

Conference Program

February 1-3, 2016
Fukuoka, Japan

ACENS

Asian Conference on Engineering and Natural
Sciences

TLSBE

The International Conference on Life Sciences and
Biological Engineering

ICAS

International Conference on Applied Sciences

ISSSM

International Symposium on Social Sciences and
Management

ICEEPS

International Conference on Education, Psychology
and Society

ACENS

Asian Conference on Engineering and Natural Sciences

ISBN 978-986-5654-18-4

TLSBE

The International Conference on Life Sciences and Biological Engineering

ISBN 978-986-5654-35-1

ICAS

International Conference on Applied Sciences

ISBN 978-986-5654-34-4

ISSSM

International Symposium on Social Sciences and Management

ISBN 978-986-5654-17-7

ICEEPS

International Conference on Education, Psychology and Society

ISBN 978-986-89298-9-0

Content

General Information for Participants	5
International Committees.....	7
International Committee of ACENS.....	7
International Committee of TLSBE	8
International Committee of ICAS.....	9
International Committee of ISSSM	10
International Committee of ICEEPS	11
Special Thanks to Session Chairs.....	12
Conference Venue Information	14
Conference Schedule.....	15
Natural Sciences Keynote Speech.....	20
Social Sciences Keynote Speech (I)	21
Social Sciences Keynote Speech (II).....	23
Oral Sessions.....	24
Education (1)	24
Psychology (1).....	26
Politics & Laws & Society & Communication	28
Biological Engineering (1)	29
Management (1)	31
Chemistry & Chemical Engineering & Nanotechnology.....	33
Biology & Biological Engineering (2) & Life Sciences.....	35
Finance & Economics	37
Education (2)	39
Psychology (2).....	41
Electrical and Electronic Engineering.....	43
Physics & Materials Science and Engineering.....	44
Information Engineering and Technology	46
Education (3)	47
Management (2)	48
Earth Sciences & Environmental Engineering	50
Civil Engineering (1) & Transportation	52
Education (4)	53
Management (3)	54
Mechanical Engineering and Technology (1) & Aeronautics & Aerospace Engineering.....	56
Materials	58

Education (5)	59
Management (4)	60
Computer Technologies & Computer Engineering and Technology	61
Mechanical Engineering and Technology (2)	63
Education (6)	64
Culture.....	65
Industrial and Manufacturing Technologies	66
Civil Engineering (2)	67
Poster Session (1)	68
Materials/ Materials Science and Engineering/ Mechanical Engineering and Technology/ Computer Engineering and Technology/ Computer Technologies/ Earth Sciences.....	68
Poster Session (2)	73
Psychology/ Education.....	73
Poster Session (3)	78
Biological Engineering/ Biology/ Biomedical Technologies/ Biotechnology	78
Poster Session (4)	83
Economics/ Finance/ Society/ Management/ Culture/ Communication/ Life Sciences.....	83
Poster Session (5)	88
Electrical and Electronic Engineering/ Power & Energy Engineering/ Physics/ Engineering Technologies/ Environmental Engineering/ Chemical Engineering/ Chemistry/ Civil Engineering.....	88

General Information for Participants

■ **Registration**

The registration desk will be situated on the **4th Floor** at the **Fukuoka International Congress Center** during the following time:

12:30-18:00 Monday, February 1 , 2016

08:30-16:30 Tuesday, February 2 , 2016

08:30-12:00 Wednesday, February 3 , 2016

■ **Organizer**



Higher Education Forum (HEF)

Tel: + 886 2 2740 1498 | www.prohef.org



■ **A Polite Request to All Participants**

Participants are requested to arrive in a timely fashion for all addresses. Presenters are reminded that the time slots should be divided fairly and equally 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 ACENS

Kyung-Suk Cho, Ewha Womans University

Shigeo Honma, Tokay University

Abdullah Ozer, Sultan Qaboos University

Frank F.S. Shieu, National Chung Hsing University

Dennis Y.C Leung, The University of Hong Kong

Goh Joo Kheng, Monash University

Sheng-Yen Hsu, National Sun Yat-sen University

Jeng-Kuei Chang, National Central University

Thippayarat Chahomchuen, Kasetsart University

Yasuhiko Koike, Tokyo University of Agriculture

Istvan Toth, University of Queensland

Dr.S.Ahmed John, Jamal Mohamed College

Prof. Amel L, Magallanes, Capiz State University

Huada Daniel Ruan, Beijing Normal University-Hong Kong/Baptist University United

International College(UIC)

Farhad Memarzadeh, National Institutes of Health

Dr. Asif Mahmood, King Saud University, Riyadh

International Committee of TLSBE

K. Ananthanarayanan, Department of Civil Engineering, Indian Institute of Technology Ram

Prakash Bharti, Indian Institute of Technology Roorkee

Henskens, Frans, Faculty of Engineering & Built Environment, University of Newcastle

