

Conference Program

February 22-24, 2018
Bangkok, Thailand

TICEAS

The International Conference on Engineering and
Applied Sciences

ICEASS

International Conference on Education and Social
Sciences

TICEAS

The International Conference on Engineering and Applied Sciences

ISBN 978-986-5654-07-8

ICEASS

International Conference on Education and Social Sciences

ISBN 978-986-89844-5-5

Welcome Message	3
General Information for Participants	4
International Committees	6
International Committee of Natural Sciences	6
International Committee of Social Sciences	10
Special Thanks to Session Chairs	14
Conference Venue Information	15
Centara Watergate Pavillion Hotel Bangkok	17
Conference Schedule	18
Natural Sciences Keynote Speech (1)	22
Natural Sciences Keynote Speech (2)	24
Natural Sciences Keynote Speech (3)	25
Social Sciences Keynote Speech (1)	27
Social Sciences Keynote Speech (2)	29
Oral Sessions	31
Computing & IT Sciences/ Electrical & Electronic Engineering	31
Education (1)	32
Fundamental and Applied Sciences (1)	33
Finance / Economics /Business	35
Chemical Engineering / Material Science and Engineering	37
Education (2)	39
Civil Engineering / Environmental Engineering (1)	40
Culture / Society	42
Mechanical Engineering	43
Fundamental and Applied Sciences (2) / Biomedical Engineering	45
Psychology	47
Communication / Law & Politics	48
Education (3)	50
Poster Sessions (1)	51
Computing Science & IT Engineering / Electrical & Electronic Engineering (1) ..	51
Poster Sessions (2)	54
Material Science and Engineering (1)	54
Poster Sessions (3)	56
Material Science and Engineering (2) / Chemical Engineering	56
Poster Sessions (4)	58

Biomedical Engineering / Environmental Engineering / Mechanical Engineering / Civil Engineering	58
Poster Sessions (5)	61
Psychology	61
Poster Sessions (6)	63
Fundamental and Applied Sciences	63
Poster Sessions (7)	65
Fundamental and Applied Sciences (2)	65
Poster Sessions (8)	67
Culture / Education / Society / Law & Politics / Business	67

Welcome Message



Local Host

Dr. Mayura Soonwera

Ph. D. In Entomology, Kasetsart University, Bangkok, Thailand
Certification of Biological Control in Insect Pests from Kyushu Tokai
University, Japan

Associate Professor at Department of Plant Production Technology, Faculty
of Agricultural Technology, KingMongkut's Institute of Technology
Ladkrabang, Bangkok 10520, Thailand

Ladies and Gentleman

It is my pleasure to welcome you to the joint conference of International Conference on Engineering and Applied Sciences (TICEAS) and International Conference on Education and Social Sciences (ICEASS), Feb 22-24, 2018 and welcome to Bangkok, Thailand.

All topics are a very high calling, and I hope this conference provides you the opportunity to visit with friends, make new colleagues and share your experience in researching. May you find encouragement as you listen to speakers, participate in sessions, and interact with other researchers from other countries.

If you have the opportunity, I hope you will take time to enjoy many beautiful place of Bangkok (Bangkok is one of the world's top tourist destination cities, ranked by Master Card ,index 2016), such as Grand palace and Buddhist Temples including Wat Arun and Wat Pho, Vimanmek Mansion in Dusit Palace is famous as the world's largest teak building and Bangkok's Chinatown at Yaowarat road.

Welcome to the 2018 joint conference of International Conference on Engineering and Applied Sciences (TICEAS) and International Conference on Education and Social Sciences (ICEASS) again and I send my very best wishes to all. I hope to see you on the next conference.

Thank You

Dr. Mayura Soonwera

General Information for Participants

■ Registration

The registration desk will be situated on the **9F** at the **Centara Watergate Pavillion Hotel Bangkok** during the following time:

14:00-16:00 Thursday, February 22, 2018

08:30-17:00 Friday, February 23, 2018

08:30-17:00 Saturday, February 24, 2018

■ 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"> 1. Wider than 60cm (left) 2. Copy of PowerPoint slides in A4 papers (right)

International Committees

International Committee of Natural Sciences

Abdelwahab Elghareeb	Cairo University	Egypt
Abdmalik Serboutel	University of physical and sports activities Djelfa	Algeria
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 Training 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
Anthony D. Johnson	Seoul National University of Science & Technology	Korea
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	Australia
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
Chia-Ray Lin	Academia Sinica	Taiwan
Chih-Wei Chiu	National Taiwan University of Science and Technology	Taiwan
Chikako Asada	Tokushima University	Japan
Chil Chyuan Kuo	Ming Chi University of Technology	Taiwan
Chi-Ming Lai	National Cheng-Kung University	Taiwan
Ching-An Peng	University of Idaho	USA
Chin-Tung Cheng	National Kaohsiung (First) University of Science and Technology	Taiwan
Christoph Lindenberger	Friedrich-Alexander University	Germany
Daniel W. M. Chan	The Hong Kong Polytechnic University	Hong Kong
Deok-Joo Lee	Kyung Hee University	South Korea
Din Yuen Chan	National Chiayi University	Taiwan

Don Liu	Louisiana University	USA
Edward J. Smaglik	Northern Arizona University	USA
Farhad Memarzadeh	National Institutes of Health	USA
Fariborz Rahimi	University of Bonab	Iran
Fatchiyah M.Kes.	Universitas Brawijaya	Indonesia
Gi-Hyun Hwang	Dongseo University	South Korea
Gwo-Jiun Horng	Southern Taiwan University of Science and Technology	Taiwan
Hae-Duck Joshua Jeong	Korean Bible University	South Korea
Hairul Azman Roslan	Universiti Malaysia Sarawak	Malaysia
Hamed M El-Shora	Mansoura University	Egypt
Hanmin Jung	Convergence Technology Research Planning	South Korea
Hasmawi Bin Khalid	University Teknologi Mara	Malaysia
Hikyoo Koh	Lamar University	USA
Hiroshi Uechi	Osaka Gakuin University	Japan
Ho, Wing Kei Keith	The Hong Kong Institute of Education	Hong Kong
Hsiao-Rong Tyan	Chung Yuan Christian University	Taiwan
Hsien Hua Lee	National Sun Yat-Sen University	Taiwan
Hung-Yuan Chung	National Central University	Taiwan
Hyomin Jeong	Gyeongsang National University	South Korea
Hyoungseop Kim	Kyushu Insititute of Techonogy	Japan
Jacky Yuh-Chung Hu	National Ilan University	Taiwan
Jeril Kuriakose	Manipal University	India
Jieh-Shian Young	National Changhua University of Education	Taiwan
Jivika Govil	Zion Bancorporation	India
Jongsuk Ruth Lee	Korea Institute of Science and Technology Information	South Korea
Jui-Hui Chen	CPC Corporation, Taiwan	Taiwan
Jung Tae Kim	Mokwon University	South Korea
Kamal Seyed Razavi	Federation University Australia	Australia
Kazuaki Maeda	Chubu Univeristy	Japan
Kim, Taesoo	Hanbat National University	South Korea
Kuang-Hui Peng	National Taipei University of Technology	Taiwan
Kun-Li Wen	Chienkuo Technology University	Taiwan
Lai Mun Kou	SEGi University	Malaysia
Lars Weinehall	Umea University	Sweden
Lee, Jae Bin	Mokpo National University	South Korea

M. Chandra Sekhar	National Institute of Technology	India
M. Krishnamurthy	KCG college of technology	India
Mane Aasheim Knudsen	University of Agder	Norway
Mayura Soonwera	King Mongkut's Institute of Technology	Thailand
Michiko Miyamoto	Akita Prefectural University	Japan
Minagawa, Masaru	Tokyo City University	Japan
Mu-Yen Chen	National Taichung University of Science and Technology	Taiwan
Norizzah Abd Rashid	Universiti Teknologi MARA	Malaysia
Onder Turan	Anadolu University	Turkey
Osman Adiguzel	Firat University	Turkey
P. Sivaprakash	A.S.L. Pauls College of Engineering & Technology	India
P.Sanjeevikumar	University of Bologna	India
Panayotis S. Tremante M.	Universidad Central de Venezuela	Venezuela
Patrick S.K. Chua	Singapore Institute of Technology	Singapore
Pei-Jeng Kuo	National Chengchi University	Taiwan
Phongsak Phakamach	North Eastern University	Thailand
Rainer Buchholz	Friedrich-Alexander University	Germany
Rajeev Kaula	Missouri State University	USA
Ransinchung R.N.(Ranjan)	Indian Institute of Technology	India
Ren-Zuo Wang	National Center for Research on Earthquake Engineering	Taiwan
Rong-Horng Chen	National Chiayi University	Taiwan
Roslan Zainal Abidin	Infrastructure University Kuala Lumpur	Malaysia
S. Ahmed John	Jamal Mohamed College	India
Saji Baby	Kuwait University	Kuwait
Samuel Sheng-Wen Tseng	National Taiwan Ocean University	Taiwan
Sergei Gorlatch	University of Muenster	Germany
Shen-Long Tsai	National Taiwan University of Science and Technology	Taiwan
Sittisak Uparivong	Khon Kaen University	Thailand
Song Yu	Fukuoka Institute of Technology	Japan
Sudhir C.V.	Caledonian College of Engineering	Oman
Suresh. B. Gholse.	Rtm Nagpur University	India
Thippayarat Chahomchuen	Kasetsart University	Thailand

Victor A. Skormin	Binghamton University	USA
Vivian Louis Forbes	Wuhan University	China
William L. Baker	Indiana State University	USA
Wong Hai Ming	The University of Hong Kong	Hong Kong
Wong Tsun Tat	The Hong Kong Polytechnic University	Hong Kong
Wooyoung Shim	Yonsei University	South Korea
Ya-Fen Chang	National Taichung University of Science and Tchonology	Taiwan
Yasuhiko Koike	Tokyo University of Agriculture	Japan
Yee-Wen Yen	National Taiwan University of Science and Technology	Taiwan
Yoshida Masafumi	Tokyo City University	Japan
Youngjune Park	Gwangju Institute of Science and Technology	South Korea
Yuan-Lung Lo	Tamkang University	Taiwan
Tan Lit Ken	Universiti Teknologi Malaysia	Malaysia
Wen-Hua Tarng	National Tsing Hua University	Taiwan

