

# Conference Program

June 20-22, 2017  
Hanoi, Vietnam

ASEAI

Asia Symposium on Engineering and  
Information

APCLSE

Asia-Pacific Conference on Life Science and  
Engineering

ASMSS

Annual Symposium on Management and Social  
Sciences

BREFM

International Business, Economics, Finance  
and Management Conference

**ASEAI**

**Asia Symposium on Engineering and Information**

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ISBN 978-986-89536-8-0

**APCLSE**

**Asia-Pacific Conference on Life Science and Engineering**

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ISBN 978-986-90052-9-6

**ASMSS**

**Annual Symposium on Management and Social Sciences**

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ISBN 978-986-90263-7-6

**BREFM**

**International Business, Economics, Finance and Management Conference**

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ISBN 978-986-90827-0-9

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# ***General Information for Participants***

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## ■ **Registration**

The registration desk will be situated on the **2<sup>nd</sup> floor** at **Pan Pacific Hotel Hanoi** during the following time:

**08:00-16:00, Wednesday, June 21, 2017**

**08:30-11:30, Thursday, June 22, 2017**

## ■ **Organizer**



Higher Education Forum (HEF)

Tel: + 886 2 2740 1498 | [www.prohef.org](http://www.prohef.org)



## ■ **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 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


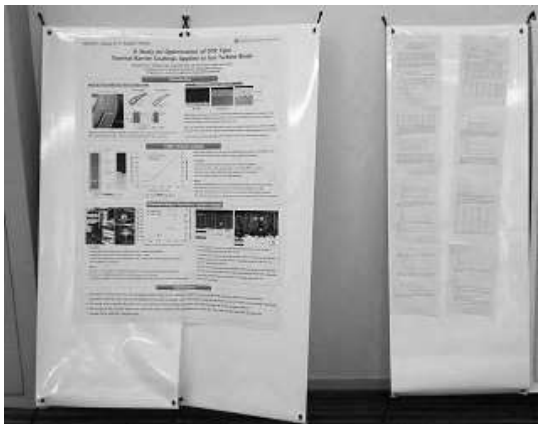
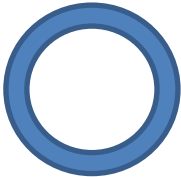

### Materials Provided by the Conference Organizer:

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

### Materials Prepared by the Presenters:

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



	
<p>A 60cm*160cm poster illustrates the research findings.</p>	<p>1. Wider than 60cm (left)</p> <p>2. Copy of PowerPoint slides in A4 papers (right)</p>
	

# International Committees

## International Committee of Nature Sciences

Abdelmalik Serbout	University of physical and sports activities Djelfa Algeria	Algeria
Abdelwahab Elghareeb	Cairo University	Egypt
Abhishek Shukla	R.D. Engineering College Technical Campus,Ghaziabad	India
Ahmad Zahedi	James Cook University	Australia
Alexander M. Korsunsky	Trinity College,Oxford	UK
Almacen	Philippine Association of Maritime Trainig Centers	Philippines
Amel L. Magallanes	Capiz State University	Philippines
Amran Bin Ahmed	University Malaysia Perlis	Malaysia
Anthony D. Johnson	Seoul National University of Science & Technology	UK
Ashley Love	A.T. Still University	USA
Asif Mahmood	King Saud University, Riyadh	Saudi Arabia
Asmida Ismail	University Technology Mara	Malaysia
Baolin Wang	University of Western Sydney	
Byoung-Jun Yoon	Korea National Open University	South Korea
Chang Ping-Chuan	Kun Shan University	Taiwan
Chee Fah Wong	Universiti Pendidikan Sultan Idris	Malaysia
Chee-Ming Chan	Universiti Tun Hussein Onn Malaysia	Malaysia
Cheng, Chun Hung	The Chinese University of Hong Kong	Hong Kong
Cheng-Min Feng	National Chiao Tung University	Taiwan
Cheuk-Ming Mak	The Hong Kong Polytechnic University	Hong Kong
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Chi-Ming Lai	National Cheng-Kung University	Taiwan
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M. Krishnamurthy	KCG college of technology	India
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## International Committee of Social Sciences

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Joyce Zhou	Emporia State University	USA
Julia Wong	Family Justice Courts Singapore	Singapore
K. Prakash Vel	University of Wollongong	Dubai
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Ruby Ann L. Ayo	Bicol University	Philippines
Sadiq Abdulwahed Ahmed Ismail	United Arab Emirates University	UAE
Sally dhruva' Stephenson	Frosterburg State University	USA
Seonjeong Ally Lee	Kent State University	USA
Shaik. Feroz	Caledonian College of Engineering	Oman
SHANG Songmin	The Hong Kong Polytechnic University	Hong Kong
Shujen Lee Chang	Asia University	Taiwan
Soon SONG	Wonkwang University	South Korea

