming University*

ISCEAS-0088

Antifungal Activity of Isopalmitic Acid against Indoor Fungi

Honoka Nishimura | *The University of Kitakyusyu*

Toshinari Koda | *Nissan Chemical Industries*

Hiroshi Morita | *The University of Kitakyusyu*

ISCEAS-0089

Establishments of Miticidal and Repellent Bioassays with *Dermatophagoides Pteronyssinus*

Aki Maruoka | *The University of Kitakyusyu*

Toshinari Koda | *Nissan Chemical Industries Ltd.*

Hiroshi Morita | *The University of Kitakyusyu*

ISCEAS-0092

Isolation of Wine Yeast from Grapes Cultivated in *Kitakyushu*

Misako Okamoto | *The University of Kitakyusyu*

Hiroshi Morita | *The University of Kitakyusyu*

ISCEAS-0122

Antibacterial Effect of *Igusa* on *Corynebacterium Xerosis*

Kotomi Hayashi | *The University of Kitakyushu*

Mariko Era | *The University of Kitakyushu*

Hiroshi Morita | *The University of Kitakyushu*

ISCEAS-0126

On the Analysis and Applications of EMG Features in Parkinson's Disease during Simple Elbow Flexion Movements

Chia-Yen Yang | *Ming-Chuan University*

Tsorng-Lin Chia | *Ming-Chuan University*

ISCEAS-0068

Apparent Viscosity of a Suspension of Monodispersed Core-Shell Particles

Xin-Fang Li | *National I-Lan University*

Shih Hsin Chen | *National I-Lan University*

ISCEAS-0082

Multicolor Fluorescence of pNIPAM-Based Nanogels Modulated by Dual Stimuli-Responsive FRET Processes for Cell-Imaging

Ho-Joong Kim | *Chosun University*

ISCEAS-0057

A Novel Method to Estimate Traffic Density using Radar Sensors

Inchul Yang | *KICT (Korea Inst. of Civil Eng. & Building Tech.)*

Woo Hoon Jeon | *KICT (Korea Inst. of Civil Eng. & Building Tech.)*

ISCEAS-0063

Structural Performance of Steel Fiber Reinforced Concrete Slabs

Geonho Hong | *Hoseo University*

Byungmin Chae | *Hoseo University*

ISCEAS-0075

Mapping and Monitoring Recent Surface Water Extent of Lake Chad using Multiple Time Series of Earth Observations

Sang-IL Lee | *Dongguk University*

Willibroad G. Buma | *Dongguk University*

ISCEAS-0147

The Aggregation of Bentonite Temperature-Responsive Polymer as a Flocculant

Ayano Nakamura | *Akita University*

Kenji Murakami | *Akita University*

ISCEAS-0154

Monitoring of Atmospheric Aerosols from the Geostationary Satellites

Kwonho Lee | *Gangneung-Wonju National University*