International Committee of Social Sciences

Adeeb Jarrah	United Arab Emirates University	UAE
Ahrar Husain	Jamia Millia Islamia - A Central University	Indian
Al Faithrich C. Navarrete	University of Santo Tomas	Philippines
Alex Yao Tang	National Cheng Kung University	Taiwan
Alice H. Y. Hon	The Hong Kong Polytechnic University	Hong Kong
Amol Gore	Università degli Studi di Padova	Thailand
Atefeh Ferdosipour	Azad University (East Tehran Branch)	Iran
Azidah Abu Ziden	Universiti Sains Malaysia	Malaysia
Azilawati	Nanyang Technological University, Singapore	Singapore
Aziz Bin Ahmad	University Malaysia Terengganu	Malaysia
B. Suresh Lal	Kakatiya University	India
Badar Alam Iqbal	Aligarh Muslim University	India
Bayram Akarsu	Erciyes University	Turkey
Bor-Tyng Wang	Feng Chia University	Taiwan
Brian Hunt	Mahidol University	Thailand
Carrie Hagan	Indiana University	USA
Cathine G. Scott	Morris College in Sumter	USA
Chang Y. Lee	California State University, Chico	USA
Chen-Sung Chang	Nan Kai University of Technology	Taiwan
Cheol Park	Korea University	South Korea
Chib	Datta Meghe Institute of Management Studies	India
Ching-Yi Tien	I-Shou University	Taiwan
Darshan Kaur Narang	University of Rajasthan, Jaipur	India
David C. Donald	The Chinese University of Hong Kong	Hong Kong
David Yoon	Universitaire Léonard de Vinci	France
Dharam Vir Mahajan	CCS university, Meerut	India
Donald L. Amoroso	Auburn University at Montgomery	USA
Donghun Lee	Sungkyunkwan University	South Korea
E. Daniel Shim	Sacred Heart University	USA
Eddy K.W. Li	The Chinese University of Hong Kong	Hong Kong
Edward Hwang	Chung Hua University	Taiwan
Emiko Tsuyuki	Chuo University	Japan
Ernest Lim Kok Seng	Taylor's University	Malaysia
Funda Varnaci Uzun	Aksaray University	Turkey
Gajendra Singh	Satyawati College, University of Delhi	India
Halil Ibrahim Gurcan	Anadolu University	Turkey

Hamzeh Dodeen	United Arab Emirates University	UAE
Henry Ma	The Hong Kong Polytechnic University	Hong Kong
Intan Soliha Binti Ibrahim	Universiti Malaysia Sabah	Malaysia
Irene Guatno Toribio	Philippine Christian University	Philippines
Jalil Safaei	University of Northern British Columbia	Canada
Jamie Halsall	University of Huddersfield	UK
Jian-Horng	Chen Chung Shan Medical University	Taiwan
Jill Thompson-White	Edith Cowan University	Australia
John Christian S. Jardin	Palawan State University	Philippines
Jonas Chao-Pen Yu	Takming University of Science and Technology	Taiwan
Jongkun Jun	Hankuk University of Foreign Studies	South Korea
José G. Vargas-Hernández	Universidad de Guadalajara	México
Joseph Lau	The University of Hong Kong	Hong Kong
Joy Kamakamaewailani Rodriguez	Beijing Forestry University	USA
Joyce Zhou	Emporia State University	USA
Julia Wong	Family Justice Courts Singapore	Singapore
K. Prakash Vel	University of Wollongong	Dubai
Kaedsiri Jaroenwisan	Silpakorn Univesity	Thailand
Kanokphon Chantanarungpak	Srinakharinwirot University	Thailand
Karen Miranda Fernandez	Imus Institute	Philippines
Keith H. Sakuda	University of Hawai'i - West O'ahu	USA
Kim , Kyung Hee	Mokpo National University	South Korea
Kim Sangho	Ritsumeikan Asia Pacific University	Japan
Kim, Deok Man	Baekseok University	South Korea
Kimble Byrd	Rowan University	USA
Krishna Govender	AAA School of Advertising	South Africa
Kurt W. Ackermann	Hokusei Gakuen University	Japan
Lin, Hsiao-Tseng	Meiho University	Taiwan
Linda Oshita	University of Hwaii	USA
Linda Ross	Rowan University	USA
Maria Cristina M. De los Santos	Kyungdong University-Global Campus	South Korea
Marie Paz E. Morales	Philippine Normal University	Philippines
Masoud Kavooosi	The George Washington University	USA
Mehryar Nooriafshar	University of Southern Queensland	Australia
Michael Kao	Chang Gung University	Taiwan
Micheal Kon	Aletheia University	Taiwan

Ming-Chang Chih	National Chung Hsing University	Taiwan
Mingchu (Neal) Luo	Emporia State University	USA
Mohamad Hafis Amat Simin	University Sultan Zainal Abdin	Malaysia
N. S. Ravishankar	Axis Bank	India
Naim Uzun	Aksaray University	Turkey
Nezaket Memmedli	Azerbaijan National Academy of Sciences	Azerbaijan
Obydullah Al Marjuk	Independent University, Bangladesh	Bangladesh
Ozgul Keles	Aksaray University	Turkey
Pete C. Kutschera	AMERASIAN RESEARCH NETWORK, Ltd.	USA
Peter Morton	Chinese Culture University	Taiwan
Prasong Tanpichai	Kasetsart University	Thailand
Qi Wang	University of Southern Denmark	China
Rajesh U. Chheda	Shri. MD Shah Mahila College	India
Ramayah Thurasamy	Universiti Sains Malaysia	Malaysia
Reem Abed Almotaleb Abuiyada	Dhofar University	Palestine
Ricky Yuk-Kwan Ng	Vocational Training Council, Hong Kong	Hong Kong
Ronald Griffin	Florida Agricultural & Mechanical University	USA
Rotaru Ioan-Gheorghe	Timotheus Brethren Theological Insititute of Bucharest	Romania
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
Suzanne Beasterfield	Idaho State University	USA
Szu-Wei (Chris) Chen	I-Shou University	Taiwan
T.S.Devaraja	University of Mysore, Hemagangothri 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
Vivian Louis Forbes	The University of Western Australia	Australia

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 Won Seo	Chung-Ang University	Korea
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

Anita M.M. Liu	<i>University of Hong Kong</i>
Wen-Teng Chang	<i>National University of Kaohsiung</i>
Mindy Andino	<i>Bloomsburg University of Pennsylvania</i>
Taho Yang	<i>National Cheng Kung University</i>
Joon Ho Hwang	<i>Korea University</i>
Nathnarong Khajohnsaksumeth	<i>Mahidol University</i>
Bob Barrett	<i>American Public University</i>
Yeong-Min Kim	<i>Myongji University</i>
Victor W. Harris	<i>University of Florida</i>
Yoshikazu Higa	<i>National Institute of Technology, Okinawa College</i>
Saied A. Shrief	<i>Cairo University</i>
Wilawan Inchamnan Dhurakij	<i>Pundit University</i>
Nagiko Lee	<i>Ritsumeikan University</i>
Suzanne Rose Duran	<i>Agro-Industrial Foundation College of the Philippines</i>