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Szu-Wei (Chris) Chen	I-Shou University	Taiwan
T.S.Devaraja	University of Mysore, Hemanganthri Campus	India
Tan Khay Boon	SIM Global Education	Singapore
Theeraphab Phetmalaikul	Srinakharinwirot University	Thailand
Thoedsak Chomtohsuwan	Rangsit University	Thailand
Vijayaletchumy Subramaniam	Universitas Putra Malaysia	Malaysia
Wang Yu-Shan	National Kaohsiung First University of Science and Technology	Taiwan
Warren Matthews	Belhaven University	USA
Wei-Cheng(Joseph) Mau	Wichita State University	USA
Wen-Pei Sung	National Chin-Yi University of Technology	Taiwan
William Richeson	University of Kentucky	USA
Ye PeiShi	Family Justice Courts Singapore	Singapore
Ying Zhang	Southeast University	China
Yong-Ho Kim	Pukyong National University	South Korea
Yuki Yokohama	Kanto Gakuin University	Japan
Zabihollah Rezaee	The University of Memphis	USA
Zhou Xiao	Fudan University	China

## ***Special Thanks to Session Chairs***

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Warner Woodworth	Marriott School, Brigham Young University
Chih-Wei Peng	Taipei Medical University Hospital
Chao Hsing Huang	Chang Jung Christian University
Naohiko Shimizu	Tokai University
Sayed Esmatullah Torabi	Kitakyushu University

## ***Conference Venue Information***

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### **Pan Pacific Hotel Hanoi**

Address: 1 Thanh Nien Road Ba Dinh District 10000 Hanoi Vietnam

Tel: +84 4 3823 8888

Pan Pacific Hanoi is located on the peaceful waters of the largest lake in the city and is adjacent to the famous 800-year-old Golden Lotus (Kim Lien) Pagoda. Ideally situated just minutes from the Old Quarter, Pan Pacific Hanoi offers a refreshing new experience in the capital of Vietnam.

### **Transportation**

**Noi Bai International Airport→Pan Pacific Hotel Hanoi**

#### **Hanoi Airport Public Bus**

Hanoi City Bus number 17 connect Noi Bai Airport with Hanoi City Center. The bus stop is just on the right side of terminal exit. Traveling by bus costs about 10,000-15,000 VND (about 0.5 to 1 USD) per person and takes about one hour. Buses run every 15-20 minutes from 5 a.m. to 10 p.m.. Bus number 17 connects the airport to Long Bien Bus Station. After arrive Long Bien bus Station, take 5 min Taxi to Pan Pacific Hanoi.

