

# Conference Program

February 7-9, 2017  
Seoul, Korea

SICSSAM

Seoul International Conference on Social Sciences  
and Management

APCESP

Asia-Pacific Conference on Education, Society and  
Psychology

SICEAS

Seoul International Conference on Engineering and  
Applied Sciences

**SICSSAM**

**Seoul International Conference on Social Sciences and Management**

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ISBN 978-986-5654-10-8

**APCESP**

**Asia-Pacific Conference on Education, Society and Psychology**

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ISBN 978-986-5654-08-5

**SICEAS**

**Seoul International Conference on Engineering and Applied Sciences**

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ISBN 978-986-5654-09-2

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## ***General Information for Participants***

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### **■ Registration**

The registration desk will be situated on the **4F** at the **Courtyard by Marriott Seoul Times Square** during the following time:

**08:30-17:00 Wednesday, February 8, 2017**

**08:30-17:00 Thursday, February 9, 2016**

### **■ A Polite Request to All Participants**

Participants are requested to arrive in a timely fashion for all addresses, whether to their own, or to those of other presenters. Presenters are reminded that the time slots should be divided fairly and equally between 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

**■ 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:**

1. Home-made Poster(s)
2. Material: not limited, can be posted on the canvases
3. Recommended poster size: 60cm\*160cm

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

# International Committees

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## International Committee of Nature Sciences

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Abdelwahab Elghareeb	Cairo University	Egypt
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T.S.Devaraja	University of Mysore, Hemanganthri Campus	India
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Thoedsak Chomtohsuwan	Rangsit University	Thailand
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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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Lusia Savitri Setyo Utami	Tarumanagara University
Sakonwan Hanjitsuwan	Lampang Rajabhat University
Bhimrao Janardan Patil	Shivaji University, Kolhapur; S. G. M. College,
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Sangwon Jong	Seoul Cyber University
Sasithorn Soparat	Phanakorn Rajabhat University
Ponlakrit Sangarwut	Suratthani Rajabhat University
Judith Salvador Calamayo	Northwest Samar State University
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Grant Bernardo Cornell	Eulogio "Amang" Rodriguez Institute of Science and Technology
Jung-Chang Wang	University
Diena Noviarini	State University of Jakarta
Lih-Wu Hourng	National Central University

# Conference Venue Information

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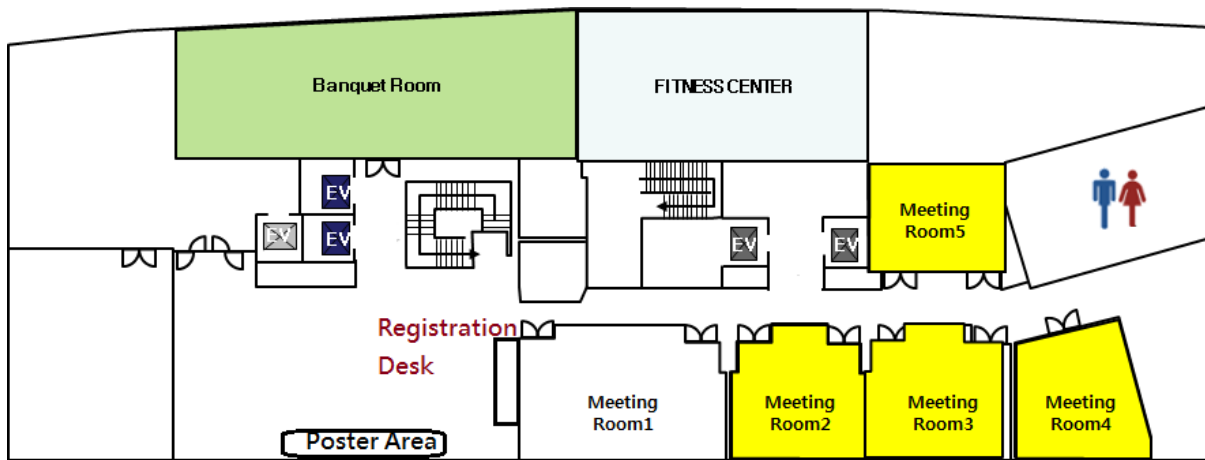
## Courtyard by Marriott Seoul Times Square

442 Yeongdeungpo-dong 4-ga, Yeongdeungpo-gu, Seoul, 150-798 South Korea

Phone: +82 2 2638 3000

Fax: +82 2 2638 3001

### Floor Map (4<sup>th</sup> floor)



## *Conference Schedule*

### **Tuesday, February 7, 2017**

Internal Meeting(For Staff Only)

### **Wednesday, February 8, 2017**

#### **Oral Presentation(4<sup>th</sup> floor)**

Time	Information	Venue
<b>08:30-17:00</b>	<b>Registration</b>	<b>4<sup>th</sup> Floor</b>
<b>09:00-10:30</b>	Communication(1)	Room 1
	Civil Engineering / Environmental Engineering	Room 2
	Applied Sciences (1)	Room 3
<b>10:30-11:00</b>	<b>Tea Break</b>	<b>4<sup>th</sup> Floor</b>
<b>11:00-12:00</b>	<b><u>Social Science Keynote Speech</u></b> <b>Prof. Yong-Ho Kim</b> Pukyong National University	Room 1
	<b><u>Nature Science Keynote Speech</u></b> <b>Prof. Van Think Nguyen</b> Seoul National University	Room 2
	Biomedical Engineering / Chemical Engineering	Room 3
<b>12:00-12:45</b>	<b>Lunch Time</b>	<b>Momo Cafe'</b>
<b>12:45-14:15</b>	Education(1)	Room 1
	Communication(2)	Room 2
	Applied Sciences (2) / Power & Energy Engineering	Room 3
<b>14:15-14:30</b>	<b>Tea Break</b>	<b>4<sup>th</sup> Floor</b>
<b>14:30-16:00</b>	Education(2)	Room 1
	Management (1)	Room 2
	Materials Science and Engineering / Electrical and Electronic Engineering	Room 3
<b>16:00-16:15</b>	<b>Tea Break</b>	<b>4<sup>th</sup> Floor</b>



<b>16:15-17:45</b>	Psychology (1)	Room 1
	Management (2)	Room 2
	Computer Engineering and Technology / Information Engineering and Technology	Room 3

<b>Wednesday, February 8, 2017 Poster Session(4<sup>th</sup> floor)</b>	
<b>Time</b>	<b>Schedule</b>
<b>13:30-14:30</b>	Poster Session (1)
	Applied Science
<b>15:00-16:00</b>	Poster Session (2)
	Information Engineering and Technology / Computer Engineering and Technology / Electrical and Electronic Engineering / Mechanical Engineering and Technology
<b>16:30-17:30</b>	Poster Session (3)
	Materials Science and Engineering / Civil Engineering / Biomedical Engineering / Chemical Engineering

<b>Thursday, February 9, 2017</b>		
<b>Oral Presentation(4<sup>th</sup> floor)</b>		
<b>Time</b>	<b>Information</b>	<b>Venue</b>
<b>08:30-16:30</b>	<b>Registration</b>	<b>4<sup>th</sup> Floor</b>
<b>09:00-10:30</b>	Psychology (2)	Room 1
	Society (1)	Room 2
<b>10:30-10:45</b>	<b>Tea Break</b>	<b>4<sup>th</sup> Floor</b>
<b>10:45-12:15</b>	Education(3)	Room 1
	Society (2) / Politics	Room 2
<b>12:15-13:00</b>	<b>Lunch Time</b>	<b>Momo Cafe'</b>
<b>13:00-14:30</b>	Education(4)	Room 1
	Culture	Room 2
<b>14:30-14:45</b>	<b>Tea Break</b>	<b>4<sup>th</sup> Floor</b>
<b>14:45-16:15</b>	Management (3)	Room 1
	Mechanical Engineering and Technology (1)	Room 2
<b>16:15-16:30</b>	<b>Tea Break</b>	<b>4<sup>th</sup> Floor</b>
<b>16:30-18:00</b>	Economy / Finance	Room 1
	Mechanical Engineering and Technology (2) / Aeronautics & Aerospace Engineering	Room 2

<b>Thursday, February 9, 2017</b>	
<b>Poster Session(4<sup>th</sup> floor)</b>	
<b>Time</b>	<b>Schedule</b>
<b>09:30-10:30</b>	Poster Session (4)
	Education
<b>11:00-12:00</b>	Poster Session (5)
	Society / Management / Economy / Finance / Politics / Psychology

## ***Nature Sciences Keynote Speech***

11:00 - 12:00, Wednesday, February 8, 2017, Room 2, 4th Floor

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### ***Topic:***

***Turbulent flows: Modelling and Applications in Engineering***

***Van Thinh Nguyen, PhD. (Dr.-Ing)***

Associate Professor

Department of Civil and Environmental Engineering

Seoul National University, South Korea

Adjunct professor

School of Engineering, University of Guelph, Canada



---

### **Abstract**

Most flows in nature and engineering are encountered turbulence. The mathematical description of the turbulence is based on mass and momentum conservation laws to obtain the Navier-Stokes Equations (1845), which is a complex set of partial differential equations (PDEs), and inherent the profound difficulties due to the non-linear, chaotic and three-dimensional features.