Conference Venue Information

Centara Watergate Pavillion Hotel Bangkok

Address: 567 Ratchaprarop Road, Makkasan, Ratchathewi, Bangkok 10400, Thailand

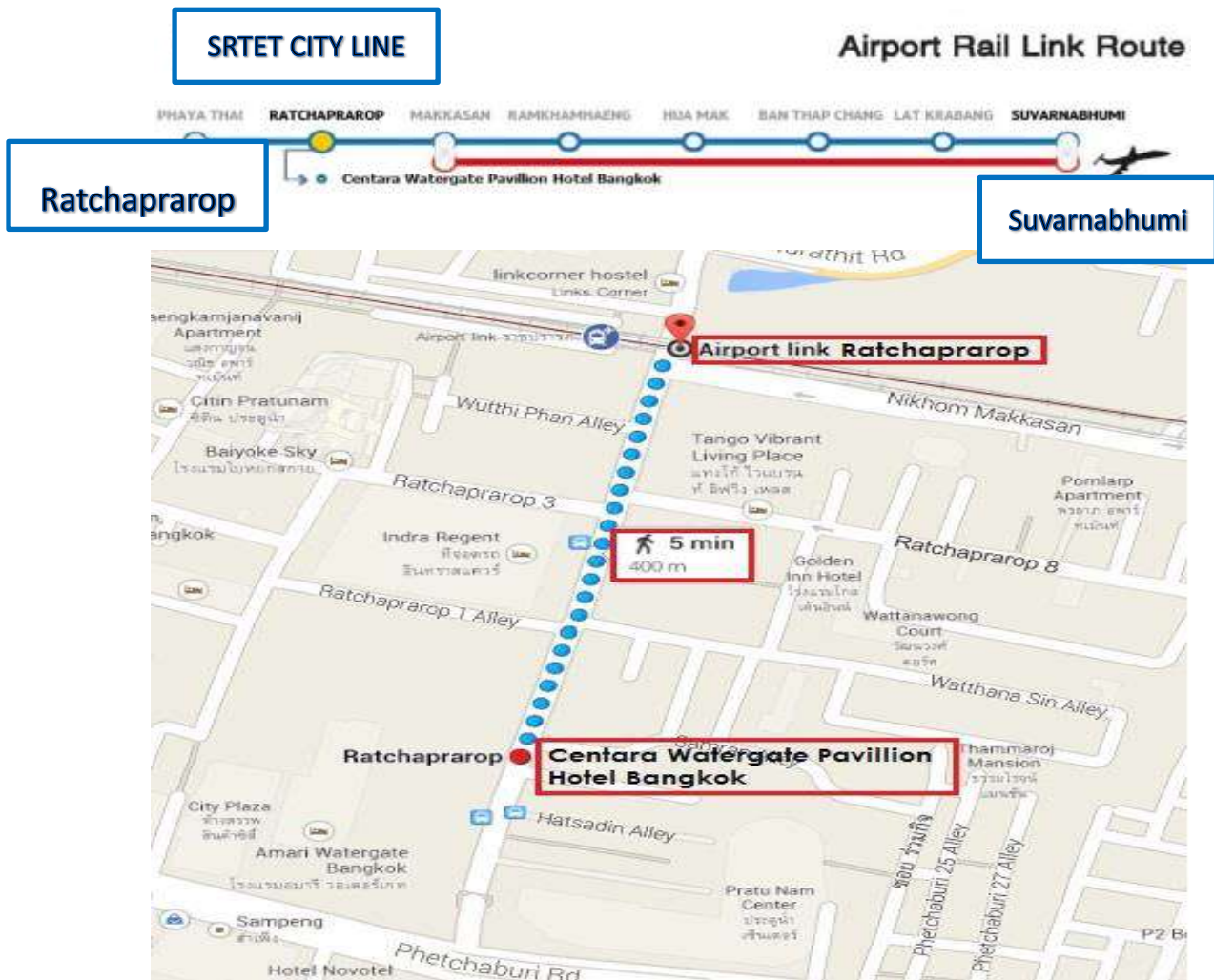
Phone: +66 (0) 2625 1234

Fax: +66 (0) 2625 1235

Transportation

From Suvarnabhumi Airport

1. Take SRTET City Line from Suvarnabhumi station to Ratchaprarop station. (25minutes, 6 stops)
2. 5 minutes-walk from Ratchaprarop station (after exit walk towards Thanon Nikhom Makkasan Road and turn right to Ratchaprarop Road, Centara Watergate Pavillion Hotel Bangkok will be on the left.



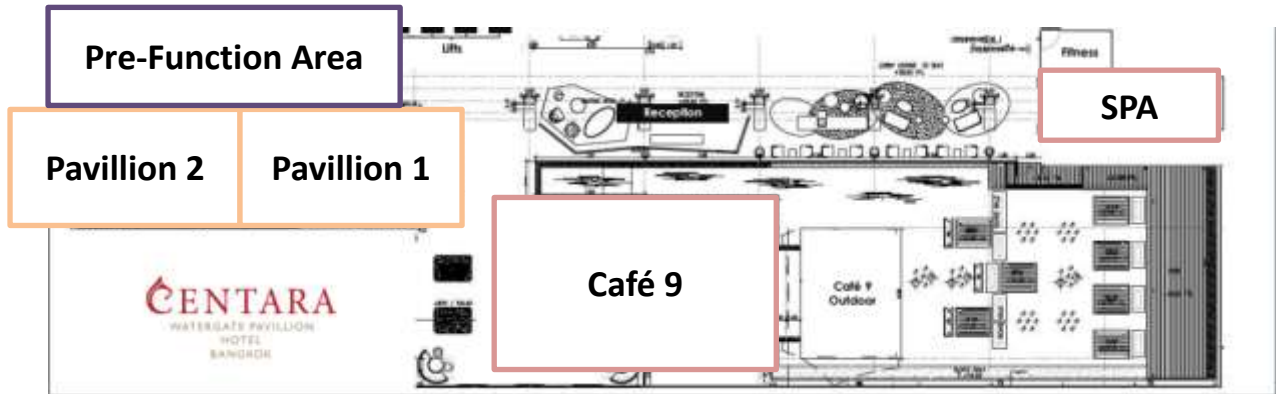
From Don Mueang Airport

***Airport Express Bus**

1. Take the bus at exit number 12 in Terminal 2 and exit 6 in Terminal 1, follow the signs "Shuttle Bus".
2. Take Bus A3 to Pratunam station. (55 minutes)
3. Walk east on Phetchaburi Rd.
4. Turn left at Ratchaprarop Rd.
5. Turn right after 3 blocks. Centara Watergate Pavillion Hotel Bangkok will be on the left.
**5 minutes-walk

Centara Watergate Pavillion Hotel Bangkok

The 9th floor plan



Registration: Pre-Function Area

Oral Session: Pavillion 1&2

Poster Session: Pre-Function Area

Tea Break & Networking: Pre-Function Area

Lunch: Café 9

Conference Schedule

Thursday, February 22, 2018		
Oral Session		
Time	Schedule	Venue
14:00-16:00	Pre-Registration	Pre-Function Area, 9F

Friday, February 23 2018

Oral Session

Time	Schedule	Venue
08:30-17:00	Registration	Pre-Function Area, 9F
08:45-10:15	Computing & IT Sciences/ Electrical & Electronic Engineering	Pavillion 1, 9F
	Education (1)	Pavillion 2, 9F
10:15-10:30	Tea Break & Networking	Pre-Function Area, 9F
10:30-12:00	<p><u>Natural Sciences Keynote Speech</u></p> <ul style="list-style-type: none"> • <u>Dr. Mayura Soonwera</u> <u>Topic (1):</u> Green Pesticides for Urban Insect Pests Control • <u>Prof. Sergei Gorlatch</u> <u>Topic (2):</u> High-Level Development of Real-Time Distributed Applications • <u>Dr. Paul C.H. Li</u> <u>Topic (3):</u> Cancer multidrug resistance: a new method and a new hope 	Pavillion 1, 9F
	<p><u>Social Sciences Keynote Speech</u></p> <ul style="list-style-type: none"> • <u>Dr. Gary E. Swanson</u> <u>Topic (1):</u> The Socio-economic Impact of Generational Teaching • <u>Prof. Bob Barrett</u> <u>Topic (2):</u> Academic Strategists and Change Agents: The Role and Function of Today's Instructors in Guiding Tomorrow's Educational Pathways 	Pavillion 2, 9F
12:00-13:00	Lunch Time	Café 9, 9F
13:00-14:30	Fundamental and Applied Sciences (1)	Pavillion 1, 9F
	Finance/ Economics/Business	Pavillion 2, 9F
14:30-14:45	Tea Break & Networking	Pre-Function Area, 9F
14:45-16:15	Chemical Engineering / Material Science and Engineering	Pavillion 1, 9F
	Education (2)	Pavillion 2, 9F
16:15-16:30	Tea Break & Networking	Pre-Function Area, 9F
16:30-18:00	Civil Engineering/ Environmental Engineering	Pavillion 1, 9F
	Culture/ Society	Pavillion 2, 9F

Friday, February 23, 2018

Poster Session (Pre-Function Area, 9F)

Time	Schedule
13:00-1400	Poster Sessions (1) Computing Science / Electrical & Electronic Engineering (1)
14:15-15:15	Poster Sessions (2) Material Science and Engineering (1)
15:30-16:30	Poster Sessions (3) Material Science and Engineering (2) / Chemical Engineering
16:45-17:45	Poster Sessions (4) Biomedical Engineering / Environmental Engineering / Mechanical Engineering / Civil Engineering

Saturday, February 24 2018

Oral Session

Time	Schedule	Venue
08:30-17:00	Registration	Pre-Function Area, 9F
08:45-10:15	Mechanical Engineering	Pavillion 1, 9F
10:15-10:30	Tea Break & Networking	Pre-Function Area, 9F
10:30-12:00	Fundamental and Applied Sciences (2)/ Biomedical Engineering	Pavillion 1, 9F
12:00-13:00	Lunch Time	Café 9, 9F
13:00-14:30	Psychology	Pavillion 1, 9F
14:30-14:45	Tea Break & Networking	Pre-Function Area, 9F
14:45-16:15	Communication / Law & Politics	Pavillion 1, 9F
16:15-16:30	Tea Break & Networking	Pre-Function Area, 9F
16:30-18:00	Education (3)	Pavillion 1, 9F

Saturday, February 24, 2018

Poster Session (Pre-Function Area, 9F)

Time	Schedule
10:00-11:00	Poster Sessions (5) Psychology
11:10-12:10	Poster Sessions (6) Fundamental and Applied Sciences (1)
13:00-14:00	Poster Sessions (7) Fundamental and Applied Sciences (2)
14:10-15:10	Poster Sessions (8) Culture/ Education/ Society/ Law & Politics / Business

Natural Sciences Keynote Speech (1)

Pavillion 1, 9th Floor

10:30-12:00, Friday, February 23, 2018

Topic:

Green Pesticides for Urban Insect Pests Control

Dr. Mayura Soonwera

Ph. D. In Entomology, Kasetsert University, Bangkok, Thailand

Certification of Biological Control in Insect Pests from Kyushu

Tokai University, Japan

Associate Professor at Department of Plant Production Technology,

Faculty of Agricultural Technology, KingMongkut's Institute of

Technology Ladkrabang, Bangkok 10520, Thailand



Abstract

The urban insect pests such as mosquito, house fly, cockroach and head louse are important public health problem, which affect more than 100 million people world wide including Asian people. Moreover, the number of urban insect pests have increased world wide since the mid-1960s. Currently, chemical pesticides are commonly used as the first choice for urban insect pests control. However, chemical pesticides have lost their efficacy, the resistance of several urban insect pests to chemical pesticides are increasing and chemical pesticides also have the negative side effects to people and environment. Therefore, the alternative products such as the green pesticides from herbs or plants could be good option to control urban insect pests. Moreover, green pesticides are good and safe for people and environmental friendly. However, more than 100 herbs could be used as green pesticides such as more than 50 essential oils from herbs could be used as pesticide against several species of mosquitoes and house flies. The extracts from several edible plants and spices could be used as pediculicides against head lice.

Introduction of Dr. Mayura Soonwera

Dr. Mayura Soonwera received her Bachelor's degree in Agricultural Sciences from KhonKhan University in 1981. She obtained her Master and PhD degree in Plant Diseases and Entomology from Kasetsart University, Thailand in 1984 and 1989, respectively. She worked in the National Research Council of Thailand for two years and worked in Tokai University, Japan for Biological Control of insect pests in 1991. At present time, she is working as Associate Professor at King

Mongkut's Institute of Technology Ladkraband (KMITL), Thailand. She has more than 60 publication in different international conferences and several papers in international journals. She has got five research patents in herbal pediculicides for head lice (*Pediculus humanus capitis* : Phthiraptera) treatments. Her areas of research interest are herbal pesticides or green pesticides for insect pests control, especially in urban insect pests such as mosquito, house fly, cockroach and head louse.