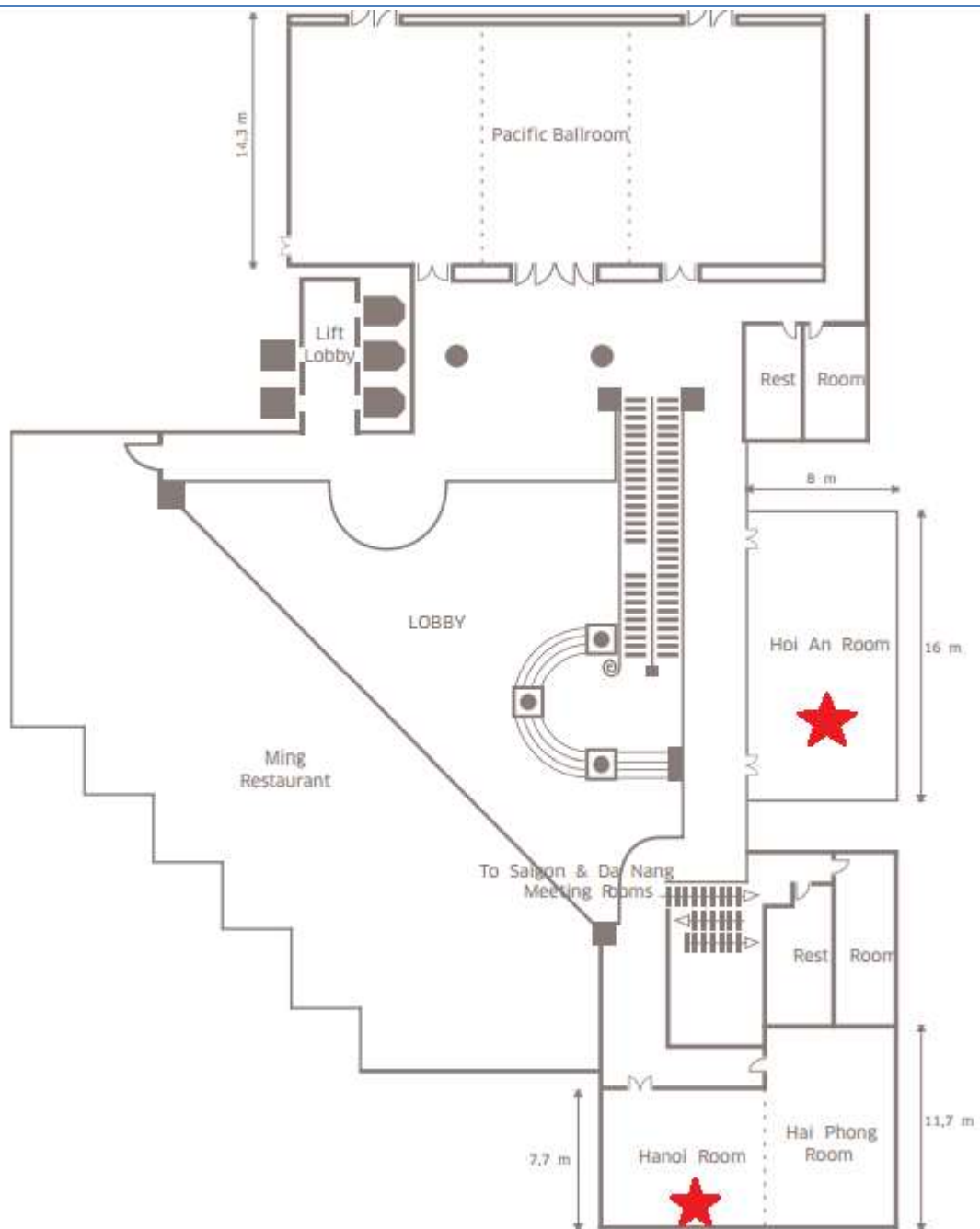
#### **Taxi**

Traveling by Taxi takes about 35-40 minutes and costs about 550,000-650,000 VND (25-30 USD).

#### **Drive**

From Noi Bai International Airport, take Vo Nguyen Giap Road, over Nhat Tan Bridge then continue to go straight to Au Co Road and then Nghi Tam Road. The hotel is at the intersection of Nghi Tam Road and Thanh Nien Road.

## ***Pan Pacific Hotel Hanoi Floor Plan (2<sup>nd</sup> Floor)***



## *Conference Schedule*

<b>Tuesday, June 20, 2017</b>
<b>Internal Meeting</b>

<b>Wednesday, June 21, 2017</b>		
<b>Oral Presentation</b>		
<b>2F, Pan Pacific Hotel Hanoi</b>		
Time	Schedule	Venue
<b>08:00-16:00</b>	<b>Registration</b>	Foyer Area
<b>08:30-10:00</b>	Economics / Business / Management	Hoi An
	Chemical Engineering / Biological Engineering / Life Science	Ha Noi
<b>10:00-10:30</b>	<b>Tea Break &amp; Networking</b>	Foyer Area
<b>10:30-12:30</b>	<p><b><u>Welcome Speech(10:30-10:35)</u></b>  <b>Prof. Joy Kamakamaewailani Rodriguez</b>  <b><u>Local Music Performance (10:35-10:40)</u></b>  <b><u>Social Science Keynote Speech(10:40-11:35)</u></b>  <b>Prof. Joy Kamakamaewailani Rodriguez</b>  Beijing Forestry University  <i>Topic: Are You (or Your Students) Foreigner-Phobic?</i>  <i>5 “ESL/EFL/ELL” Ways To Find Out and Address The Problem!</i>  <b><u>Nature Science Keynote Speech(11:35-12:30)</u></b>  <b>Prof. Hanmin Jung</b>  Korea Institute of Science and Technology Information  <i>Topic: Future Perspective on the 4th Industrial Revolution</i></p>	Hoi An
<b>12:30-13:30</b>	<b>Lunch Time</b>	Pacifica Restaurant (LF)
<b>13:30-15:00</b>	Education / Society / Communication	Hoi An
<b>15:00-15:15</b>	<b>Tea Break &amp; Networking</b>	Foyer Area
<b>15:15-16:45</b>	Electrical and Electronic Engineering / Computer Engineering and Technology / Mechanical Engineering / Aeronautics & Aerospace Engineering	Hoi An



<b>Wednesday, June 21, 2017</b>		
<b>Poster Presentation</b>		
<b>2F, Pan Pacific Hotel Hanoi</b>		
<b>Time</b>	<b>Schedule</b>	<b>Venue</b>
<b>13:45-14:45</b>	<b>Poster Sessions (1)</b> Environmental Science and Engineering / Civil Engineering / Computer Engineering and Technology / Mechanical Engineering	Ha Noi
<b>15:30-16:30</b>	<b>Poster Sessions (2)</b> Life Sciences / Biological Engineering / Chemical Engineering / Finance / Education / Society / Psychology	Ha Noi

<b>Thursday, June 22, 2017</b>		
<b>Oral Presentation</b>		
<b>2F, Pan Pacific Hotel Hanoi</b>		
<b>Time</b>	<b>Schedule</b>	<b>Venue</b>
<b>08:30-11:30</b>	Registration	Foyer Area
<b>09:00-10:30</b>	Civil Engineering / Environmental Science and Engineering	Hoi An
<b>10:30-10:45</b>	<b>Tea Break &amp; Networking</b>	Foyer Area
<b>10:45-12:15</b>	Geosciences and Petroleum Engineering	Hoi An
<b>12:15-13:15</b>	<b>Lunch Time</b>	Pacifica Restaurant (LF)

# Social Sciences Keynote Speech

Hoi An, 2<sup>nd</sup> Floor

10:40–11:35, Wednesday, June 21, 2017

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***Topic: Are You (or Your Students) Foreigner-Phobic?  
5 “ESL/EFL/ELL” Ways To Find Out and Address The Problem!***

**Prof. Joy Kamakamaewailani Rodriguez**

Beijing Forestry University

Director of ConversationsCamp



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## Abstract

I am Dr. Joy K. Rodriguez, an English Language Educator, who travels worldwide, teaching Non-Native Speakers (NNS) “how to speak and practice English” with Native Speakers (NS or Foreigners).