While the theoretical and experimental methods cannot provide an expected solution of the Navier-Stokes Equations, numerical modelling is the most efficient method to study the turbulent flow and its structures. Fortunately, together with recent development of the computational mathematics, the major advanced development in computer technology and programing techniques allows to construct the numerical models to calculate turbulent flow and its characteristics.

This talk will introduce the approaches to model, calculate and simulate the turbulent flows and its structures, such as Reynolds Averaged Navier-Stokes, Large Eddy Simulation and Direct Numerical Simulation approaches. Various applications in interdisciplinary engineering and applied science are described. Eventually, the comparisons between of such approaches and its advantages and disadvantages are also considered.

## ***Social Sciences Keynote Speech***

11:00 - 12:00, Wednesday, February 8, 2017, Room 1, 4th Floor

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### ***Topic:***

***Multimedia Learning for the Better Education: Visual Attention and Semantic Integration***

***Kim Yong-Ho***

Associate Professor  
Pukyong National University  
South Korea



---

### **Abstract**

**Research Question:** It is true that for hundreds of years verbal messages such as lectures and printed lessons have been the primary means of explaining ideas to learners. Despite the power of verbal learning, we have all witnessed for the last century that learning strategies have been a lot changed by the introduction of information and communication technologies. In the age of multimedia, as the concept-based verbal learning have given way to the image-based multimedia learning, we all recognize that people learn more deeply when ideas are expressed in both words and pictures rather than in words alone.

**Theoretical Background:** In the linguistics literature on verbal semantic integration, the N400 effect refers to the fact that unexpected words will cause very low level of negative potentials in brainwave measures around 400ms(milli-seconds) after repeated presented settings and the P600 effect refers to the fact the unexpected words will cause very high level of positive potentials around 600ms. Verbal linguists proposed two hypothetical effects on ERP responses to of verbal instructional stimuli using EEG measurement data. Let's look at the relation between the phrase 'a type of fish' and a word 'dolphin'. Subjects are looking forward to a type of fish, say 'salmon', and when they hear something other than a fish, then their expectation makes a mis-match with this latest word, 'dolphin'. Let's look at another case for P600. P600 effects are considered as brain wave responses which reflect the cognitive effort to process the stimulus information that is difficult to handle with. What if 'a type of fish' is followed by 'starfish' or 'catfish'? N400 effect for the former, P600 for the latter, for sure. This paradigm using brainwave measurements has become prevalent both in the area of verbal information processing and in the area of visual information processing. Sitnikova et. al (2003) and Niel Cohn ( applied this

paradigm to short video clips and comic strips. The former, video clips or dynamic images are more naturalistic in a continuous flow, while the latter, pictures or graphics in the form of static images are less naturalistic.

**Methods:** The cognitive model of multimedia learning compares perceptual information through different channels with the topical semantic information already in the working memory. It is expected that this semantic topic process is to collate the provisional topic with newly incoming video elements. The renewal or updating process of the provisional topic by viewers must be a complex cognitive process of integrating the results of the processing of audiovisual elements that are newly introduced with this complex of provisional topic and pre-processed audiovisual elements supporting the topic. Research literature on the video summarization indicates importance of the development of an un-obtrusive method of gathering external information of video users (Z. Lu and K. Grauman,, 2013; W. Ren and Y. Zhu,, 2008; A. Porselvi and S. Gunasundari, 2013). The analysis of event-related potentials (ERP) is such a method which extracts only a result of reaction with respect to certain stimuli from the brain waves.

**Findings and Implications:** We looked at the main effect of topic-relevant and their interaction effects with electrodes position with regard to N400 and P600 effects. At the statistical significant level of 0.05, we observed greater maximum potentials at the left prefrontal cortex (FP1,  $t = 6.930$ ,  $p = 0.013$ ), the left, right, and middle central lobes (C3,  $t = 4.670$ ,  $p = 0.039$ ; Cz,  $t = 9.818$ ,  $p = 0.004$ ; C4,  $t = 10.549$ ,  $p = 0.003$ ), and the right and middle frontal-central lobes (FC4,  $t = 7.370$ ,  $p = 0.011$ ; FCz,  $t = 6.541$ ,  $p = 0.016$ ) of brain wave responses to topic-relevant shots, compared with topic-irrelevant shots. The right parietal and right temporal-parietal lobes (P8,  $t = 4.483$ ,  $p = 0.043$ ; TP8,  $t = 5.326$ ,  $p = 0.028$ ) also showed P600 effects. Several contributions could be identified. First, it is indisputable to further attempt this sort of ERP analysis of the EEG data during continuous viewing session using topic-relevance ratings from still image testing. Second, the most puzzling finding was the strongest effect size of N400 and P600 at prefrontal lobe. Third, the baseline of butterfly plot of the EEG data during video viewing session was somewhat unstable, compared to the baseline figure of the butterfly plot of the EEG data during the test frame.

### Communication (1)

**Wednesday, February 8, 2017      09:00-10:30      Room 1**

Session Chair: *Prof. Lusia Savitri Setyo Utami*

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#### **SICSSAM-1363**

##### **The Use of Embargo Right in Context of Media Relations**

Birgitta Bestari Puspita Jati | *Universitas Atma Jaya Yogyakarta*

Pupung Arifin | *Universitas Atma Jaya Yogyakarta*

#### **SICSSAM-1398**

##### **Early Adolescent Behavior on Media toward Idol Figure (Parasocial Study on Preliminary Youth as an Effect of New Media)**

Yugih Setyanto | *Tarumanagara University*

Septia Winduwati | *Tarumanagara University*

Lusia Savitri Setyo Utami | *Tarumanagara University*

#### **SICSSAM-1346**

##### **#OppaNoticeMe: The Influence of an Idol Instagram Account on Sasaeng Behavior**

June Marie Leal | *Texas State University*

Dorothy Nikole Smith | *Texas State University*

#### **SICSSAM-1396**

##### **A Study of Tai Nüa Tones, Tai dialect Spoken in Liang He of Yunnan Province**

Yu Xu | *Khon Kaen University*

Supakit Buakaw | *Khon Kaen University*

#### **SICSSAM-1409**

##### **Central Thai Dialect of Phran-Kratai District Kampangetch Province**

Papitchaya Suriya | *KhonKaen University*

Supakit Buakaw | *KhonKaen University*

## Civil Engineering / Environmental Engineering

Wednesday, February 8, 2017      09:00-10:30      Room 2

Session Chair: *Prof. Sakonwan Hanjitsuwan*

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### **SICEAS-662**

#### **Effect of Calcium Carbide Residue as Promoter on Compressive Strength of Fly Ash Geopolymer**

Sakonwan Hanjitsuwan | *Lampang Rajabhat University*

Tanakorn Phoo-Ngernkham | *Rajamangala University of Technology Isan*

Nattapong Damrongwiriyanupap | *University of Phayao*

Prinya Chindapasirt | *Khon Kaen University*

### **SICEAS-663**

#### **Effect of Nano-SiO<sub>2</sub> and Nano-Al<sub>2</sub>O<sub>3</sub> as an additive on Bonding Strength between Alkali-Activated Binders and Concrete Substrate**

Tanakorn Phoo-Ngernkham | *Rajamangala University of Technology Isan*

Sakonwan Hanjitsuwan | *Lampang Rajabhat University*

Satakhun Detphan | *Rajamangala University of Technology Isan*

Chayakrit Phetchuay | *Rajamangala University of Technology Isan*

Nattapong Damrongwiriyanupap | *University of Phayao*

### **SICEAS-690**

#### **Urban Invisibility- Slums in a Post COP-21 World**

José Rafael Núñez Collado | *National Central University*

Han-Hsiang Wang | *National Central University*

### **SICEAS-813**

#### **A Virtual Simulation Prototype for Predicting and Quantifying Spatial Conflicts in Construction Workflow Processes**