Natural Sciences Keynote Speech (2)

Pavillion 1, 9th Floor

10:30-12:00, Friday, February 23, 2018

Topic:

High-Level Development of Real-Time Distributed Applications

Prof. Sergei Gorlatch
Universitaet Muenster
Institut fuer Informatik



Abstract

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

Introduction of Prof. Sergei Gorlatch

Sergei Gorlatch has been Full Professor of Computer Science at the University of Muenster (Germany) since 2003. Earlier he was Associate Professor at the Technical University of Berlin, Assistant Professor at the University of Passau, and Humboldt Research Fellow at the Technical University of Munich, all in Germany. Prof. Gorlatch has about 200 peer-reviewed publications in renowned international books, journals and conferences. He has been principal investigator in several international research and development projects in the field of parallel, distributed, Grid and Cloud algorithms, networking and computing, as well as e-Learning, funded by the European Commission and by German national bodies.

Natural Sciences Keynote Speech (3)

Pavillion 1, 9th Floor

10:30-12:00, Friday, February 23, 2018

Topic:

Cancer Multidrug Resistance: A New Method and A New Hope

Dr. Paul C.H. Li

Department of Chemistry, Simon Fraser University,
Burnaby, BC, V5A 1S6, Canada



Abstract

Multidrug resistance (MDR), which is caused by drug efflux via ATP-binding cassette (ABC) transporters, is one of the major obstacles in cancer drug delivery. MDR may be overcome by using inhibitors. But the use of MDR inhibitors may lead to drug toxicity, resulting in failure in clinical trials. We now employ a new method called microfluidic single cell biochip (SCB) technology to measure drug uptake in patients' cancer cells in vitro. We measure the drug uptake in the single cancer cells, and its enhancement by using MDR inhibitors. The new use of this SCB method is to use the result of drug uptake enhanced by MDR inhibitors to indicate a good prognosis for leukemia patient treatment. Although MDR is an old concept, we apply a new method called SCB to open up the new hope of using MDR inhibitors for patient treatment.

Introduction of Dr. Paul C.H. Li

Dr. Paul Li obtained his Ph.D degree in analytical chemistry at the University of Toronto in 1995. Then, he developed the microfluidic lab-on-a-chip at the University of Alberta during his postdoctoral work. Dr. Li became assistant professor at City University of Hong Kong in 1996. He then joined Simon Fraser University in 1999, and was promoted to full professor in 2010.

Dr. Li is interested in integrating microfluidics for single-cell analysis in order to study the transport kinetics of chemical compounds (from herbs) on individual cancer cells. This study is particularly useful for studying multidrug resistant cancer cells, leading to potential applications in chemotherapy. He is also interested to combine microfluidics with the nucleic acid bioarray for detection of low volume and low concentration of fungal pathogenic DNA, KRAS cancer gene DNA, and influenza viral RNA. To enhance specificity, he uses nanoparticles and nanostructured materials in the microfluidic systems. He has published Fundamentals of Lab on

a Chip for Biological Analysis and Discovery in 2010, and *Microarray Technology: Methods and Applications* in 2016. He is associate editor of *Canadian Journal of Pure and Applied Sciences*, and sits on the editorial boards of *Journal of Proteomics and Genomics* and *Hong Kong Pharmaceutical Journal*. He has been visiting professors at the University of Mainz (Germany), Queensland Institute for Medical Research (Australia), National Cancer Institute (USA), Griffith University (Australia), and Australian Prostate Cancer Centre. Dr. Li is the inventor of 4 granted patents and 5 pending patents, and he is the founder and vice president of ZellChip Technologies Inc. specializing in microfluidic-based instruments for life science applications.

Social Sciences Keynote Speech (1)

Pavillion 2, 9th Floor

10:30-12:00, Friday, February 23, 2018

Topic:

The Socio-economic Impact of Generational Teaching

Prof. Gary E. Swanson

International Director of Media, Film & Journalism - The International Academic Forum, Japan

Former Distinguished Journalist-in-Residence & Mildred S. Hansen

Endowed Chair in Journalism

University of Northern Colorado, USA



Abstract

Plagiarism is rampant. It has more than likely touched every one of us – in our private lives and as educators. Chances are, we have been misled or lied to or we, ourselves, have done the lying or misleading. It's all part of a larger issue - a breakdown of the most critical “core” values within our socio-economic and cultural fabric. Plagiarism is rampant. It has more than likely touched every one of us – in our private lives and as educators. Chances are, we have been misled or lied to or we, ourselves, have done the lying or misleading. It's all part of a larger issue - a breakdown of the most critical “core” values within our socio-economic and cultural fabric. In his book “Why We Lie” David Livingstone Smith tells us that: “Deceit is the Cinderella of human nature; essential to our humanity but disowned by its perpetrators at every turn. It is normal, natural, and pervasive.” He says from the fairy tales our parents told us to the propaganda our governments feed us, human beings spend their lives surrounded by pretense. But as educators, now teaching the new generations Y and Z, we are confronted with the dilemma of how to teach the essential values of ethics including honesty, citizenship and hard work in a world perpetrated by dishonesty and deceit. Regardless of who is to blame - parents, the media, society in general - it's our responsibility to teach and reinforce strong values that will help our students handle higher education, relationships, work and the social order to become better citizens and human beings.

Introduction of Prof. Gary E. Swanson

Professor Gary E. Swanson is an internationally recognized and highly acclaimed speaker, educator, photojournalist, documentary and news producer, director, editor and consultant. He has given numerous keynote speeches, served as organizer and chair at conferences, presented workshops and lectured at embassies, festivals, and universities throughout 30 countries in South America, Africa, Europe, The Middle East, Asia, Oceania, British Columbia, and the United States.

Professor Swanson is currently the International Director of Programme for Media, Film & Journalism at IAFOR in Nagoya, Japan. He is also President and CEO of Dimage Studios – a video and photography production company & art gallery in Pennsylvania, USA. Swanson is a three-time Fulbright Scholar to Portugal and the People's Republic of China. He covered the 1992 Olympics in Barcelona, Spain for NBC News, and in 2008 was Commentator for China Central Television International (CCTV-9) and their live coverage of the Beijing Olympic Games. Professor Swanson continued his on-air work with CCTV-4 as distinguished live guest and commentator in London the summer of 2012. From 2007-2015 Swanson was the Distinguished Journalist-in-Residence and Mildred S. Hansen Endowed Chair in Journalism at the University of Northern Colorado. He was Professor and Director of Television for nine years at the Medill School of Journalism at Northwestern University. Professor Swanson has also taught at DePauw University in Indiana and at Elon University in North Carolina. He spent 23 years as an educator teaching undergraduate and graduate students at the university level.

Prior to his work in academe, Swanson compiled a distinguished professional broadcast career spanning 13 years at NBC News - producing award-winning documentaries, prime-time news magazine stories, and covering “breaking news” in 26 states and Canada for the network - including trips and campaigns of presidents Ronald Reagan, George H. W. Bush, and Bill Clinton.

Swanson has earned more than 80 awards for broadcast excellence and photojournalism including three national EMMY’s, the duPont Columbia Award, two CINE “Golden Eagles,” 16 TELLY’s, the Monte Carlo International Award, the Hamburg International Media Festival’s Globe Award, the 2011 Communitas Outstanding Professor and Educator award, the 2012 Professor of the Year Award, and many others.

His photography has won numerous awards and his work has been displayed in art galleries worldwide and published in books and magazines including: Frommer’s Travel Guide, Travel + Leisure, Photo District News (PDN), Shutterbug, and many others.

Social Sciences Keynote Speech (2)

Pavillion 2, 9th Floor

10:30-12:00, Friday, February 23, 2018

Topic:

Academic Strategists and Change Agents: The Role and Function of Today's Instructors in Guiding Tomorrow's Educational Pathways

Prof. Bob Barrett

American Public University



Abstract

Long gone are the days of Aristotle and Socrates and their teaching approaches and strategies. Now, centuries later, academics are still struggling with their mission of teaching, but yet changing the role and impact of their teaching in today's society. While governments and economies change continuously, the role and function of the teacher as the model citizen situated in a place of "respect" and "admiration" held by some cultures, it may not be the same in all cultures. However, this should not stop our mission as academic strategists and change agents to make a difference in not only our educational systems, but also to help form and guide tomorrow's educational pathways. How can we make such changes and be heard, seen, and respected as the "Sage on Stage" and also be valued as an important shaper of minds for today and tomorrow? One way we can fulfill this mission is by gathering together in conferences, exchanging ideas and business cards to start growing our learning network, as well as working on joint publishing efforts to help strengthen our academic researching efforts and leave our mark on the academic community. Also, we can take strive towards accomplishing a better sense of "community" and "pride" as educators who can make a difference, can cause change, and pioneer more educational accomplishments. The key focus of this presentation will be to focus on the concept of "Global Educational Pride" in the context of creating a stronger, unified "Global Educational Community of Practice" to commence with this and future conferences to demonstrate that we, as educators, are forward thinkers, strategists, change agents, and concerned citizens of the global educational movement.

Introduction of Prof. Bob Barrett

Dr. Bob Barrett received his Ed.D. in the field of Human Resource Development from The George Washington University in Washington, DC. He has done additional studies at Gallaudet

University (for the Deaf and Hard of Hearing) and USDA _ Graduate School in Washington, DC, USA and University of Maryland _ College Park. He has been teaching online for the past sixteen years (and taught publicly in several face-to-face academic institutions before transitioning over completely to online teaching). He is a Full Professor in the School of Business at the American Public University, as well as teaching military students in the American Military University. In addition, he has been an adjunct instructor with other online MBA programs, as well as served both as a course developer and online teacher/trainer. His research interests include online learning, disability, teacher training, knowledge management, HRD Forensics, educational technology, and intellectual capital. His specialization has been concentrated on human and intellectual capital, as well as knowledge management in the context of human resource management and human resource development. While he has been focused on the education of both military and civilian students, he particularly enjoys the teaching of organizational consulting, human resource management, human resource development, and strategic management. Dr. Barrett has worked in the both the private and public sectors, but he has been teaching online for the past sixteen years, in addition to teaching in the Face-to-Face (F2F) sector for several years prior to online teaching. He has spoken extensively at various international conferences in Europe, South America, and Asia. He has served on multiple international conferences in the areas of intellectual capital, knowledge management, human resource management, education and psychology, online learning, business entrepreneurship, educational technology, and management. He has published several book chapters and articles in peer-reviewed journals in the international context. He is a progressive and forward-thinking professor who strongly believes in lifelong learning, serves as a disability advocate for disability rights in the workplace and education, as well as a strong supporter for a new educational movement for online learning progression. He believes that education is right that all people should have access at all times to continue their lifelong learning quest.