Because Technology is such an integral part of all of our lives these days, I, strategically, use multi-media tools (including: the Internet, movies, music, realia, etc) to REACH and TEACH. I still teach all the required pedagogical components of Language Learning (grammar, vocabulary, TEST-PREP, etc), but with a “conversational” emphasis on (1) Phrasal Verbs, (2) Slang or Jargon, and (3) Idioms, for “natural” speaking, better pronunciation, and fluency!

If you’re a Non-Native Speaker (NNS) or Teacher, then you know, first-hand, how daunting it can be to not only learn a new language, but to speak it. Foreign Language Anxiety (Xenoglossophobia) is one part of this communication problem, but, another, rarely discussed, part is what I’ve coined, “foreignerphobia”. Foreignerphobia is “an extreme fear of speaking to or with Native Speakers (foreigners)” in their native language (L1).

This Keynote presentation reviews 3 types of NNS ANXIETY: Trait, Situation-Specific and State. I will also discuss (based on research results) some reasons WHY NNS may feel foreigner-phobic. I will provide you with The “Movies&Music” Class examples to show you how to help your students MINIMIZE or OVER-COME this “conversation-crippling” problem

(plus, introduce the ingredients of a ForeignerThon) ... all easily implementable Teaching and Learning tools.

### **Statement of the Problem:**

ConversationsCamp is my professional contribution to “encouraging ESL/EFL/ELL conversations and reducing foreignerphobia”, which (based on my research) ranges from:

Competence/Confidence Issues to Performance Anxiety. When you couple these issues with actual “practice” requirements, so much “speaker insecurity” reveals itself. For example: Once NNS students learn the English GRAMMAR, VOCABULARY and ROTE EXERCISES that we “are required to” teach them, then what? At some point, they’ll, actually, have to “practice” speaking their second or foreign language (L2), and, possibly, with Native Speakers (NS) of that language ... Yikes!!

Cross-Cultural Issues: Many cultures, particularly throughout Asia, do not aggressively “initiate” or “engage” in direct contact with Foreigners unless necessary, so the mere thought of speaking to or with one can paralyze their language learning efforts, if left unaddressed.

### **RESEARCH AND MEASURABLE RESULTS:**

I have conducted (over the past year) an EXPERIENTIAL and SCIENTIFIC study of 250 University Students in Beijing and Dubai (at the beginning of the Semester) while tracking their “ForeignerThon” progress (at the end of the Semester), with these measurable results. Ninety-Two (92%), successfully, completed their ForeignerThon requirements, while the remaining 8% shared their own self-imposed reasons for not being able to do so.

### **In Conclusion**

If you’re a Non-Native Speaker (NNS) or Teacher, it’s critical to not just ‘learn or teach’ your new language but to overcome any obstacles to speaking it. This presentation offers measurable solutions. You will learn how to create your own “ForeignerThon” and some of The “Movies&Movies” Class ideas that are, easily, customizable for your existing curriculum.

Won’t you join me in this “exciting” ESL/EFL/ELL challenge? ... Let’s create and connect a global “community of conversations” ... by addressing “foreignerphobia” in Non-Native Speakers.

### **Brief Introduction of Prof. Joy Kamakamaewailani Rodriguez**

Joy is an “Oral English” Professor at Beijing Forestry University (until August 2017) and a Consultant to Peking University, Tsinghua University, Student Travel Schools (STS-China), Disney-Shanghai, and Jumeira University (Dubai, United Arab Emirates). She is the ESL

Director of ConversationsCamp, and has taught The “Movies&Music” Class to more than 14,000 Students and Educators Worldwide. Visit Website: [www.conversationscamp.com](http://www.conversationscamp.com)

- Born In England, Joy lives in Hawaii (USA) when she’s not travelling worldwide.
- This Ph.D., in Natural Health, is also Microsoft Certified (MCT) with TESOL/TEFL credentials (Columbia University-Teachers College and TESOL Training International).
- A Native English Speaker of 6 other languages (which include conversational French, Spanish, Hawaiian, Tagalog, Japanese, and Mandarin Chinese).
- Over 6 years ESL Instructor/Teacher-Trainer Experience (Spas, Corporate, Kindergarten, Middle/High Schools and Universities), TOEFL, IELTS, TOEIC-Prep, and Business English.
- Memberships: Toastmasters International, TESOL-Arabia & TESOL International.

Joy is not only our Keynote Speaker, but is also a Natural Health Practitioner, Licensed Massage Therapist, Life Passion Coach, 3-time Marathon Finisher, and Author of these 4 books, with her 5<sup>th</sup> Book – “Pray Believing Not Begging” – publication date December 2017.