Swee Yang Low | *National University of Singapore*

DKH Chua | *National University of Singapore*

**SICEAS-637**

**Effects of Electron Recovery from Sediment on Sediment and Water Environments**

Narong Touch | *Hiroshima University*

Nobutaka Kinjo | *Hiroshima University*

Tadashi Hibino | *Hiroshima University*

Hiroki Takata | *Hiroshima University*

**SICEAS-672**

**Removal of COD and Color in Stabilized Landfill Leachate through Ozonation with Zirconium Tetrachloride**

Hamidi Abdul Aziz | *Universiti Sains Malaysia*

Siti Nor Farhana Zakaria | *Universiti Sains Malaysia*

**SICEAS-764**

**Velocity Distribution at Transversal Direction in Suspended Sediment Flow with and Absence of Bed Load**

Fransiska Yustiana | *Institut Teknologi Nasional*



## Applied Sciences (1)

Wednesday, February 8, 2017      09:00-10:30      Room 3

Session Chair: *Prof. Bhimrao Janardan Patil*

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### **SICEAS-636**

#### **Plantation Management and Improvement with No Cost Irrigation Technology**

Bhimrao Janardan Patil | *Shivaji University, Kolhapur*

### **SICEAS-784**

#### **Guaranteed Cost Control of Linear Systems with Interval Non-Differentiable Time-Varying Delays**

Chanikan Emharuethai | *Maejo University*

### **SICEAS-666**

#### **Phytochemical Compounds and Cytotoxicity Test of Surian Leaves (*ToonaSinensis*) Extracts Using Vero and MCF-7 Cells**

Didit Haryadi | *Sinar Antjol Company*

Rini Arianti | *STKIP Muhammadiyah Bangka Belitung*

Syamsul Falah | *Bogor Agricultural University*

Popi Asri Kurniatin | *Bogor Agricultural University*

### **SICEAS-698**

#### **Surface Engineering of Porous Alumina Membrane for Biosensing Application**

Abdul Mutalib Md Jani | *Universiti Teknologi MARA*

Abdul Hadi Mahmud | *Universiti Teknologi MARA*

Mohd Tajudin Mohd Ali | *Universiti Teknologi MARA*

### **SICEAS-664**

#### **Change Challenges the Teacher HAMK's Electrical and Automation Education Develops in a Study Modules**

Lea Mustonen | *Häme University of Applied Sciences*

Susan Heikkilä | *Häme University of Applied Sciences*

Antti Aimo | *Häme University of Applied Sciences*

## **Biomedical Engineering / Chemical Engineering**

**Wednesday, February 8, 2017      11:00-12:00      Room 3**

Session Chair: *Prof. Cheng-An J. Lin*

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### **SICEAS-733**

#### **Aggregation-induced Fluorescence of Alkanethiolate Gold Nanoclusters Complex and Its Potential Use in Biomedicine**

Cheng-An J. Lin | *Chung Yuan Christian University*

Po-Wen Li | *Chung Yuan Christian University*

Jhih-Liang Li | *Chung Yuan Christian University*

Tzu-Yin Hou | *Chung Yuan Christian University*

Karl Michael B. Dizon | *Mapua Institute of Technology*

### **SICEAS-730**

#### **Bioconjugation and Assembly of Fluorescent Gold Nanoclusters Monitored by Gel Electrophoresis**

Tzu-Yin Hou | *Chung Yuan Christian University*

Fang-Yu Shao | *Chung Yuan Christian University*

Xi-Yu Chen | *Chung Yuan Christian University*

Felicia Boendadjaja | *Chung Yuan Christian University*

Cheng-An J. Lin | *Chung Yuan Christian University*

### **SICEAS-774**

#### **Application of Heat-Moisture Treated Canna Starch in Cream Soup Product**

Juraluck Juansang | *King Mongkut's University of Technology Thonburi*

Santhaneer Pancha-Arnon | *King Mongkut's University of Technology Thonburi*

Dudsadee Uttapap | *King Mongkut's University of Technology Thonburi*

Chureerat Puttanlek | *Silpakorn University*

Vilai Rungsardthong | *King Mongkut's University of Technology Thonburi*

## Education (1)

**Wednesday, February 8, 2017      12:45-14:15      Room 1**

Session Chair: *Prof. Karen Schmalz*

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### **APCESP-1801**

#### **Making the Connection: An Approach to Linking Theory and Practice in a Special Education Internship Program**

Karen Schmalz | *Geneva College*

Elizabeth G. Belcastro | *Geneva College*

### **APCESP-1869**

#### **Virtual Community Design and Development: Self-Directed versus Structured Intent**

Bob Barrett | *American Public University*

### **APCESP-1820**

#### **Determining the Predictors of Math Performance Using Rasch Analysis**

Janneth Alcantara Ong | *Xavier University*

Jovelyn Gumatay Delosa | *Xavier University*

### **APCESP-1824**

#### **The Genre-Based Writing Approach in Developing EFL Students' Writing Ability in a Thai University**

Pichamon Jamrassri | *Aussumption University*

### **APCESP-1866**

#### **Portraits of International Educational Leaders**

Fenwick W. English | *University of North Carolina at Chapel Hill*

Lisa Catherine Ehrich | *Queensland University of Technology*

## Communication (2)

**Wednesday, February 8, 2017      12:45-14:15      Room 2**

Session Chair: *Prof. Amida Yusriana*

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### **SICSSAM-1489**

**Rebuilding the Caring Sense of Parents-Children Relationship by Sehangat Kasih, Sebesar Perhatian Movie for Berbakti Application**

Amida Yusriana | *Dian Nuswantoro University*

Arkav Juliandri | *XL Axiata*

Ann Margareth | *XL Axiata*

### **SICSSAM-1456**

**Indonesian Figure in *Balibo Five* Film**

Nalal Muna | *Polytechnic of APP Jakarta*

### **SICSSAM-1478**

**The Quality of Communication Skills in Pharmacy Practice, Surabaya City Indonesia**

Krismala Djayanti | *Universitas Airlangga*

Conita | *Universitas Airlangga*

## **Applied Sciences (2) / Power & Energy Engineering**

**Wednesday, February 8, 2017      12:45-14:15      Room 3**

Session Chair: *Prof. Rajendra Rayappa Kumbha*

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### **SICEAS-760**

**Study of Pongamia pinnata and Jatropha Curcas Linn Oil Biodiesel Synthesized by Using Waste Eggshell Catalyst: Emission and Performance Characterization of VCR Engine with Different Blends**

Rajendra Rayappa Kumbha | *Rajarshi Chhatrapati Sahu College, Kolhapur(MS)*

Supriya B. Chavan | *Rajarshi Chhatrapati Sahu College, Kolhapur(MS)*

### **SICEAS-681**

**Performance of Sediment Microbial Fuel Cells in a Coastal Region Affected by Wastewater Discharge**

Nobutaka Kinjo | *Hiroshima University*

Touch Narong | *Hiroshima University*

Tadashi Hibino | *Hiroshima University*

Satoshi Yamaji | *Hiroshima University*

### **SICEAS-768**

**An Analysis of Theories Related to Experiential Learning for Practical Ethics in Science and Technology**

Suma Parahakaran | *Sathya Sai Academy / Singapore Academy of Educational Excellence*

### **SICEAS-717**

**The Study of Direct-Contact Drying Conditions of Arabica Coffee Bean**

Sindoem Deeto | *King Mongkut's University of Technology Thonburi*

Sirichai Thepa | *King Mongkut's University of Technology Thonburi*

Veerapol Monyakul | *King Mongkut's University of Technology Thonburi*

Roongrojana Songprakorp | *King Mongkut's University of Technology Thonburi*

## Education (2)

Wednesday, February 8, 2017      14:30-16:00      Room 1

Session Chair: *Prof. Brenda Hui-Lin Hsieh*

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### SICSSAM-1374

#### **Exploring Students' Professional Skills Required in Tourism Industry from Employers' Point of Views**

Brenda Hui-Lin Hsieh | *Wu-Feng University*

### SICSSAM-1322

#### **Learning Styles in Foreign Language Learning of Undergraduate Students in Thailand**

Saneh Dechawongse | *Dhurakij Pundit University*

### SICSSAM-1462

#### **Explorative Learning with Picture Books: Compare the Practice of Early Childhood Teachers in Hong Kong and Shenzhen**