Oral Sessions

Computing & IT Sciences/ Electrical & Electronic Engineering

Friday, February 23, 2018

08:45-10:15

Pavillion 1

Session Chair: *Prof. Wen-Teng Chang*

TICEAS-0031

Back Biasing on n-/ p- Type Ultra-Thin Body and Buried Oxide Fully Depleted Silicon-on-Insulator

Wen-Teng Chang | *National University of Kaohsiung*

Jhao-Lin Wu | *National University of Kaohsiung*

Yen-Chieh Huang | *National University of Kaohsiung*

TICEAS-0042

GA Combined SA for Task Scheduling with Time Constraint and Communication Time

Myungryun Yoo | *Tokyo City University*

Takanori Yokoyama | *Tokyo City University*

TICEAS-0122

A Novel Folding Technique for Direct Acquisition of Precision Code in Satellite Communication Systems

Eunyoung Cho | *Sungkyunkwan University*

Keunhong Chae | *Sungkyunkwan University*

Seokho Yoon | *Sungkyunkwan University*

TICEAS-0124

Braille Image Extraction Using Convolutional Neural Network

Yuntai Kyong | *Gachon University*

Jinsoo Cho | *Gachon University*

Woo Sung Park | *Gachon University*

Eui-jin Ahn | *Gachon University*

Incheol Jeong | *Gachon University*

Education (1)

Friday, February 23, 2018

08:45-10:15

Pavillion 2

Session Chair: *Prof. Mindy Andino*

ICEASS-0111

Utilizing Community Organizing to Address the Inequalities of Gender and Power in High Education

Mindy Andino | *Bloomsburg University of Pennsylvania*

Reanna Peritz | *Bloomsburg University of Pennsylvania*

ICEASS-0065

Assistive Technology in Special Needs Centers: Availability and Attitude

Mohammad Fteiha | *Abu Dhabi University*

Deena ElSORI | *Abu Dhabi University*

Ghanem Al Bustami | *Abu Dhabi University*

ICEASS-0070

Fostering Autonomous Learners of Vocabulary Acquisition Using Content-Based ICT Methods

Mariko Matsubara | *Osaka Kyoiku University*

Haruyo Yoshida | *Osaka Kyoiku University*

ICEASS-0082

Mentoring within a Graduate TEFL Program Coaching System

Hiroko Kashimoto | *Osaka Kyoiku University*

Bruce Malcolm | *Osaka Kyoiku University*

Haruyo Yoshida | *Osaka Kyoiku University*

ICEASS-0141

Comparison of Practical Color Application by Visual Artists in Different Fields – A Sharing of Their Learning, Teaching and Practical Experience of Color Theory

Woon Lam Ng | *Nanyang Technological University*

Fundamental and Applied Sciences (1)

Friday, February 23, 2018

13:00-14:30

Pavillion 1

Session Chair: *Prof. Taho Yang*

TICEAS-0020

A Robust Design for Semiconductor Crystal-Pulling Manufacturing

Taho Yang | *National Cheng Kung University*

TICEAS-0028

A Heuristic Algorithm for Production Scheduling and Sequencing Problems using VBA on Excel

Pornrat Thumrongvut | *Suranaree University of Technology*

Nara Samattapapong | *Suranaree University of Technology*

TICEAS-0044

The Larvicidal and Pupicidal Potential of Botanical Essential Oils against *Aedes Albopictus* (Skuse.)

Nuttavich Cotchakaew | *King Mongkut's Institute of Technology Ladkrabang*

Mayura Soonwera | *King Mongkut's Institute of Technology Ladkrabang*

TICEAS-0045

Mosquito Repellent Potential of Plant Essential Oils: Eco-Friendly Agents against Mosquito Vectors

Nuttavich Cotchakaew | *King Mongkut's Institute of Technology Ladkrabang*

Mayura Soonwera | *King Mongkut's Institute of Technology Ladkrabang*

TICEAS-0054

Effects of Pre-Treatment on the Quality of Deep Fat Frying Sweet Potatoes

Sirinart Boonloy | *King Mongkut's Institute of Technology Ladkrabang*

Varesa Chuwattanakul | *King Mongkut's Institute of Technology Ladkrabang*

TICEAS-0067

Film Drainage and Coalescence of Droplets in Flow through a Tube at Low Reynolds Number

Masahiro Muraoka | *Tokyo University of Science*

Haruhito Sakurai | *Tokyo University of Science*

Finance / Economics /Business

Friday, February 23, 2018

13:00-14:30

Pavillion 2

Session Chair: *Prof. Joon Ho Hwang*

ICEASS-0085

Stock Price Manipulation through Spreading False Rumor

Jae Sung Lee | *University of Wisconsin*

Se-Hak Chun | *Seoul National University of Science and Technology*

Joon Ho Hwang | *Korea University*

ICEASS-0032

Volatility of Crude Oil Prices, Foreign Exchange Exposures, and Company's Performance: Empirical Evidence from Taiwanese 3PL Industry

Chiu-Ming Hsiao | *National Yunlin University of Science and Technology*

Chun-Hsuan Lin | *National Yunlin University of Science and Technology*

Bo-Wei Fang | *National Yunlin University of Science and Technology*

Yen-Ju Tang | *National Yunlin University of Science and Technology*

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

Wen-Yen Fan | *National Yunlin University of Science and Technology*

ICEASS-0060

Labor Unions and Global Bank Loan Market

Chih-Yung Lin | *Yuan Ze University*

ICEASS-0089

The Effect of Corporate Social Responsibility on Audit Fees According to Environmental Uncertainty: Evidence from Korean Listed Companies

Panpan Feng | *Chonnam National University*

Seongil Jeon | *Chonnam National University*

ICEASS-0101

Development of Indonesian Biodiesel and Its Role in Global Market

Jan Horas Veryady Purba | *Sekolah Tinggi Ilmu Ekonomi Kesatuan*

ICEASS-0160

Market Orientation of Exporting SMEs

Insik Jeong | *Korea University*

Eunmi Kim | *Korea University*

Chemical Engineering / Material Science and Engineering

Friday, February 23, 2018

14:45-16:15

Pavillion 1

Session Chair: *Dr. Nathnarong Khajohnsaksumeth*

TICEAS-0114

On Unidirectional Flows in Microchannels with Slip at the Boundary

Grant Keady | *Curtin University*

Nathnarong Khajohnsaksumeth | *Mahidol University*

Benchawan Wiwatanapataphee | *Curtin University*

TICEAS-0064

Cellulose/Starch Gel Hybrids Synthesized by Adsorption Method with Silica and Applied as New Reinforcing Agents for SBR Rubber Latex

Xiangxu Li | *Korea University of Technology and Education*

Dam Hee Lee | *Korea University of Technology and Education*

Ur Ryong Cho | *Korea University of Technology and Education*

TICEAS-0081

The Performance of Malaysian Ilmenite as Weighting Material in a Sarapar-Based Mud System

Norhafizuddin Husein | *Universiti Teknologi Malaysia*

Issham Ismail | *Universiti Teknologi Malaysia*

Jesten Nigeil James Vincent | *Universiti Teknologi Malaysia*

Natalie Vanessa Boyou | *Universiti Teknologi Malaysia*

TICEAS-0082**The Effect of Polypropylene Beads on Cuttings Transport Ratio in Different Hole Angles**

Natalie Vanessa Boyou | *Universiti Teknologi Malaysia*

Issham Ismail | *Universiti Teknologi Malaysia*

Hemakkesha K Arumugam | *Universiti Teknologi Malaysia*

Norhafizuddin Husein | *Universiti Teknologi Malaysia*

Abdul Razak Bin Lebai Ismail | *Universiti Teknologi Malaysia*

TICEAS-0123**A Saving Algorithm Applying for Solving Vehicle Routing Problems Using by Visual Basic for Application**

Ploypailin Phumkhokrak | *Suranaree University of Technology*

Nara Samattapapong | *Suranaree University of Technology*

Education (2)

Friday, February 23, 2018

14:45-16:15

Pavillion 2

Session Chair: *Prof. Bob Barrett*

ICEASS-0159

**Transitioning of Teacher-Centered Lecturing to Student-Centered Learning Presentations:
Enhancing Student Researching and Communications Skills Sets**

Bob Barrett | *American Public University*

ICEASS-0027

**Developing Inclusive Education Systems in Indonesia: A Closer Look at Its
Implementation in the Past 15 Years**

Atikah Haira | *New Mexico State University*

Sathiyaprakash Ramdoss | *New Mexico State University*

ICEASS-0121

The Pavilion: Design/Make as an Alternative Practice

Veronica, Foong-Peng, Ng | *Taylor's University*

ICEASS-0128

**Educating Parents -"Avoiding Presentment of Disaster in Their Child Career" - My
Experimentation**

Vinita Chopra | *DSK International Campus*

ICEASS-0130

The Illusion and the Truth about the Polarization of Education in Korea

Bok Rae Kim | *Andong National University*

Civil Engineering / Environmental Engineering (1)

Friday, February 23, 2018

16:30-18:00

Pavillion 1

Session Chair: *Prof. Yeong-Min Kim*

TICEAS-0048

A Study on the Lateral Stiffness Assurance Method for Hanok

Yeong-Min Kim | *Myongji University*

Bum-Soo Park | *Myongji University*

TICEAS-0015

Analysis of Plan Irregularity of Hanok for Seismic Load

Ye-Ji Lee | *Myongji University*

Yeong-Min Kim | *Myongji University*

TICEAS-0016

Structural Planning of Multi-Story Hanok for Seismic Load

Jung-Ah Hong | *Myongji University*

Yeong-Min Kim | *Myongji University*

TICEAS-0094

Sulfide Wastewater Treatment by a Sulfide Oxidation/Vanadium(V) Reduction Fuel Cell