Research Interests: Multi-Media Teaching; Oral English; Cultures, Customs & Traditions.

# Nature Sciences Keynote Speech

**Hoi An, 2<sup>nd</sup> Floor**

**11:35–12:30, Wednesday, June 21, 2017**

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***Topic: Future Perspective on the 4th Industrial Revolution***

**Hanmin Jung**

Head of Scientific Data Research Center and chief researcher  
Korea Institute of Science and Technology Information (KISTI)



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**Brief Introduction of Prof. Hanmin Jung**

Hanmin Jung works as the head of Scientific Data Research Center and chief researcher at Korea Institute of Science and Technology Information(KISTI), Korea since 2004.

He received his B.S., M.S., and Ph.D. degrees in Computer Science and Engineering from Pohang University of Science and Technology(POSTECH), Korea in 1992, 1994, and 2003.

Previously, he was senior researcher at Electronics and Telecommunications Research Institute(ETRI), Korea, and worked as CTO at DiQuest Inc, Korea.

Now, he is also full professor at University of Science & Technology(UST), Korea, visiting professor at National Human Resources Development Institute(NHI), Korea, visiting fellow at University of Southampton, UK, guest professor at Graz University, Austria, guest professor at Paderborn University, Germany, editor at Korea Contents Association, director at Korean Society for Internet Information, director at Korean Society for Big Data Service, director at The Korean Society Of Computer And Information, and committee member of ISO/IEC JTC1/SC32. His current research interests include the 4th industrial revolution, semantic web, artificial intelligence, text mining, big data, information retrieval, human-computer interaction (HCI), data analytics, natural language processing(NLP), and internet of things(IoT). For the above research areas, over 520 papers and patents have been published and created.

### Economics / Business / Management

**Wednesday, June 21, 2017      08:30-10:00      Hoi An**

Session Chair: *Prof. Warner Woodworth*

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#### **BREFM-0004**

**International University Student Leadership Development Outcomes and Employer Needs in the 21<sup>st</sup> Century – A Case-Study**

Peter McClenaghan | *University of New England*

Phillip Harrell | *University of New England*

Roger Epworth | *RMIT Vietnam*

#### **BREFM-0011**

**Building a Values Based Organisational Culture: Multiple Case Studies**

Phillip Harrell | *University of New England*

Peter McClenaghan | *University of New England*

Roger Epworth | *RMIT Vietnam*

#### **BREFM-0002**

**Study on the Real Value-Added Measurement Method — Including Verification by China Input-Output Tables —**

Jie LI | *Saitama University*

Yanjuan Dai | *Guangdong University of Foreign Studies*

#### **BREFM-0012**

**Vietnamese Consumer's Concerns for Face and Their Behaviour toward Luxury Brands**

Anh Le | *Holmes Institute*

Huong Thu Nguyen | *Victoria University*

Mai Bach Ho | *Hanoi University of Industry*

#### **ASMSS-0007**

**Grassroots Social Innovation: Public Administration Practices in the Caribbean**

Warner Woodworth | *Brigham Young University*

## Chemical Engineering / Biological Engineering / Life Science

Wednesday, June 21, 2017

08:30-10:00

Ha Noi

Session Chair: *Prof. Chih-Wei Peng*

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### APCLSE-0022

**Evaluation of *in Vitro* and *in Vivo* Pharmacological Activities of Reef Associated Mollusk, *Drupa Margariticola*, Southeastern India**

Chellaram Chinnachamy | *Sur College of Applied Sciences*

Edward J. K. P | *Suganthi Devadason Marine Research Institute*

### ASEAI-0025

**Kinetic Modeling for Polycyclic Aromatic Hydrocarbon Formation in Hydrocarbon Fuel Pyrolysis**

Hsin-Yao Wang | *National Sun Yat-Sen University*

Kuang C. Lin | *National Sun Yat-Sen University*

### APCLSE-0016

**Effect of Light-Emitting Diode Light on Antioxidant Activities of Polysaccharide from *Ulva Pertusa***

Bao Le | *Chonnam National Univeristy*

Seung Hwan Yang | *Chonnam National Univeristy*

Gyuhwa Chung | *Chonnam National Univeristy*

### ASEAI-0005

**Relationship between Mechanical Impact and Neurological Properties following Weight-Drop Induced Traumatic Brain Injury in Rats**

Chih-Wei Peng | *Taipei Medical University Hospital*

Shih-Ching Chen | *Taipei Medical University Hospital*

Tsung-Hsun Hsieh | *Chang Gung University*

## **Education / Society / Communication**

**Wednesday, June 21, 2017**

**13:30-15:00**

**Hoi An**

Session Chair: *Prof. Chao Hsing Huang*

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### **ASMSS-0009**

#### **Adolescent Smoking Cessation Program: A Multidisciplinary Approach to Community Health**

Hongna Lee | *Seoul National University*

Ga-hye Yi | *SMG - SNU Boramae Medical Center*

Bumjo Oh | *SMG - SNU Boramae Medical Center*

Sang Hyung Lee | *Seoul National University*

### **ASMSS-0015**

#### **Involving Community Volunteers in Recording Deterioration of Buildings after Disaster**

Chao Hsing Huang | *Chang Jung Christian University*

Chen-Yu Chen | *National Cheng Kung University*

Shir Ming Chen | *National Cheng Kung University*

Chuan-Wen Chou | *National Cheng Kung University*

Shu-Hui Li | *Chang Jung Christian University*

Chi-Pang Lu | *National Cheng Kung University*

### **ASMSS-0020**

#### **The Effect of Motivations on Computer-Mediated Communication Media Usage Behavior: The Moderating Effect of Cultural Differences**