Christina Chung Wai Han | *Education University of Hong Kong*

Vivienne Leung | *Education University of Hong Kong*

### SICSSAM-1321

#### **The Relation between the Use of Foreign Language Learning Styles and Learning Outcome of Undergraduate Students in Thailand**

Somporn Gomaratut | *Dhurakij Pundit University*

### SICSSAM-1488

#### **English Language Instruction among Higher Education Institutions in Negros Occidental: Basis for Total Quality Management Based Intervention**

Maylin Margallo Tongcua | *La Carlota City College*

### APCESP-1840

#### **An Approach for Students to Start Using the Visual Concept Map**

Hanafizan Hussain | *Multimedia University*

## Management (1)

Wednesday, February 8, 2017      14:30-16:00      Room 2

Session Chair: *Prof. Michiko Miyamoto*

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### SICSSAM-1339

#### **Measuring Managers' and Professionals' Perceptions and Attitudes towards Information and Communication Technology Projects in Japan**

Michiko Miyamoto | Akita Prefectural University

### SICSSAM-1377

#### **Construction of "Happiness" in Programmed Birthday Wishes: A Study in Accordance with Critical Discourse Analysis**

Thinnawat Sroikudrua | Khon Kaen University

Wirat Wongpinunwatana | Khon Kaen University

### SICSSAM-1317

#### **The Influence of Leadership and Quality of Work Life on Organizational Commitment of the Northeastern Rajabhat Universities' Education Professionals in Thailand**

Panitee Karnsomdee | *Kasetsart University Chalermphrakiat Sakon Nakhon Province Campus*

Jitti Kittilertpaisan | *Sakon Nakhon Rajabhat University*

### SICSSAM-1334

#### **Discrepant Understanding of Diversity Policy within an Organization According to Functions and Hierarchies**

Inju Yang | *EDC Paris Business School*

Sabine Bacouel-Jentjens | *ISC Paris Business School*

### SICSSAM-1404

#### **Social Ties as a Way to Alleviate the Effect of Challenge Stress, Enhance Motivation, and Performance: Theoretical Evidence**

Solomon Agbanyo | *Pai Chai University*

**SICSSAM-1479**

**Corporate Social Responsibility Strategy and Firm Performance through Employee  
Commitment: A Case Study of Hotel Business in Thailand**

Nishapan Intarapanich | *Kasetsart University*

Colin C.H. Law | *Prince Songkla University Phuket Campus, Thailand*



# Materials Science and Engineering / Electrical and Electronic Engineering

Wednesday, February 8, 2017      14:30-16:00      Room 3

Session Chair: *Prof. Sasithorn Udpin*

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## SICEAS-598

### Compact Log-Periodic Dipole Antenna

Diawuo Henry Abu | *Hanbat National University*

Dzagbletey Philip Ayiku | *Hanbat National University*

Anim Kyei | *Hanbat National University*

Afoakwa Samuel | *Hanbat National University*

Young-Bae Jung | *Hanbat National University*

## SICEAS-706

### Ag-Doped TiO<sub>2</sub> Compact Layer Enhanced Photovoltaic Performance of Perovskite Solar Cells

Ying-Han Liao | *Chang Gung University*

Shun-Hsiang Chan | *Chang Gung University*

Tzu-Hao Lin | *Chang Gung University*

Ming-Chung Wu | *Chang Gung University*

## SICEAS-707

### Visible Light Active Silver-Ion Doped TiO<sub>2</sub> Photocatalyst

Yu-Han Liao | *Chang Gung University*

Po-Yeh Wu | *Chang Gung University*

Ting-Han Lin | *Chang Gung University*

Ming-Chung Wu | *Chang Gung University*

## SICEAS-704

### Bismuth Doping Effect on Crystal Structure and Photocatalytic Activity of Bi-TiO<sub>2</sub> NPs

Yin-Hsuan Chang | *Chang Gung University*

Ting-Han Lin | *Chang Gung University*

Ming-Chung Wu | *Chang Gung University*

**SICEAS-789**

**Robust Exponential Stability for Uncertain Discrete-Time Neural Networks with Time-Varying Delays**

Eakachai Suntonsinsoungvon | *Kasetsart University*

Sasithorn Udpin | *Kasetsart University*

**SICEAS-791**

**Design Computer Backup Power Rated 500 VA Using a Supercapacitor Power Supply**

Prasit Phoosomma | *Dhonburi Rajabhat University*

Nattakom Paisarnwatyot | *Dhonburi Rajabhat University*

Prayut Nisapakul | *Dhonburi Rajabhat University*

Wolawit Leerawan | *Dhonburi Rajabhat University*

Surachart Leeragreephol | *South Bangkok Combined Cycle Power Plant II*

## Psychology (1)

Wednesday, February 8, 2017      16:15-17:45      Room 1

Session Chair: *Prof. Inayatul Wahidah*

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### APCESP-1836

#### **Social Learning Approach to Adolescents Mother in East Java**

Icchami Tasya Wardhana | *Universitas Airlangga*

Inayatul Wahidah | *Universitas Airlangga*

### APCESP-1782

#### **A Preliminary Study on Predicting Teachers' Mental Health: Contributions of Work Family Conflict**

R Zirwatul Aida R Ibrahim | *Universiti Malaysia Terengganu*

Azlina Abu Bakar | *Universiti Malaysia Terengganu*

Mazidah Mohd Dagang | *Universiti Malaysia Terengganu*

Siti Nazilah Mat Ali | *Universiti Malaysia Terengganu*

Khatijah Omar | *Universiti Malaysia Terengganu*

### APCESP-1802

#### **Assessment of the Symmetry Relation in Humans and Nonhuman Primates: A Prevalent Encoding of the Information on Stimulus Ordering Can Explain Failures during Symmetry Testing**

Joël Fagot | *Aix-Marseille University and CNRS*

Tiphaine Medam | *Aix-Marseille University and CNRS*

Malassis Raphaëlle | *Aix-Marseille University and CNRS*

### SICSSAM-1386

#### **Islamic Parenting of Psychology**

Harali Syarajiva | *Universitas Islam Indonesia*

Inda Lestari | *Universitas Islam Indonesia*

### SICSSAM-1323

#### **The Development of Experiential Learning Model for Self Development Enhancement of Rajabhat University Students**

Anchalee Sangarwut | *Suratthani Rajabhat University*

**APCESP-1864**

**The Moderating Role of Stress Management on the Relationship between Information Overload Syndrome and Performance of Universiti Utara Malaysia Postgraduate Students**

Saralah Devi Mariamdarani | *Universiti Utara Malaysia*

Arsaythamby A/L Veloo | *Universiti Utara Malaysia*

## Management (2)

**Wednesday, February 8, 2017      16:15-17:45      Room 2**

Session Chair: *Prof. Bob Barrett*

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### **SICSSAM-1496**

#### **Creating Knowledge Management Programs/Concentrations for Today's Masters of Business Administration (MBA) in the Online Learning Environment**

Bob Barrett | *American Public University*

### **SICSSAM-1549**

#### **Graveyard Shift in Business Process Outsourcing (BPO) Filipino Employees' Performance: Inputs to Intervention Measures**

Elizabeth E. Soriano | *Eulogio "Amang" Rodriguez Institute of Science & Technology*

### **SICSSAM-1458**

#### **The Analysis of Organizational Environment on Cibinong Science and Technology Park (C-STP)**

Anang Hidayat | *Center for Innovation-Indonesian Institute of Sciences*

Mahardhika Berliandaldo, SE. | *Center for Innovation-Indonesian Institute of Sciences*

### **SICSSAM-1475**

#### **Mapping of Management Strategic in Improving Herbal Medicine Industry Competitiveness**

Ferianto, S.Si. | *Center for Innovation-Indonesian Institute of Sciences*

Mahardhika Berliandaldo, SE. | *Center for Innovation-Indonesian Institute of Sciences*

### **SICSSAM-1476**

#### **Technology Transfer Management in Pharmaceutical Industry through Freedom to Operate (FTO) Utilization**

Ferianto, S.Si. | *Center for Innovation-Indonesian Institute of Sciences*

Mahardhika Berliandaldo, SE. | *Center for Innovation-Indonesian Institute of Sciences*