Khonkhom Phunyim | *Chaing Mai University*

Pimluck Kijjanapanich | *Chaing Mai University*

TICEAS-0095

Stabilization of Cadmium Contaminated Soil in Abandoned Zinc Mine Area

Ratchada Inkham | *Chiang Mai University*

Vililuck Kijjanapanich | *Chiang Mai University*

Panlop Huttagosol | *Chiang Mai University*

Pimluck Kijjanapanich | *Chiang Mai University*

TICEAS-0120

Impact of Neighborhood Environment on Health of Sustainable Building Occupants: A Case Study for 4 Buildings in Hong Kong

Isabelle Y.S. Chan | *University of Hong Kong*

Anita M.M. Liu | *University of Hong Kong*

Bing Chen | *University of Hong Kong*

TICEAS-0121

BIM-Facilitated Cost Engineering in Construction: A Case Study

Isabelle Y.S. Chan | *University of Hong Kong*

Anita M.M. Liu | *University of Hong Kong*

Bing Chen | *University of Hong Kong*

Culture / Society

Friday, February 23, 2018

16:30-18:00

Pavillion 2

Session Chair: *Prof. Victor W. Harris*

ICEASS-0002

Assessing Multicultural Competence (Knowledge and Awareness) in Study Abroad Experiences

Victor W. Harris | *University of Florida*

Mathusami Kumaran | *Family, Youth, and Community Sciences*

Heidi Jones Harris | *Condordia University*

ICEASS-0056

Analysis of Masculinity Concept in the Story of Pandavas Leather Flat Puppet

Atsarina Luthfiyyah | *Gadjah Mada University*

ICEASS-0058

Regression Analysis of the Determinants of the Quality of Life of Elderly Residents in Long-Term Care Facilities: ICF Framework

Yi-Chang Chen | *National Taiwan University*

Chen-Jung Chen | *Mackay Medical College*

Keh-Chung Lin | *National Taiwan University*

Ching-Yi Wu | *Chang Gung University*

ICEASS-0063

Being Poor in Lion City: Three Single Mothers' Experience in Singapore

Mercy Karuniah Jesuvadiah | *National Institute of Education*

ICEASS-0069

Culture Shock Study of Pattani Thailand Students on Their Social Environment

Tessa Shasrini | *Islamic University of Riau*

Dyah Pithaloka | *Islamic University of Riau*

Happy Wulandari | *University putra Malaysia*

Mechanical Engineering

Saturday, February 24, 2018

08:45-10:15

Pavillion 1

Session Chair: *Prof. Yoshikazu Higa*

TICEAS-0006

Computational Simulation for Contribute to Unexploded Bomb Disposal Problem using SPH Scheme

Yoshikazu Higa | *National Institute of Technology, Okinawa College*

Hirofumi Iyama | *National Institute of Technology, Kumamoto College*

Ken Shimojima | *National Institute of Technology, Okinawa College*

Osamu Higa | *National Institute of Technology, Okinawa College*

TICEAS-0004

Maximizing Terminal Berth Space Availability in Discontinuous Berth Layout

H. L. Ma | *Hang Seng Management College*

Felix T. S. Chan | *The Hong Kong Polytechnic University*

TICEAS-0013

Minimization of Makespan for Production Scheduling with Multi-Resources Maintenance Problem by a Hybrid Algorithm

Xiaoyue Fu | *The Hong Kong Polytechnic University*

Felix T. S. Chan | *The Hong Kong Polytechnic University*

Ben Niu | *Shenzhen University*

S. H. Chung | *The Hong Kong Polytechnic University*

TICEAS-0059

A Data-Based Adaptive Learning Control for Uncertain Linear Systems

Shih-Yu Lin | *Hwa Hsia University of Technology*

Yu-Chun Chiang | *Yuan Ze University*

Li-Fu Hsu | *Hwa Hsia University of Technology*

TICEAS-0128

Study on a Small Stirling Cycle Machine as Practical Use

Toshio Otaka | *Kokushikan University*

Atsushi Nagasawa | *Toshiba Carrier corporation*

TICEAS-0141

Mixed Convective Enhancement for a Novel Flat-Plate Solar Water Collector Using Metal-Foam Blocks

Po-Chuan Huang | *National Taipei University of Technology*

Chien Cheng Hung | *National Taipei University of Technology*

Fundamental and Applied Sciences (2) / Biomedical

Engineering

Saturday, February 24, 2018 10:30-12:00 Pavillion 1

Session Chair: *Prof. Saied A. Shrief*

TICEAS-0012

Drought Tolerance Indices and Water Use Efficiency in Some Egyptian Wheat Genotypes

Saied A. Shrief | *Cairo University*

Ashraf A. Abd El-Mohsen | *Cairo University*

TICEAS-0034

Effect of Temperature and pH on the Color Stability and Degradation Kinetics of Anthocyanin in Roselle Extract

Hai-Yao Wu | *National Chung Hsing University*

Po-Yuan Chiang | *National Chung Hsing University*

TICEAS-0035

Study on Forming Mechanisms and Simulated Gastrointestinal Characteristics of Starch-Alginate Emulsified Encapsulation

Yi-Ying Lin | *National Chung Hsing University*

Po-Yuan Chiang | *National Chung Hsing University*

TICEAS-0036

The Performance of Different Kinds of Colloids and Its Functions of Starch Films

Hung-Chi Peng | *National Chung Hsing University*

Po-Yuan Chiang | *National Chung Hsing University*

TICEAS-0103

Effects of Genital Nerve Stimulation on Bladder Continence in Spinal Cord Injured Individuals

Chih-Wei Peng | *Taipei Medical University Hospital*

Shih-Ching Chen | *Taipei Medical University Hospital*

TICEAS-0130

Multi-Dimensional Hybrid Nano Structure of $\text{Co}_3(\text{PO}_4)_2$ and Graphene for Energy Electrodes

Youngho Seo | *Yonsei University*

Su Chan Lee | *Yonsei University*

Seong Chan Jun | *Yonsei University*

Psychology

Saturday, February 24, 2018 13:00-14:30 Pavillion 1

Session Chair: *Asst. Prof. DR. Wilawan Inchamnan*

ICEASS-0091

Gamification as a Therapeutic Strategy for Aging People in Thailand

Wilawan Inchamnan | *Dhurakij Pundit University*

Pranomporn Dokparkhon | *Dhurakij Pundit University*

ICEASS-0083

The Family Happiness and Family Burden Management of Stroke Patient through Integrative Family Counseling Program

Nimnual Chuyingsakultip | *Burapha University*

Pennapha Koolnaphadol | *Burapha University*

Pracha Inang | *Burapha University*

ICEASS-0087

The Influence of Psychological Factors on Employee Motivation of an Organization Mount Mary Institute Nagaland

Nukshilemla Chuba | *Kalinga University*

ICEASS-0135

Television Company Must Innovate or Die: The Effect of Psychological Capital to Innovative Working Behavior in Television Creative Industry

Kamila Nurul Alimah | *University of Indonesia*

Endang Parahyanti | *University of Indonesia*

Communication / Law & Politics

Saturday, February 24, 2018

14:45-16:15

Pavillion 1

Session Chair: *Prof. Nagiko Lee*

ICEASS-0100

Politeness Strategies in Japanese: How to Initiate the Speech Act of Request

Nagiko Lee | *Ritsumeikan University*

ICEASS-0062

Influence of Power Messages Advertisement And Credibility Celebrity Endoser Indomie Advertising to Brand Awareness In Television

Afrina Sari | *Universitas Budi Luhur, Indonesia*

Yuni Octavia | *Universitas Budi Luhur, Indonesia*

ICEASS-0097

Legal Protection for the Victim Who Have Stockholm Syndrome

Nency Dina Kharisma | *Universitas Muhammadiyah Yogyakarta*

Rama Cahyo Wicaksono | *Universitas Muhammadiyah Yogyakarta*

ICEASS-0105

Communicate Without Border: Subtitle as an Effort for Television Inclusiveness

Atikah Az Zahidah | *Universitas Gadjah Mada*

Devi Ratnasari | *Universitas Gadjah Mada*

Fina Nailur Rohmah | *Universitas Gadjah Mada*

Priscila Asoka Kenasri | *Universitas Gadjah Mada*

ICEASS-0164

Communicate Without Border: Subtitle as An Effort for Television Inclusiveness

Devi Ratnasari | *Universitas Gadjah Mada*

Atikah Az Zahidah | *Universitas Gadjah Mada*

Fina Nailur Rohmah | *Universitas Gadjah Mada*

Priscila Asoka Kenasri | *Universitas Gadjah Mada*

Education (3)

Saturday, February 24, 2018 16:30-18:00 Pavillion 1

Session Chair: *Prof. Suzanne Rose Duran*

ICEASS-0018

Lived-Experiences of Principals Working in the Family-Owned Schools: A Phenomenological Study

Suzanne Rose Duran | *Agro-Industrial Foundation College of the Philippines*

ICEASS-0010

Integration of Peace Education towards Environment and the Performance of Students in Science and Technology IV

Intesar T. Aba-Condong | *Mindanao State University*

ICEASS-0047

Merao High School Students Understanding of Key Chemical Concept in Stoichiometry and Their Problem Solving Difficulties

Nurlailah Manoga | *Department of Education*

ICEASS-0119

A New Design Education Paradigm - An Multi-Disciplinary Research Approach

Tris Kee | *Technological and Higher Education Institute, Hong Kong*

ICEASS-0143

The Development of Mathematics for Financial Course Syllabus for 11th Grade Students at Khonkaenwittayayon2 School in the Khon Kaen Province, Thailand

Chatchawan Nampreeda | *Khonkaenwittayayon2 School*

Computing Science & IT Engineering / Electrical & Electronic

Engineering (1)

Friday, February 23, 2018 13:00-14:00 Pre-Function Area, 9F

TICEAS-0098

Developing a Decision Support Model for Energy Performance Estimation of Residential Buildings Design: Bayesian Network Based Approach

Wattana Pongsena | *Suranaree University of Technology*

Kittisak Kerdprasop | *Suranaree University of Technology*

Nittaya Kerdprasop | *Suranaree University of Technology*

TICEAS-0110

Bayesian Decision Network Approaches for HPC Log Analysis: Case Study of NECTEC HPC System