Wouter B. Wiechers | *Fu Jen Catholic University*

Yi-Cheng Ku | *Fu Jen Catholic University*

### **ASMSS-0033**

#### **The Design and Application of Coconut to Decorate Residence in Urban Living**

Vongthong Kienvong | *BansomdejChaopraya Rajabhat University*

Julalak Jarujutarat | *BansomdejChaopraya Rajabhat University*

Teeraphat Singhanam | *BansomdejChaopraya Rajabhat University*

Jirameth Rungraksan | *BansomdejChaopraya Rajabhat University*



**ASMSS-0026**

**The Study of Designing Packaging from Corn Husks Case Study: Rueangsiri Farm Women Group Association, Sam Ngam, Don Tum, Nakhon Pathom, Thailand**

Julalak Jarujutarat | *BansomdejChaopraya Rajabhat University*

Vongthong Kienvong | *BansomdejChaopraya Rajabhat University*

**ASMSS-0013**

**What We Can Learn from the Elderly in Vietnam-An Integration of Studies of Social Welfare, Peace and Gerontology**

Ryotaro Katsura | *Vietnam-Japan University*

# **Electrical and Electronic Engineering / Computer Engineering and Technology / Mechanical Engineering / Aeronautics and Aerospace Engineering**

**Wednesday, June 21, 2017**

**15:15-16:45**

**Hoi An**

Session Chair: *Prof. Naohiko Shimizu*

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## **ASEAI-0006**

### **Development of VLSI Design Flow with FOSS EDA and NDA Free Design Rules**

Naohiko Shimizu | *Tokai University*

Takumi Furukawa | *Tokai University*

## **ASEAI-0007**

### **Development of a Visual Programming Language SUGOPRO**

Naohiko Shimizu | *Tokai University*

Takumi Furukawa | *Tokai University*

## **ASEAI-0033**

### **Development of a NDA Free Cell Library for 180nm CMOS Technology with FOSS EDA Tools**

Naohiko Shimizu | *Tokai University*

Jean-Paul Chaput | *Tokai University*

Marie-Minerve Louerat | *Tokai University*

## **ASEAI-0008**

### **FSI Analysis of Spring Sheet Check Valve Used in Smart Material Pump**

Phuc Nguyen Anh | *Korea Aerospace University*

Jai-Hyuk Hwang | *Korea Aerospace University*

Yong Ha Hwang | *Korea Aerospace University*

Jun Yong Kwon | *Korea Aerospace University*

**APCLSE-0001**

**Development of Inshore Fishing UAV at Sea Based on Preliminary Assessment Result**

Zacharie Mbaitiga | *National Institute of Technology Okinawa College*

Kyuhei Honda | *National Institute of Technology, Oita College*

## **Civil Engineering / Environmental Science and Engineering**

**Thursday, June 22, 2017**

**09:00-10:30**

**Hoi An**

Session Chair: *Dr. Sayed Esmatullah Torabi*

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### **ASEAI-0036**

#### **Applying BIM to Buildings Envelope Energy Efficiency Measuring Automatic Retrieving by IFC**

Kuo-Chung Wen | *Chinese Culture University*

Wun-Bin Siao | *Chinese Culture University*

### **ASEAI-0015**

#### **A Study on the Current State of Using Articulated Bus and User Behavior**

Trong Dung Nguyen | *Tokai University*

Yoshitaka Kajita | *Tokai University*

### **ASEAI-0017**

#### **Study on Quantification of Steel Crack Based on Image Processing**

In-Ho Kim | *Korea Advanced Institute of Science and Technology*

Haemin Jeon | *Hanbat University*

Hyung-Jo Jung | *Korea Advanced Institute of Science and Technology*

### **ASEAI-0014**

#### **Environmental Assessment of Air Pollution over the Kabul City**

Sayed Esmatullah Torabi | *Kitakyushu University*

Atsushi Nogami | *Kitakyushu University*

### **ASEAI-0041**

#### **Gravity-Driven Membrane Ultrafiltration for Decentralized Production of Drinking Water**

Won-Il Park | *Sungkyunkwan University*

Sanghyun Jeong | *Sungkyunkwan University*

Am Jang | *Sungkyunkwan University*

**ASEAI-0042**

**Adsorption of Emerging Contaminants from Aquatic Solution**

You-Li Lin | *Tunghai University*

Chiung-Fen Chang | *Tunghai University*

Ching-Yuan Chang | *National Taiwan University*

Chia-Chi Chang | *National Taiwan University*

## Geosciences and Petroleum Engineering

Thursday, June 22, 2017

10:45-12:15

Hoi An

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### ASEAI-0031

#### Effects of Salinity on Adsorption/Desorption Behavior of Alkali-Surfactant in Dolomite Formation

Yosnun Vathanapanich | *Chulalongkorn University*

Falan Srisuriyachai | *Chulalongkorn University*

### ASEAI-0024

#### Combined Water Dumpflood with Water Injection into Oil Reservoir

Kimseng Hort | *Chulalongkorn University*

Suwat Athichanagorn | *Chulalongkorn University*

### ASEAI-0023

#### Evaluation of Double Displacement Process via Water and Gas Dumpflood

Serey Vathana Tum | *Chulalongkorn University*