### **SICSSAM-1624**

#### **Current Trends in the International Business Environment**

Anura Amarasena | *Woosong University*

# **Computer Engineering and Technology / Information**

## **Engineering and Technology**

**Wednesday, February 8, 2017      16:15-17:45      Room 3**

Session Chair: *Prof. Irasema Carrera Muñoz*

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### **SICEAS-676**

#### **A Mathematical Fuzzy Model for a Provider Selection in Supply Chain**

Irasema Carrera Muñoz | *Technological University of Xicotepec de Juarez*

Dante Oziel Rosales Díaz | *Technological University of Xicotepec de Juarez*

Deiner Mena Waldo | *Universidad de Oviedo*

### **SICEAS-622**

#### **An Efficient Approach for Evaluating the Sustainability of a Factory Simulation Model**

Tin-Chih Toly Chen | *Feng Chia University*

### **SICEAS-671**

#### **Computer Simulations Suggest for the Vibration-Type MEMS-Viscosity Sensor with Spiral Beams**

Seungchol Choi | *Shinshu University*

Mikio Horie | *Tokyo Institute of Technology*

### **SICEAS-609**

#### **Driver's State Alert Function by using Facial Expression Classification in Cooperation with Artificial Intelligence**

Masahiro Miyaji | *Aichi Prefectural University*

### **SICEAS-736**

#### **Implementation of Color and Texture Based Analysis for Identification of Disease on Leaves Soybean Image Using LVQ Neural Network**

Candra Dewi | *University of Brawijaya*

## **SICEAS-825**

### **An Extension to GnuTutor**

Ray I Kresman | *Bowling Green State University*

Arjun Upadhyaya | *Bowling Green State University*

## **SICEAS-858**

### **Interactive Placement Method for Container Loading Problem Using Depth Camara**

Ninan K. G, Nasution | *Seoul National University*

Philjun, Moon | *Seoul National University*

Abdallah J., Dweekat | *Seoul National University*

Jinwoo, Park | *Seoul National University*

## Psychology (2)

Wednesday, February 9, 2017      09:00-10:30      Room 1

Session Chair: *Prof. Agus Santoso*

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### SICSSAM-1421

#### **The Effect of Emotion Writing *Ekphrasis* towards Emotion Regulation of Prospective Teacher**

Agus Santoso | *UIN Sunan Ampel Surabaya*

### APCESP-1857

#### **Emotional Intelligence among Helping Professionals in Malaysia: An Exploratory Pilot Study**

Ida Hartina Ahmed Tharbe | *University of Malaya*

Melati Sumari | *University of Malaya*

Norsafatul Aznin A. Razak | *University of Malaya*

### SICSSAM-1420

#### **Self Student Integrity Cultivation (SSIC) through Parenting Method with *Lacrimation* Process to Balance SQ (Spiritual Quantity), IQ (Intelligence Quantity) and EQ (Emotional Quantity)**

Regina Zahara | *International Islamic Education Council*

Miftahussururi | *International Islamic Education Council*

### APCESP-1907

#### **Impact of Psychological Counselling on Posttraumatic Stress Disorder Victims of Rana Plaza Tragedy**

Lipy Gloria Rozario | *University of Dhaka*

Anne Anthonia Baroi | *BRAC University*

Shaheen Islam | *University of Dhaka*



**APCESP-1906**

**Correlation of Parenting Style toward Trends in Depression**

Putu Agung Sri Devi | *Udayana University*

Ni Made Ari Wilani | *Udayana University*

Ni Putu Natalya | *Udayana University*

## Society (1)

**Thursday, February 9, 2017      09:00-10:30      Room 2**

Session Chair: *Prof. Sangwon Jong*

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### **APCESP-1835**

**The Impact of the Sources of Job Stress for Social Workers on Contextual Performance: Comparison between Social Workers in the Non-Profit Sector and the Public Sector**

Sangwon Jong | *Seoul Cyber University*

### **SICSSAM-1373**

**A Paradigm for a Stakeholders' Value-Oriented Service Design Methodology**

Pei-Chen Tsai | *National Chiao-Tung University*

Yi-Shin Deng | *National Taiwan University*

Ming-Chuen Chuang | *National Chiao-Tung University*

### **SICSSAM-1406**

**Effects of Youth Maltreatment Experiences on the School Adjustment (Mediating Effects of Self-Esteem)**

YoungKwang Lee | *Keimyung University*

Seung Jae Oh | *Keimyung University*

Eungu Ji | *Keimyung University*

### **SICSSAM-1379**

**Language Usage in Naming the Districts in the Central Region of Thailand**

Nuengruthai Pankaew | *Khon Kaen University*

### **SICSSAM-1407**

**Review on Abuse and Neglect of Elderly in Nursing Homes**

Nur Liyana Amirah Ab. Rahman | *University Malaysia Kelantan*

Hasif Rafidee Bin Hasbollah | *University Malaysia Kelantan*

Mohd Firdaus Bin Mohd Nasir | *University Malaysia Kelantan*

Nur Nabillah Binti Noor Azman | *University Malaysia Kelantan*

Nik Muhammad Faris Bin Nik Nordin | *University Malaysia Kelantan*

Muhammad Aizat Bin Mat Ibrahim | *University Malaysia Kelantan*

**SICSSAM-1417**

**The Behaviour Towards Retirement Planning: A Study on Young Professional in the City of Shah Alam, Malaysia**

Nur Lalua Rashidah Mohd Rahsiad | *Management and Science University*

Nanthini Segar | *Management and Science University*

Noranisah Abdul Gaffar | *Management and Science University*

## Education (3)

Thursday, February 9, 2017

10:45-12:15

Room 1

Session Chair: *Prof. Sasithorn Soparat*

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### APCESP-1891

**TLPACK (Technology, Learner, Pedagogy, Academic Discipline Content, Context Knowledge): A New Perspective to Explore Teachers' Teaching Knowledge and Competence**

Yen-Jung Chen | *National Kaohsiung University of Hospitality and Tourism*

Li-Wei Hsu | *National Kaohsiung University of Hospitality and Tourism*

### APCESP-1855

**Who Benefits from the Internship? The Analysis of Hospitality Students' Personality Traits in Relation to Their Perception towards the Experience of Internship and Employment Aspiration**

Hsin-Ling Tsai | *National Kaohsiung University of Hospitality and Tourism*

Li-Wei Hsu | *National Kaohsiung University of Hospitality and Tourism*

### APCESP-1825

**Developing ICT Literacy and Teaching Competency of ICT Project-Based Learning for Intern Science Teachers**

Sasithorn Soparat | *Rajabhat Phranakorn University*

Jintana Na-Songkhla | *Rajabhat Phranakorn University*

### APCESP-1830

**The Implementation of STEM Activities on the Earth Science Learning Unit to Enhance Pre-Service Students' Critical Thinking Skills**

Apichart Payakkhin | *Rajabhat Phranakorn University*

### APCESP-1821

**The Predictive Value of the Philippine Aptitude Test for Teachers (PATT) on Academic Performance in Teacher Education**

Jovelyn Gumatay Delosa | *Xavier University*

Edralin Cañedo Manla | *Xavier University*

## Society (2) / Politics

Thursday, February 9, 2017

10:45-12:15

Room 2

Session Chair: *Prof. Ponlakirt Sangarwut*

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### SICSSAM-1324

#### **The Evaluation of Campaign for Hundred Percent Wearing Helmets Both Riders and Pillion Passengers in SuratThani Municipality, SuratThani**

Ponlakirt Sangarwut | *Suratthani Rajabhat University*

### SICSSAM-1527

#### **The Effect of Information, Education and Communication (IEC) Channels on the Use of Family Planning Methods in Indonesia**