Anupong Banjongkan | *Suranaree University of Technology*

Nittaya Kerdprasop | *Suranaree University of Technology*

Kittisak Kerdprasop | *Suranaree University of Technology*

TICEAS-0129

Ransomware Detection Method Using API Monitoring

Ji-Ho Cho | *Hannam University*

Geuk Lee | *Hannam University*

TICEAS-0131

Context-Aware Framework for User Security in Mobile Computing

Wonseok Kim | *Hannam University*

Temuujin B | *Hannam University*

Euiin Choi | *Hannam University*

TICEAS-0134

Feasibility Study on Utilizing Management Information Base for Detecting Possible VLAN Hopping Attack

Kwangjun Kim | *Hannam University*

Manhee Lee | *Hannam University*

TICEAS-0052

Influence of Boron Concentration in Silicon Quantum Dots on Organic Polymer Solar Cells

Keita Kato | *Tokyo Denki University*

Keisuke Sato | *Tokyo Denki University*

Kenji Hirakuri | *Tokyo Denki University*

TICEAS-0053

Effect of Surface Composition on Fluorescence Properties of Porous Silicon Films with Ordered Micropores

Masayuki Suzuki | *Tokyo Denki University*

Keisuke Sato | *Tokyo Denki University*

Kenji Hirakuri | *Tokyo Denki University*

TICEAS-0056

Optimized Fluorescent and Magnetic Characteristics of Ammonium Silicon Fluoride/Magnetite Composite Microparticles

Masaya Kudo | *Tokyo Denki University*

Keisuke Sato | *Tokyo Denki University*

Hiroaki Sukegawa | *National Institute for Materials Science*

Kenji Hirakuri | *Tokyo Denki University*

TICEAS-0066

Characteristics of Powdery State of DLC by Oxygen Plasma Treatment

Kyoichi Terai | *Tokyo Denki University*

Yasuharu Ohgoe | *Tokyo Denki University*

Kenji Hirakuri | *Tokyo Denki University*

TICEAS-0071

The Influence of Al Doping Methods on AZO Nanorods Grown on PET Substrate

Se Hyeon Park | *Korea Maritime and Ocean University*

Jae Heon Ock | *Korea Maritime and Ocean University*

Nakwon Jang | *Korea Maritime and Ocean University*

Sung Hwan Lee | *Uiduk University*

TICEAS-0144

**Golden Section Method Based Two-Level Algorithm for Multi-Objective Risk-Limiting
Optimal Power Flow Problems**

Shin-Yeu Lin | *Chang Gung University*

Yu-Syuan Cheng | *Chang Gung University*

Material Science and Engineering (1)

Friday, February 23, 2018 14:15-15:15 Pre-Function Area, 9F

TICEAS-0003

Preparation of Ti Ingot with Low Oxygen Concentration by Deoxidation and Subsequent Melting

Jae-Won Lim | *Chonbuk National University*

Jung-Min Oh | *Chonbuk National University*

TICEAS-0025

Novel Red-Emitting $Y_4Zr_3O_{12}:Eu^{3+}$ Nanophosphor: Synthesis and Its Application in Solid-State Lighting

Jin Young Park | *Pukyong National University*

Jong Won Chung | *Chanwon National University*

Hyun Kyoung Yang | *Pukyong National University*

TICEAS-0040

Graphene-Based Wearable Triboelectric Nanogenerators Assembled by Layer-by-Layer Technique

Yong Tae Park | *Myongji University*

Dongseob Kim | *Korea Institute of Industrial Technology*

TICEAS-0043

Photo-Spin Voltaic Effect and Photo-Magnetoresistance in Proximized Platinum

Antonio Ruotolo | *City University of Hong Kong*

TICEAS-0046

Effects of Co Charge Compensation on the Thermoelectric Properties of P-Type $(R_{1-z}R'_z)_yFe_{4-x}Co_xSb_{12}$ Skutterudites

Soon-Chul Ur | *Korea National University of Transportation*

Dong-Kil Shin | *Korea National University of Transportation*

Il-Ho Kim | *Korea National University of Transportation*

TICEAS-0047

Mechanical and Thermoelectric Properties of Cu-Doped $\text{Bi}_{0.4}\text{Sb}_{1.6}\text{Te}_3$ Processed by EM-HE and EM-HP

Woo-Jin Jung | *Korea National University of Transportation*

Il-Ho Kim | *Korea National University of Transportation*

TICEAS-0086

Reduced Graphene Oxide/Layered Double Hydroxide Composite as Supercapacitor for Stable-Voltage Solar Cell

Nuttapop Kesornthiean | *Chulalongkorn University*

Nuttapol Pootrakulchote | *Chulalongkorn University*

TICEAS-0145

Microstructure and Superconducting Properties of MgB_2 -M

Jung-Ho Ahn | *Andong National University*

Material Science and Engineering (2) / Chemical Engineering

Friday, February 23, 2018 15:30-16:30 Pre-Function Area, 9F

TICEAS-0091

Upconversion Luminescence Properties NaLuGdF₄:Yb³⁺/Er³⁺ Nanoparticles for Bio-Imaging Application

Jong Won Chung | *Changwon National University*

Jin Young Park | *Pukyong National University*

Hyun Kyoung Yang | *Pukyong National University*

Yong Ill Lee | *Changwon National University*

TICEAS-0096

3D Graphene Reinforced Cu Composite

Chang-Hoon Lee | *Chosun University*

Byung-Sang Choi | *Chosun University*

TICEAS-0104

Fabrication and Shape Memory Characteristics of Highly Porous Ti-Nb-Mo Alloys

Yeon-wook Kim | *Keimyung University*

TICEAS-0112

Preparation and Characterization of Iron-Oxide Thin Films as a Solar Cell Material by the Coating Thermal Decomposition Method

Takashi Yamamoto | *Tokyo University of Science*

Felicia Iacomi | *"Alexandru Ioan Cuza" University of Iasi*

Shizutoshi Ando | *Tokyo University of Science*

TICEAS-0126

Investigation of Substrate Heating Effect for Solution Deposited Zinc Tin Oxide Thin Film Transistor

Kwang Ho Kim | *Korea Electronics Technology Institute*

Seul Gi Park | *Korea Electronics Technology Institute*

Byungwook Yoo | *Korea Electronics Technology Institute*

TICEAS-0027

Acetic Acid Concentration Process Using an Energy-Efficient Azeotropic Distillation Column

Young Han Kim | *Dong-A University*

TICEAS-0041

Layout Optimization of Fuel Gas Supply System with Safety Consideration

Kyungtae Park | *Korea Institute of Industrial Technology*

Hyeong Soon Moon | *Korea Institute of Industrial Technology*

TICEAS-0146

Magnetite Nanoparticles as Catalysts for Degradation of Lignocellulosic Biomass

Hyunseok Koo | *Chungbuk National University*

Bipinchandra K. Salunke | *Chungbuk National University*

Bilal Iskandarani | *Chungbuk National University*

Beom Soo Kim | *Chungbuk National University*

Poster Sessions (4)

Biomedical Engineering / Environmental Engineering /

Mechanical Engineering / Civil Engineering

Friday, February 23, 2018 16:45-17:45 Pre-Function Area, 9F

TICEAS-0057

Newly Developed HIPER-5000[®] for High Frequency Deep Heat Therapy in Patients with Shoulder Pain and Disability

Jeong Hwan Seo | *Chonbuk National University*

Gi-Wook Kim | *Chonbuk National University*

Sang Wook Oh | *Chonbuk National University*

Chul Gyu Song | *Chonbuk National University*

TICEAS-0068

Porous Nerve Guide Conduit with Nerve Growth Factor Gradient for Enhanced Nerve Regeneration

Jun Goo Kang | *Hannam University*

Tae Ho Kim | *Hannam University*

Se Heang Oh | *Dankook University*

Jin Ho Lee | *Hannam University*

TICEAS-0089

Functional PLGA/Inorganic Composite with Improved Mechanical and Biological Properties

Seul Ki Lee | *CHA University*

Cheol-Min Han | *Korea Institute of Science and Technology*

Wooram Park | *CHA University*

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

Ik Han Kim | *Korea University*

Yoon Ki Joung | *Korea Institute of Science and Technology*

Dong Keun Han | *CHA University*

TICEAS-0118

Effective Bone Regeneration by Plasmid DNA-Loaded Polycaprolactone/Hyaluronic Acid Hybrid Microspheres

Tae Ho Kim | *Hannam University*

Sae Hyun Kim | *Hannam University*

Ho Young Kim | *Dankook University*

Se Heang Oh | *Dankook University*

Jin Ho Lee | *Hannam University*

TICEAS-0119

Effective Bone Regeneration Using Alginate/Hyaluronic Acid Hydrogel with Ultrasound Stimulation

Sae Hyun Kim | *Hannam University*

Tae Ho Kim | *Hannam University*

Ho Young Kim | *Dankook University*

Se Heang Oh | *Dankook University*

Jin Ho Lee | *Hannam University*

TICEAS-0125

Choosing of Significant Independent Variables Affecting Site Index Using Random Forest Method

Se-Ik Park | *Chonbuk National University*

Hee-Jung Park | *Chonbuk National University*

Sang-Sub Han | *Chonbuk National University*

Sang-Hyun Lee | *Chonbuk National University*

TICEAS-0063

Hole Machining of Glass by Using Ultrasonic Longitudinal-Torsional Vibration and Abrasive Grains

Takuya Asami | *Nihon University*

Hikaru Miura | *Nihon University*

TICEAS-0061

Seismic Performance Evaluation of RC Frame Reinforced by Inverted-V Bracing System based on Capacity Design Method

Heonjun Ha | *Chungnam National University*

Keunyeong Oh | *Chungnam National University*

Young-Soo Chun | *Land & Housing Institute*

Byung-Ick Yoon | *AIMAC Structure Co., Ltd.*

Wooseok Kim | *Chungnam National University*

Kangmin Lee | *Chungnam National University*

TICEAS-0085

Influence on Detected Waveform from Cavity between Concrete and Steel Jacket by Elastic Wave Method