Suwat Athichanagorn | *Chulalongkorn University*

### ASEAI-0035

#### Improving Condensate Recovery Using Combined Gas Dumpflood and Gas Injection

Piya Phongtongpasuk | *Chulalongkorn University*

Suwat Athichanagorn | *Chulalongkorn University*

### ASEAI-0028

#### Evaluation of Steam-Foam Flooding in Multilayered Heterogeneous Reservoir

Chakkit Kekina | *Chulalongkorn University*

Falan Srisuriyachai | *Chulalongkorn University*

## ***Poster Sessions (1)***

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### **Environmental Science and Engineering / Civil Engineering / Computer Engineering and Technology / Mechanical Engineering**

**Wednesday, June 21, 2017**

**13:45-14:45**

**Ha Noi**

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**ASEAI-0009**

**Application of Coal Fly Ash as Environmental Catalysts**

Jaehyeong Park | *Konkuk University*

Sungjun Bae | *Konkuk University*

**ASEAI-0027**

**Identification of the Transformation Products of Pharmaceuticals and Personal Care  
Products in Chlorinated Water**

Jiun-Yi Cheng | *Tunghai University*

Wen-Ling Chen | *Tunghai University*

**ASEAI-0026**

**Multi-Objective Assessment of Energy Structures by Compromise Programming**

Shu-Kuang Ning | *National University of Kaohsiung*

Ya-Han Yang | *SGS Taiwan Inc.*

**ASEAI-0040**

**Identify the Background Concentrations of Chemical Substances in Groundwater by  
Fractal Filter Approach**

Ho-Wen Chen | *Tunghai University*

Wei-Yea Chen | *Tunghai University*

Yen Hsun Chuang | *Tunghai University*

**ASEAI-0029****Relationships among THM, NPDOC and Organic Spectrometric Characteristics in Finished Water from MT Water Treatment**

Jing-Wen Cao | *Tajen University*

Chun-Yen Chiu | *Tajen University*

Lih-Fu Chen | *Shu-Te University*

Wen-Liang Lai | *Tajen University*

**ASEAI-0043****Applying Activated Carbon/Silver Catalyst to Decompose Natural Organic Substances in Water**

Cheng-Nan Chang | *Tunghai University*

Yen-Ping Peng | *Tunghai University*

Li-Wei Lu | *Tunghai University*

**ASEAI-0003****Electrical Resistivity Measurement for Evaluation of Concrete Setting Time**

Hong Jae Yim | *Kyungpook National University*

Hanju Lee | *Kyungpook National University*

**ASEAI-0013****Temperature Dependence of Crack-Induced Nonlinear Ultrasonic Parameters on a Metallic Structure**

Yun-Kyu An | *Sejong University*

Yangsung Kwon | *KHNP CRI*

Keun-Young Jang | *Sejong University*

**ASEAI-0021****Density and Strength Properties of Non-Cement Matrix using Circulating Fluidized Bed Combustion Boiler Fly Ash and Dyeing Sludge Carbide**

Tae-Hyun Kim | *Hanbat National University*

In-Soo Kyoung | *Hanbat National University*

Jin-Hyun Shin | *Hanbat National University*

Sang-Soo Lee | *Hanbat National University*



**ASEAI-0020****Properties of Cement Paste Matrix Containing Dyeing Sludge Carbide**

Oh-Han Gwon | *Hanbat National University*

Heon-Taw Kim | *Hanbat National University*

Hyun-Ung Lim | *Hanbat National University*

Sang-Soo Lee | *Hanbat National University*

**ASEAI-0022****Properties of Non-Cement Matrix Based on the Replacement Ratio of Powdered Active Carbon**

Su-Jeong Pyeon | *Hanbat National University*

Won-Jong Kim | *Hanbat National University*

Dong-Hoon Lee | *Hanbat National University*

Sang-Soo Lee | *Hanbat National University*

**ASEAI-0032****Strategy for Applying of Big Data Analytics in Construction Industry**

Dong-Hoon Lee | *Hanbat National University*

Sang-Su Lee | *Hanbat National University*

**ASEAI-0010****Concrete Efflorescence Detection Based on Hyperspectral Imaging**

Byunghyun Kim | *University of Seoul*

Soojin Cho | *University of Seoul*

**ASEAI-0016****A Performance Study of Eigenvalue Problem Parallel Computing Method in Quantum Chemistry**

Takara Yasuo | *The University of Kitakyushu*

Nogami Atsushi | *The University of Kitakyushu*

**ASEAI-0034**

**Optimized Design of Highly Uniform and 9-Staged Ring-Shaped Reflection Planes Lamp**

Yu-Sheng Tsai | *National Formosa University*

Lin-Ann Hong | *National Formosa University*

Shih-An Liao | *National Formosa University*

Jian-Shian Lin | *Industrial Technology Research Institute*

Fuh-Shyang Juang | *National Formosa University*

Wu-Xing Lin | *National Formosa University*

## ***Poster Sessions (2)***

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**Life Sciences / Biological Engineering / Chemical Engineering /**