Sukarno Sono | *National Population and Family Planning Board (BKKBN)*

Nur Laila Meilani | *Universitas Riau*

Sri Wahyuni | *National Population and Family Planning Board (BKKBN)*

Nurhadi Wiyono | *University of Indonesia*

### SICSSAM-1538

#### **The Attraction and Satisfaction of Old Street to Tourists - A Case Study of Tai-Ping Old Street, Dou-Liu**

Wen-Chuan Ho | *Overseas Chinese University*

Men-Li Huang | *TransWorld University*

Mei-Hua Chen | *National Chang-Hua University of Education*

Wan-Chi Lu | *National Chang-Hua University of Education*

### SICSSAM-1408

#### **Consciousness about Healthy Diet among Urban Society in Peninsular Malaysia**

Nur Nabillah Binti Noor Azman | *University Malaysia Kelantan*

Hasif Rafidee Bin Hasbollah | *University Malaysia Kelantan*

Nurul Hafizah Binti Mohd Yasin | *University Malaysia Kelantan*

Nur Liyana Amirah Binti Ab Rahman | *University Malaysia Kelantan*

Nik Muhammad Faris Bin Nik Nordin | *University Malaysia Kelantan*

**SICSSAM-1314**

**Explaining the Gender Gap in the Japanese Lower House Elections, 1996-2012**

Miyuki Kubo | *Texas Tech University*

Aie-Rie Lee | *Texas Tech University*

**APCESP-1785**

**Two Generations of Feminist Activism in Post-Socialist China: Counting and Understanding the Differences**

Qi Wang | *University of Southern Denmark*

## Education (4)

Thursday, February 9, 2017

13:00-14:30

Room 1

Session Chair: *Prof. Judith Salvador Calamayo*

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### SICSSAM-1326

#### **Performance of Teacher Education Students in Demonstration Teaching in the College of Education for SY 2010 – 2011 to 2013 – 2014**

Judith Salvador Calamayo | *Northwest Samar State University*

Helen Serrato Cabral | *Northwest Samar State University*

Wilfredo Almazar Aurea | *Northwest Samar State University*

Maria Lucil Hibaya Dollado | *Northwest Samar State University*

Peter Anthony Cui Petilla | *Northwest Samar State University*

Ma. Cleta A Santos | *Northwest Samar State University*

Perpetuo Cano Epilogo | *Northwest Samar State University*

Bella Balon Delos Reyes | *Northwest Samar State University*

Modesto Maloloy-On Maniable | *Northwest Samar State University*

### SICSSAM-1260

#### **Comparing and Validating the Concepts of Service Personal Values and Service Value from the Customer's Perspective in Higher Education**

Wan Salmuni Wan Mustaffa | *Universiti Pendidikan Sultan Idris*

Rafiduraida Abdul Rahman | *Universiti Pendidikan Sultan Idris*

Suraini Mohd Rhouse | *Universiti Pendidikan Sultan Idris*

Hariyaty Ab Wahid | *Universiti Pendidikan Sultan Idris*

### SICSSAM-1517

#### **Supervisor-Student Relationship Effect to Doctoral Completion**

Montri Watthanapradith | *Prince of Songkla University, Pattani Campus*

Phattrawan Tongkumchum | *Prince of Songkla University, Pattani Campus*

### SICSSAM-1544

#### **The Influence of Exercise Bosu Single Leg Balance and Bosu Lateral Lunges with Single Leg Balance to Balance and Agility**

Nanik Indahwati | *State University of Surabaya*

Nurhasan | *State University of Surabaya*

Lucy Wydia Fathir | *State University of Surabaya*

**APCESP-1783**

**Digital Tablets and Teacher's Workload**

Jean Simon | *Université de La Réunion*

**APCESP-1887**

**The Role of School Management Teams in Dealing with the HIV/AIDS Endemic at Schools**

Nomshado Matselane | *Central University of Technology*

Thekowakgotla Mosea | *Free State Department of Education*



## Culture

**Thursday, February 9, 2017      13:00-14:30      Room 2**

Session Chair: *Prof. Margie Royo Atizardo*

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### **SICSSAM-1464**

#### **Restoration Program of the Cape Santiago Lighthouse in Batangas, Philippines: Inputs to a Proposed Preservation Plan**

Margie Royo Atizardo | *Eulogio “Amang” Rodriguez Institute of Science and Technology*

### **SICSSAM-1344**

#### **Which Competence? A Comparative Analysis of Culture-Specific vs. Culture-Generic Intercultural Competence Development**

Stefanie Alexa Stadler | *Nanyang Technological University*

### **SICSSAM-1490**

#### **Fertility Dance Festival in Obando, Bulacan: Inputs to Culture Preservation Model**

Romeo Diaz Lim | *Eulogio “Amang” Rodriguez Institute of Science and Technology*

## Management (3)

**Thursday, February 9, 2017      14:45-16:15      Room 1**

Session Chair: *Prof. Grant B. Cornell*

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### **SICSSAM-1556**

#### **Factors Preventing Chance of Employees Promotion: Basis for Proposed Training Model**

Grant B. Cornell | *Eulogio “Amang” Rodriguez Institute of Science and Technology*

### **SICSSAM-1460**

#### **Tourist Perception towards Travel Risk in the Philippines: Basis for Travel Security and Safety Measures**

Celia Elias Carino | *Eulogio “Amang” Rodriguez Institute of Science and Technology*

### **SICSSAM-1411**

#### **An Investigation on the Moderating Effects of Psychological Contract on the Relationship between Personal-Job Fit and Contextual Performance: A Comparison of Social Workers in the Non-Profit Sector and Public Sector**

Eunjee Song | *University of Illinois Urbana-Champaign*

Sang-Won Jong | *Seoul Cyber University*

### **SICSSAM-1582**

#### **Application of Payment for Environmental Services in the Forest Community with REDD + Mechanism**

Khatimatus Sa’adah Lusman | *Bogor Agricultural University*

Britty Datin Hasna Afaf | *Bogor Agricultural University*

# Mechanical Engineering and Technology (1)

Thursday, February 9, 2017      14:45-16:15      Room 2

Session Chair: *Prof. Jung-Chang Wang*

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## SICEAS-635

### **Thermal Management of High-Brightness Materials**

Jung-Chang Wang | *National Taiwan Ocean University*

## SICEAS-652

### **Laboratory Study on Jet Installation Noise Effects by Designing and Using a 3D Microphone Array**

Michael Bauer | *Airbus Group Innovations*

Daniel Redmann | *Airbus Group Innovations*

## SICEAS-675

### **New Methodology for Designing Direct-Laser-Sintered Motorcycle Frame Based on Combination of Topology Optimization and Lattice Implementation**

Thanh Binh Cao | *University of Luxembourg*

Slawomir Kedziora | *University of Luxembourg*

## SICEAS-729

### **Flow and Heat Transfer of High Aspect-Ratio Rectangular Cavity Driven by Natural Convection**

Juhee Lee | *Hoseo University*

Yongjun Lee | *BEL Technology*

## SICEAS-734

### **Experimental Investigations in a Circular Pipe to Enhance Forced Convection Heat Transfer Using Wire-Net Porous Inserts**

Rapeepong Peamsuwan | *King Mongkut's University of Technology Thonburi*

Nat Kasayapanand | *King Mongkut's University of Technology Thonburi*

Bundit Krittacom | *Rajamangala University of Technology Isan*

## **Economy / Finance**

**Thursday, February 9, 2017      16:30-18:00      Room 1**

Session Chair: *Prof. Diena Noviarini*

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### **SICSSAM-1432**

#### **The Impact of Corporate Governance on Cost of Debt in Thailand**

Thatphong Awirothananon | *Maejo University*

Sathaya Thanjunpon | *Maejo University*

### **SICSSAM-1435**

#### **Cultivate Self Essence through Subconscious Mindset-Changing to Increase the Quality of Work and Improve the Economy in Indonesia**

Halima Tusadiah | *International Islamic Education Council*

Apriliani Mohamad Taufik | *International Islamic Education Council*

### **SICSSAM-1537**

#### **Payment Balance of Mongolia and Its Impact on Economic Independence**

Azbayar Terbish | *Mongolian University of Life Science*

Tuul Sukhbaatar | *Defense University of Mongolia*

### **SICSSAM-1563**

#### **The Determinants of Corporate Credit Rating in Mongolian Stock Exchange**

Munkhtsetseg Sandagsuren | *Mandakh Burtgel University*

### **SICSSAM-1578**

#### **Finance–Growth Nexus in China**

William W. Chow | *Hong Kong SAR Government*

Michael K Fung | *Hong Kong Polytechnic University*

### **SICSSAM-1288**

#### **The Effect of Accounting Information Systems and Cost of Expert Systems Implementation to Management Performance**