Yuma Kawasaki | *Ritsumeikan University*

Yuta Yasuda | *Ritsumeikan University*

TICEAS-0093

Concrete-Epoxy Interface Failure Analysis under Time-Dependent Loading

Yoseok Jeong | *Chungnam National University*

Keun Yeong Oh | *Chungnam National University*

WooSeok Kim | *Chungnam National University*

Poster Sessions (5)

Psychology

Saturday, February 24, 2018 10:00-11:00 Pre-Function Area, 9F

ICEASS-0066

The Relationship between Prenatal Mindfulness, Positive Emotions and Fetal Attachment

Jeong-Mun Heo | *Ajou University*

Min-Jeong Kim | *Ajou University*

Wan-Suk Gim | *Ajou University*

ICEASS-0067

The Relationships among Mindfulness, Self-Compassion, and Maternal-Fetal Attachment: The Mediating Effect of Perceived Stress

Jeong-Mun Heo | *Ajou University*

Min-Jeong Kim | *Ajou University*

Wan-Suk Gim | *Ajou University*

Jung-Yi Ma | *Ajou University*

Huiyeong Park | *Ajou University*

ICEASS-0073

Mindfulness and Pain: Focusing on Body Awareness and Pain Catastrophizing as Process Variables

Kyo-Lin Sim | *Ajou University*

Wan-Suk Gim | *Ajou University*

Young-Mi Song | *Ajou University*

Min-Jung Kim | *Ajou University*

ICEASS-0088

The Connection between Parental Bonding and Adolescent Peer Victimization

Dong Hun Lee | *Sung Kyun Kwan University*

Hae Jin Shin | *Seoul National University of Science and Technology*

Si Hyeong Kim | *Sung Kyun Kwan University*

ICEASS-0134

Exploring the Effectiveness of Health Behavior Gateways to Enhance Interest in the Use of Dental Floss

Mitsuhiro Amazaki | *Aichi University*

Chihiro Kemuriyama | *Gifu Shotoku Gakuen University*

ICEASS-0145

The Relationship among Exercise Participation Level, Exercise Motivation and Exercise Commitment in Recreational Sport Climbers

Yong-Teak Rhim | *Namseoul University*

Sung-Hyun Jung | *Korea National Andong University*

Han-Buyl Kim | *Korea National Sport University*

Deok-Jin Kim | *Namseoul University*

ICEASS-0146

The Mediation Effects of Subjective Age Perceptions on the Relationship between Resilience and Satisfaction with Life

Eunbyul Lee | *Chungnam National University*

Wonil Choi | *GIST College*

Soo Rim Noh | *Chungnam National University*

ICEASS-0150

Mediating Effect of Ego-Resilience on the Relationship between Physical Self-Efficacy and Life Satisfaction in Undergraduate Students

Kyung Ji Moon | *Pusan National University*

Kyung Hun Han | *Pusan National University*

Soo Rim Noh | *ChungNam National University*

ICEASS-0151

The Mediating Effect of Resilience on the Relationship between Future Time Perspective and Satisfaction with Life

Sun Hyun Moon | *Chungnam National University*

Kyung Hun Han | *Pusan National University*

Soo Rim Noh | *Chungnam National University*

Fundamental and Applied Sciences

Saturday, February 24, 2018 11:10-12:10 Pre-Function Area, 9F

TICEAS-0005

Protective Effect of *Thymus vulgaris* Oil Against Adriamycin Induced Hepatotoxicity in Albino Rats

Saber Sakr | *Faculty of Science, Menofia University*

Yosry Okdah | *Faculty of Science, Menofia University*

TICEAS-0009

Vitamin C Enhances *Coffea Arabica* Anticancer Properties through Apoptotic Pathway: a Comparative Study between Roasted and Unroasted Bean Extracts

Islam El-Garawani | *Faculty of Science, Menofia University*

Sobhy Hassab El-Nabi | *Faculty of Science, Menofia University*

Samraa El-Shafey | *Faculty of Science, Menofia University*

TICEAS-0032

The Optimal Operation Conditions for the Development of Shiitake Mushroom (*Lentinula Edodes*) Extrudates

Jinchyau Peng | *National Chung Hsing University*

Zong-Han Lee | *National Chung Hsing University*

Sheng-Chi Shen | *National Chung Hsing University*

TICEAS-0033

The Antioxidant Activities of the Shiitake Mushroom (*Lentinula Edodes*) Extrudates

Sheng-Chi Shen | *National Chung Hsing University*

Zong-Han Lee | *National Chung Hsing University*

Jinchyau Peng | *National Chung Hsing University*

TICEAS-0037

Density Functional Theoretical Study on Doubly Fused Benzothiadiazole Containing Conjugated Polymers for Organic Electronic Applications

Sungu Hwang | *Pusan National University*

TICEAS-0039

The Effect of Warm-Ups with Flexibility Exercise on the Isokinetic Moments of Non-Athletes

Jaehyun Yoo | *Sahmyook University*

TICEAS-0050

Dry-Extrusion of Asian Carp to Supplement Natural Methionine for Organic Poultry Production

Indu Upadhyaya | *University of Arkansas*

Komala Arsi | *University of Arkansas*

Ann M. Donoghue | *Poultry Production and Product Safety Research Unit*

Craig N. Coon | *University of Arkansas*

Michael Schlumbohm | *University of Arkansas*

Mian N. Riaz | *Texas A&M University*

Morgan B. Farnell | *Texas A&M University*

Abhinav Upadhyay | *University of Arkansas*

Adam J. Davis | *University of Georgia*

Dan J. Donoghue | *University of Arkansas*

TICEAS-0070

Development of Functional Membrane Filter that Can Absorb VOCs from Automotive Interior Trim Parts

Nag Jung Choi | *Chonbuk National University*

Byung Suk Lee | *Chonbuk National University*

Min Soo Kim | *Chonbuk National University*

Jun Cong Ge | *Chonbuk National University*

TICEAS-0072

Long-Term Study of Eutrophication Patterns and Some Physicochemical Factors Influencing the Trophic State in Chungju Reservoir, South Korea

Usman Atique | *Chungnam National University*

Md. Mamun | *Chungnam National University*

Sang-Jae Lee | *Chungnam National University*

Kwang-Guk An | *Chungnam National University*

Fundamental and Applied Sciences (2)

Saturday, February 24, 2018 13:00-14:00 Pre-Function Area, 9F

TICEAS-0075

Bayesian Network for Manufacturing Failure Root Cause Analysis

Anusara Hirunyanakul | *Suranaree University of Technology*

Nittaya Kerdprasop | *Suranaree University of Technology*

Kittisak Kerdprasop | *Suranaree University of Technology*

TICEAS-0080

Optimal Group Preventive Maintenance Policy for Multiple Identical Leased Devices with Weibull Lifetime Distributions by Using Failure Rate Reduction

Yu-Tzu Cheng | *National Taiwan University of Science and Technology*

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

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

Ruey-Huei Yeh | *National Taiwan University of Science and Technology*

TICEAS-0092

Fabrication and Improvement of Spectral Resolution from the One Dimensional Static Modulated Fourier Transform Spectrometer

Ju Yong Cho | *Hanseo University*

Won Kweon Jang | *Hanseo University*

TICEAS-0106

The Development of the Enterotoxigenic *Escherichia Coli* Ghost Vaccine Candidate by GI24 against Post Weaning Piglet Colibacillosis

Ja Young Moon | *Chonbuk National University*

Jeong Sang Cho | *Chonbuk National University*

Won Kyong Kim | *Chonbuk National University*

Enkhsaikhan Ochirkhuyag | *Chonbuk National University*

Jin Hur | *Chonbuk National University*

TICEAS-0113

DNA Barcoding of Plant Bugs (Insecta: Hemiptera: Miridae)

Junggon Kim | *Chungnam National University*

Wang-Hee Lee | *Chungnam National University*

Sunghoon Jung | *Chungnam National University*

TICEAS-0011

Evaluation of the Potential Effect of Allopurinol on the Albino Rat Fetuses

Abd El Wahab El Ghareeb | *Cairo University*

Mahmoud Amer | *Cairo University*

Heba Abd El-Rahman | *Cairo University*

Azza Shoker | *Cairo University*

TICEAS-0029

Ziziphus Spina-Christi Fruit Extract Suppresses Oxidative Stress and p38 MAPK Expression during Ulcerative Colitis in Rats via the Induction of Nrf2 and HO-1 Expression

Rafa Almeer | *King Saud University*

Sahar Mahmoud | *Cairo University*

Hatem Amin | *Helwan University*

Ahmed Abdel Moneim | *Helwan University*

TICEAS-0139

CFD Simulation of Gas Flow in Natural Gas Filtering System

Gyu-Mok Jeon | *Pusan National University*

Jong-Chun Park | *Pusan National University*

Poster Sessions (8)

Culture / Education/ Society / Law & Politics / Business

Saturday, February 24, 2018 14:10-15:10 Pre-Function Area, 9F

ICEASS-0053

Through Communitarianism Concept Discuss the Xunzi's Virtue Theory

Hui-Jung Lai | *Tsinghua University*

ICEASS-0149

**Secondary School Home Economics Teachers' Perception of the Public School Teachers
Employment Examination in South Korea**

Yoon-Jung Lee | *Korea University*

Eun Jeung Kim | *Joongdong Middle School*

ICEASS-0064

Aging Population and Long-Term Care Issues in Taiwan

Shun-Hsing Chen | *Oriental Institute of Technology*

King-Jang Yang | *Chung-Hua University*

ICEASS-0072

**Action Plan for Integrated Counseling Post Towards Higher Human Development Index in
the Region of Kertasemaya Community Health Center, District of Indramayu, West Java,
Indonesia**

Nunuk Nugrohowati | *Universitas Pembangunan Nasional "Veteran" Jakarta*

Lucy Widasari | *Universitas Pembangunan Nasional "Veteran" Jakarta*

Luh Eka Purwani | *Universitas Pembangunan Nasional "Veteran" Jakarta*

ICEASS-0092

Maternity Laws and Social Justice in India

Ritu Sharma | *University of Delhi*

ICEASS-0166

Selective Bias of Crisis News Coverage

Seungho Cho | *Soongsil University*