**Finance / Education / Society / Psychology**

**Wednesday, June 21, 2017**

**15:30-16:30**

**Ha Noi**

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### **APCLSE-0002**

**Analysis of Racial Differences of Moisture Distribution in Cross Section of Curly Hair**

Kosuke Watanabe | *Milbon*

### **APCLSE-0003**

***Codonopsis Lanceolata* has Anti-Asthmatic Effect which Modulates via IL-5 Suppression**

Dae-Hun Park | *Dongshin University*

Seung-Sik Cho | *Mokpo National University*

Kyung-Mok Park | *Dongshin University*

Chun-Sik Bae | *Chonnam National University*

### **APCLSE-0006**

**Investigation of Hair Damage Improvement based on Protein Stability**

Momoko Furuta | *MILBON Co., Ltd*

Kazuyuki Suzuta | *MILBON Co., Ltd*

Atsushi Baba | *MILBON Co., Ltd*

Shogo Oki | *University of Tsukuba*

Kentaro Shiraki | *University of Tsukuba*

Len Ito | *MILBON Co., Ltd*

### **APCLSE-0005**

**Basic Research on a Miniaturized Immunosensor for Fast Measurement of Oxytocin**

Keigo Kamei | *Meiji University*

Hiroyuki Kudo | *Meiji University*

**APCLSE-0007**

**Microfluidic Lactic Acid Monitoring System based on Electrochemical Biosensor for Non-Invasive Evaluation of Metabolic Activity**

Keigo Enomoto | *Meiji University*

Ryosuke Shimizu | *Meiji University*

Hiroyuki Kudo | *Meiji University*

**APCLSE-0013**

**Fundamental Study on Continuous Sweat Lactic Acid Monitoring for Clinical Applications**

Nozomi Kawai | *Meiji University*

Takahiro Kurose | *Meiji University*

Hiroyuki Kudo | *Meiji University*

**APCLSE-0014**

**Isolation of Chitinase Producing *Virgibacillus Salexigens* sp. nov. from Vietnam Shrimp Paste**

Thu Bao Le | *Chonnam National Univeristy*

Bao Le | *Chonnam National Univeristy*

Seung Hwan Yang | *Chonnam National Univeristy*

Gyuhwa Chung | *Chonnam National Univeristy*

**ASEAI-0018**

**Robotic-Assisted Gait Training in Individuals with Stroke**

Chien-Hung Lai | *Taipei Medical University*

Chih-Wei Peng | *Taipei Medical University*

Jiunn-Horng Kang | *Taipei Medical University*

Chih-Chao Hsu | *Taipei Medical University Hospital*

Shih-Ching Chen | *Taipei Medical University*

**APCLSE-0009**

**Highly Stereoselective Inter- and Intramolecular Cyclopropanations of Diazoacetates Catalyzed by Ru(II)-Amm-Pheox Complex**

Soda Chanthamath | *Toyohashi University of Technology*

Kazutaka Shibatomi | *Toyohashi University of Technology*

Seiji Iwasa | *Toyohashi University of Technology*

**APCLSE-0010**

**Catalytic Functionalization of Disubstituted Silane by Si-H Insertion Reaction Using Ru(II)-Pheox Complex**

Yoko Nakagawa | *Toyohashi University of Technology*

Soda Chanthamath | *Toyohashi University of Technology*

Kazutaka Shibatomi | *Toyohashi University of Technology*

Seiji Iwasa | *Toyohashi University of Technology*

**BREFM-0005**

**Proving the Net Operating Revenue as Cost Drivers Based on the Service Dominant Logic**

Yuanju Ma | *Capital University of Economics and Business*

Di Pan | *Capital University of Economics and Business*

**ASMSS-0032**

**Indirect Approach to Identify Possible Dyslexics in L2 Reading**

Kurt W. Ackermann | *Hokusei Gakuen University Junior College*

**ASMSS-0030**

**A Study on the Impacts of the Aircraft Noise on Housing Price Change by the Hedonic Price Model: The Case of the Apartment around Gimpo International Airport in South Korea**

In-Ho Choi | *Namseoul University*

Ki-Jeong Do | *Namseoul University*

Seong-Hwa Lee | *Daegu University*

**ASMSS-0010**

**Changes of Emotional Status and Quality of Life of Gastric Tumor after Endoscopic Submucosal Dissection (ESD)**

Won-Jung Choi | *Ilsan Hospital*

Han Ho Jeon | *Ilsan Hospital*