Diena Noviarini | *State University of Jakarta*

Rida Prihatni | *State University of Jakarta*

Nuramalia Hasanah | *State University of Jakarta*

Yunika Murdayanti | *State University of Jakarta*

**SICSSAM-1584**

**Factors Affecting the Economic Viability of the Coffee Industry in Ifugao**

Jennifer Madonna G. Dait | *Ifugao State University*

# Mechanical Engineering and Technology (2) / Aeronautics & Aerospace Engineering

Thursday, February 9, 2017      16:30-18:00      Room 2

Session Chair: *Prof. Lih-Wu Hourng*

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## SICEAS-629

### **Parametric Analysis of Water Electrolysis by Dual Electrolytes and Cells**

Lih-Wu Hourng | *National Central University*

Kai-Lin Choi | *National Central University*

Ming-Yuan Lin | *Army Academic College*

## SICEAS-779

### **Synchronization for General Complex Dynamical Networks with Hybrid Couplings via Sampled-Data Control**

Narongsak Yotha | *Rajamangala University of Technology Isan*

Kanit Mukdasai | *Khon Kaen University*

Thongchai Botmart | *Khon Kaen University*

## SICEAS-782

### **Exponential Function Projective Synchronization for Neural Networks with Mixed Time-Varying Delays via Hybrid Intermittent Feedback Control**

Prem Junsawang | *Khon Kaen University*

Thongchai Botmart | *Khon Kaen University*

Supreecha Wongaree | *Udon Thani Rajabhat University*

Wajaree Weera | *University of Phayao*

## SICEAS-738

### **Nonlinear Disturbance Observer for A Class of Nonlinear Systems**

Ming-Lei Tseng | *Chinese Culture University*

Shih-Yu Lin | *National Taiwan University*

Min-Shin Chen | *National Taiwan University*

### Applied Science

Wednesday, February 8, 2017      13:30-14:30

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#### SICEAS-655

##### **Combination Effect of Sonophoresis and D-Limonene on the Skin Penetration of Hydrophilic Compound Loaded Niosomes and Solid Lipid Nanoparticles**

Worranan Rangsimawong | *Silpakorn University*

Praneet Opanasopit | *Silpakorn University*

Theerasak Rojanarata | *Silpakorn University*

Tanasait Ngawhirunpat | *Silpakorn University*

#### SICEAS-658

##### **pH-Sensitive Chitosan-Based Polymeric Micelles Containing Furosemide for Oral Drug Delivery**

Thisirak Woraphatphadung | *Silpakorn University*

Warayuth Sajomsang | *National Nanotechnology Center*

Theerasak Rojanarata | *Silpakorn University*

Tanasait Ngawhirunpat | *Silpakorn University*

Prasert Akkaramongkolporn | *Silpakorn University*

Praneet Opanasopit | *Silpakorn University*

#### SICEAS-659

##### **Fabrication and Evaluation of Erythrosine-Loaded Fast Dissolving Electrospun PVP/HP $\beta$ CD Patches for Dental Plaque Disclosing**

Prasopchai Tonglairoum | *Silpakorn University*

Theerasak Rojanarata | *Silpakorn University*

Tanasait Ngawhirunpat | *Silpakorn University*

Ruchadaporn Kaomongkolgit | *Naresuan University*

Wanchai Sutananta | *Silpakorn University*

Praneet Opanasopit | *Silpakorn University*

#### **SICEAS-661**

##### **Neuroprotective Activity of Naturally Derived Genipin Conjugated with Gabapentin against 6-hydroxydopamine and Hydrogen Peroxide in NG108-15 Cells**

Weerapath Winotapun | *Silpakorn University*

Areerut Sripattanaporn | *Silpakorn University*

Praneet Opanasopit | *Silpakorn University*

Tanasait Ngawhirunpat | *Silpakorn University*

Theerasak Rojanarata | *Silpakorn University*

#### **SICEAS-694**

##### **A Study on Estimation of Detection and Identification Types of GPS Jamming**

YoungJoong Lee | *Agency for Defense Development*

SungWoong Ra | *ChungNam National University*

#### **SICEAS-712**

##### **The Optimal Average Information Ratio of Coaptation Graphs**

Hui-Chuan Lu | *National United University*

Hsin-Han Tung | *National United University*

#### **SICEAS-714**

##### **Preparation and Characterization of Semi-Synthetic Andrographolide Analogue-Loaded Liposomes for Cancer Therapy**

Teeratas Kansom | *Silpakorn University*

Rungnapha Saeeng | *Burapha University*

Pawinee Piyachaturawat | *Mahidol University*

Theerasak Rojanarata | *Silpakorn University*

Tanasait Ngawhiranpat | *Silpakorn University*

Praneet Opanasopit | *Silpakorn University*

#### **SICEAS-718**

##### **Effect of Formulation on Skin Permeation and Antioxidant Activity of Centella asiatica Extract**

Boonnada Pamornpathomkul | *Silpakorn University*

Worranan Rangsimawong | *Silpakorn University*

Theerasak Rojanarata | *Silpakorn University*

Praneet Opanasopit | *Silpakorn University*

Tanasait Ngawhirunpat | *Silpakorn University*



### **SICEAS-731**

#### **Optimization of Solid Lipid Nanoparticles Gels for Transdermal Delivery of Capsaicin by Response Surface Methodology**

Sureewan Duangjit | *Ubon Ratchathani University*

Tanasait Ngawhiranpat | *Silpakorn University*

### **SICEAS-766**

#### **A Jamming to Signal Ratio Analysis on Intrapulse Modulation Radar with Monostatic and Bistatic Mode against Noise and Deception Jammers**

YoungJoong Lee | *Agency for Defense Development*

SungWoong Ra | *ChungNam National University*

### **APCESP-1756**

#### **The Impact of Coaching-based Leadership on Principal Coaching Competence for Elementary School Principals**

Yi-Ku Ting | *University of Taipei*

Shu-Li Wang | *Taipei First Girls High School*

Nien-Ching Chuang | *University of Taipei*

Chu Li | *ChinHo Primary School*

### **SICEAS-682**

#### **Transfection efficiency of novel cationic liposomes with different helper lipids for gene delivery systems in human cervical carcinoma cell line**

Supusson Pengnam | *Silpakorn University*

Lalita Leksantikul | *Silpakorn University*

Theerasak Rojanarata | *Silpakorn University*

Tanasait Ngawhirunpat | *Silpakorn University*

Nattisa Niyomtham | *Ramkhamhaeng University*

Boon-Ek Yingyongnarongkul | *Ramkhamhaeng University*

Praneet Opanasopit | *Silpakorn University*

## Poster Session (2)

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**Information Engineering and Technology / Computer**

**Engineering and Technology / Electrical and Electronic**

**Engineering / Mechanical Engineering and Technology**

**Wednesday, February 8, 2017      15:00-16:00**

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### **SICEAS-640**

**Designing a Status Property Classifier Architecture of User's Personality**

Tsung-Yi Chen | *Nanhua University*

Meng-Che Tsai | *National Cheng Kung University*

Yuh-Min Chen | *National Cheng Kung University*

### **SICEAS-660**

**A Simple Broadcast-Based Service Discovery for Home-Based Lighting Control Network**

Jinsuk Baek | *Winston-Salem State University*

Paul S. Fisher | *Winston-Salem State University*

### **SICEAS-688**

**Development of a Heavy-Fog Inactivation System by Infrared Irradiation with a High Thermally Conductive Carbon Plate**

Kenta Ninomiya | *Nihon University*

Satoshi Kurumi | *Nihon University*

Taiyo Matsumura | *Nihon University*

Eiichiro Momma | *Nihon University*

Kaoru Suzuki | *Nihon University*

Takashi Ono | *Nihon University*

### **SICEAS-757**

**Microwave Bandpass Filter with Reconfigurable Stopband**

Hung-Tao Lu | *National Central University*

Wen-Hua Tu | *National Central University*

**SICEAS-780****Self-Powered Micro-Blood Pressure Sensor Using Mono-Crystalline Silicon Solar Cells as Energy Harvesting Sources**

Chien-Wei Liu | *National Yunlin University of Science and Technology*

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

Lung-Hsien Chang | *National Yunlin University of Science and Technology*

Yun-Fu Tsai | *National Yunlin University of Science and Technology*

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

**SICEAS-800****An Application Wind Power of Multi-Terminal VSC-HVDC in Thailand**

Narin Watanakul | *Thammasat University*

**SICEAS-775****Propulsive Characteristics of Sprinkler Boat**

Chatchai Marnadee | *Thammasat University*

## Poster Session (3)

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**Materials Science and Engineering / Civil Engineering /**

**Biomedical Engineering / Chemical Engineering**

**Wednesday, February 8, 2017      16:30-17:30**

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### **SICEAS-692**

**Diclofenac Sodium Loaded Electrospun Polyvinyl Pyrrolidone/Poly  $\epsilon$ -Caprolactone Blend Nanofiber Mats for Transdermal Delivery**

Natthan Charernsriwilaiwat | *Burapha University*

Praneet Opanasopit | *Silpakorn University*

### **SICEAS-739**

**ZnO Nanoclusters Prepared by Microwave-Assisted Synthesis for Application in Dye-Sensitized Solar Cell**

Fu-Jen Cheng | *Tungnan University*

S. Y. Hu | *Tungfang Design Institute*

Y. C. Lee | *Tungnan University*

M. K. Tsai | *Tungnan University*

C. H. Wu | *National Taiwan Normal University*

M. H. Lee | *National Taiwan Normal University*

### **SICEAS-745**

**Application of Parametric and Non-Parametric Modeling Approach to Diagnosis of Inclement Weather Impact on Vehicle Type Distribution**

Hyuk-Jae Roh | *City of Regina*

Satish Sharma | *University of Regina*

### **SICEAS-749**

**The Application Research of a Low-Cost Early Warning System of Surface Failure on the Taiwan Forest Slopes**

Jung-Tai Lee | *National Chiayi University*

Cheng-Kan Hsieh | *National Chiayi University*

**SICEAS-836**

**Seismic Performance of Two Story RC Frames with Infill Walls**

Wen-I Liao | *National Taipei University of Technology*

**SICEAS-673**

**To Investigate the Physiological Signals from Empirical Measurement and Clinical Assessment of Emotional State in the Depression**

Min-Wei Huang | *Taichung Veterans General Hospital*

Yen-Ting Chen | *Southern Taiwan University of Science and Technology*

Chun-Ju Hou | *Southern Taiwan University of Science and Technology*

Li-Shum Cheng | *Taichung Veterans General Hospital*

Jia-Ying Zhou | *National Chung-Cheng University*

**SICEAS-710**

**MRA-Based Fluid-Structure Interaction Model to Analyze Non-Newtonian Blood Flow in the Carotid Artery**

Uiyun Lee | *Chonbuk National University*

Inhwan Hwang | *Chonbuk National University*

Heybin Koh | *Chonbuk National University*

Cheonmoon Park | *Chonbuk National University*

Yeonseon Shin | *Chonbuk National University*

Hyosung Kwak | *Chonbuk National University*

Jinmu Jung | *Chonbuk National University*

Donghwan Lee | *Chonbuk National University*

### **SICEAS-711**

#### **Determination of Yield Stress by Measuring Whole Blood Viscosity in Acute Coronary Syndromes**

Uiyun Lee | *Chonbuk National University*

Inhwan Hwang | *Chonbuk National University*

Geonwoo Chae | *Chonbuk National University*

Hanyong Lee | *Chonbuk National University*

Youngjun Park | *Chonbuk National University*

Wonhyeon Yeo | *Chonbuk National University*

Jinmu Jung | *Chonbuk National University*

Donghwan Lee | *Chonbuk National University*

### **SICEAS-683**

#### **Photoluminescence from Graphene Quantum Dots Prepared by Chemical-Wet Exfoliation Method Using Graphite and Carbon Nanotube as Precursors**

Chien-Te Hsieh | *Yuan Ze University*

Yu-Ming Chiang | *Yuan Ze University*

### Education

**Thursday, February 9, 2017**

**09:30-10:30**

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#### **SICSSAM-1348**

##### **A Protocol of Investigating Movement Initiation for Preschoolers Born Late-Preterm and Full Term**

Yu-Hsuan Tung | *Chang Gung University*

Ai-Wen Hwang | *Chang Gung University*

#### **SICSSAM-1355**

##### **Soccer Dribbling Performance in Children with Intellectual Disability**

Yu-Chun Yang | *Chang Gung University*

Wann-Yun Shieh | *Chang Gung University*

Yan-Ying Ju | *National Taiwan Sport University*

Yu-Chun Yu | *National Taoyuan Special School*

Zong-Jhe Lyu | *Chang Gung University*

Pao-Wen Li | *Chang Gung University*

Hsin-Yi Kathy Cheng | *Chang Gung University*

#### **SICSSAM-1376**

##### **A Consideration of High School/University Articulation and the Learning Content of “Introduction to Social Welfare”**

Taizo Ito | *Fukuyama Heisei University*

#### **SICSSAM-1529**

##### **Development of a Function-Oriented Assistive Technology Indexing System-a Pilot Study**

Huseh-Fang Hung | *Chang Gung University*

Yu-Chun Yu | *National Taoyuan Special School*

Hsin-Yi Kathy Cheng | *Chang Gung University*

#### **SICSSAM-1495**

##### **Supporting Parents of Children with Autism Spectrum Disorder in Identifying Goals for Participation: A Case Report**

Ming-Chieh Hsieh | *Chang Gung University*

Lin-Ju Kang | *Chang Gung University*

**APCESP-1762**

**Advantages of formal education in skills for preparation and delivering presentation-comparison across programs at GMU**

Tatiana Ille | *Gulf Medical University*

**APCESP-1837**

**Establish Effective Bedside Teaching**

Liang Huang-Pin | *Tainan Municipal Hospital*

Sun Hui-Ping | *Tainan Municipal Hospital*

Chou Huei-Ping | *MEIHO University*

**APCESP-1812**

**Implement Evidence-Based Nursing to Enhance Nursing Students' Critical Thinking Skills**

Sun Hui-Ping | *Tainan Municipal Hospital*

Chou Huei-Ping | *MEIHO University*

Liang Huang Pin | *Tainan Municipal Hospital*

**APCESP-1806**

**Portraits of International Educational Leaders**

Yu-Ying Lin | *De Lin Institute of Technology*

Yi-Sheng Yu | *De Lin Institute of Technology*



## Poster Session (5)

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**Society / Management / Economy / Finance / Politics /**

**Psychology**

**Thursday, February 9, 2017**

**11:00-12:00**

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**SICSSAM-1307**

**Environmental Barriers in Daily Life of Children with Special Needs and Their Family**

Yi-Chen Li | *Chang Gung University*

Ming-Chieh Hsieh | *Chang Gung University*

Lin-Ju Kang | *Chang Gung University*

**SICSSAM-1385**

**Significance of the Dementia Café in Japan**

Hiroko Nakajima | *Fukuyama Heisei University*

**SICSSAM-1343**

**Parent-Child Shared Reading in Children with Developmental Delay**

Hsin Yi Huang | *Chang Gung University*

Lin Ju Kang | *Chang Gung University*

Yi Chen Li | *Chang Gung University*

Hsiao Ying Chiang | *Chang Gung University*

**SICSSAM-1382**

**A Study on the Difference of Ethical Climate, Organizational Attraction and Employee's Will to Stay in Hairdressing Industry**

Mei-Hua Chen | *National Changhua University of Education*

Chiu-Yen Lee | *National Changhua University of Education*

Nan-Yu Wang | *Ta Hwa University of Science and Technology*

**SICSSAM-1423**

**The Website Design and Internet Site Marketing Practices of Hotels in Taiwan**

Nan-Yu Wang | *Ta Hwa University of Science and Technology*

**SICSSAM-1299**

**A Discussion on the Application of School Marketing from the Viewpoint of Global Perspectives in Higher Education**

Ching-Jung Hsieh | *WuFeng University*

**SICSSAM-1294**

**Spiritual Freedom in Art Education: A Comparison between Zhuangzi and Jacques Maritain**

Katia Lenehan | *Academia Catholica, Fu Jen Catholic University*

**SICSSAM-1387**

**Dynamic Correlation between Spot Market and Futures Market: Evidence from the Foreign Institutional Investors Behaviors**

Chia-Hao Lee | *National Taichung University of Science and Technology*

Ching-Mei Chu | *Ling Tung University*

Pei-I Chou | *National Open University*

**SICSSAM-1500**

**South Korea's Political and Economic Elites**

Özlem Tezer Dursun | *Ankara University*

**APCESP-1832**

**Facial Attractiveness: The Interaction between Facial Shape, Eyelid, and the Perceived Ideal Eyebrow Shape**

Wei-Lun Chou | *Fo Guang University*

Ji-Syuan Guo | *Fo Guang University*