P K Garg, Indian Institute of Technology

M L Kansal, Department of Water Resources Development & Management & Associate Dean of Students Welfare, Indian Institute of Technology Roorkee

Kaushik Kumar, Birla Institute of Technology Mesra

Dattaram. B, Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Powai

Xiaomei Li, School of Materials Science and Engineering, Southeast University

S.P. Mehrotra, Department of Materials Science and Engineering, Indian Institute of Technology Kanpur

D. P. Mishra, Department of Aerospace Engineering, Indian Institute of Technology

Bhaskarwar A.N., Department of Chemical Engineering, Indian Institute of Technology Delhi

Ojha, C.S.P., Department of Civil Engineering, IIT of Roorkee

Dhaval Patel, Computer Science, National University of Singapore

International Committee of ICAS

Istvan Toth, Australia

Ahmad Zahedi , Australia

Jitender Grover, India

Souvik Pal, India

Adel Hejaaji, UK

Asif Mahmood, Saudi Arabia

Yung-Chih Kuo, Taiwan

Rong-Chi Wang, Taiwan

Wen-Shinn Shyu, Taiwan

Chih-Wei Chiu, Taiwan

Hung-Wei Wu, Taiwan

Jing-Jenn Lin, Taiwan

Albert Yeou-Fong L, Taiwan

Narn-Yih Lee, Taiwan

Santhanee Pincha-Arnon, Thailand

International Committee of ISSSM

Pedro Gardete, School of Business, Stanford University

Pascal Paillé, Department of Management, Université Laval

Deniss Tsi Chung Yeung, Department of Business, Wintec University

Hui Du, School of Economics and Management, Beijing Jiaotong University

Wan Khairuzzaman Wan Ismail, International Business School, Universiti Teknologi Malaysia

Xiang Yu, School of Management, Huazhong University of Science and Technology

Ding Qing, Lee Kong Chian School of Business, Singapore University of Management

Yuntao Chen, School of Economics and Management, Beijing Jiaotong University

David Ding, School of Economics and Finance, Massey University

Lee Kong Chian, School of Business, Singapore University of Management

Jianwen Zhang, Director of CFD Center, Beijing University of Chemical Technology

Sanjay K. Jain, Department of Commerce, University of Delhi

Sanhong Deng, School of Information Management, Nanjing University

Gengmiao Zhang, School of Management, Xi`an Jiaotong University

International Committee of ICEEPS

Abbas Gholtash, Islamic Azad University
Adrian North, Curtin University
Armin Mahmoudi, Academic Member University
Asrul Akmal Shafie, University of Malaya
Awam Amkpa, New York University
Bishnu Mohan Dash, University of Delhi
Cai Su, Beijing Normal University
Channaveer Rachayya Mathapati, Department of Social Work
Debkumar Chakrabarti, Indian Institute of Technology Guwahati
Geoffrey I.Nwaka, Abia State University
I Wayan Suyadnya, Brawijaya University
Laura B.Liu, Beijing Normal University's Center for Teacher Education Development
Leela Pradhan, Tribhuvan University Kathmandu
Lee Byung Hyuk, University of Seoul
Li-Ling Yang, Roger Williams University
Lee Yang, Gyeongsang National University
Haskins Laboratories, Yale University
Mahabbat Pernebaevna Ospanbaeba, Taraz State Pedagogical Institute
Khalachuchi Flores, Southwestern University
Md Abdul Jalil, Shahjalal University of Science & Technology
Hamed Azmi Ahmad Hassali, Universiti Sains Malaysia
Napaporn Srichanyachon, Bangkok University
Ozlem AVCI, Usak University
Rajeswari Nagaral Kenchappanavar, Karnatak Arts College
Reyhan Bilgic, Middle East Technical University
Rizwana Yousaf, University of Gujrat
Robert Evola, Universite de Yaounde
Sakina Riaz, University of Karachi
Subhan El Hafiz, Muhammadiyah University
Tirelo Modie-Moroka, University of Botswana

Special Thanks to Session Chairs

Marina Bluvshstein	<i>Adler Graduate School</i>
Steven A. Taylor	<i>Illinois State University</i>
James A. Rodger	<i>Eberly College of Business & Information Technology</i>
Dong Sung Kim	<i>Pohang University of Science and Technology</i>
Pin-Rui Hwang	<i>National United University</i>
Panu Danwanichakul	<i>Thammasat University</i>
Chi-Tin Shih	<i>Tunghai University</i>
Naohiko Ijiri	<i>Nihon University</i>
Chih-Wen Fan	<i>National Dong Hwa University</i>
Marina Bluvshstein	<i>Adler Graduate School</i>
The-Nan Chang	<i>Tatung University</i>
Hsiang Chen	<i>National Chi Nan University</i>
Manlika Rajchakit	<i>Maejo University</i>
Jeng Liu	<i>Tunghai University</i>
Keith Sakuda	<i>University of Hawaii West Oahu</i>
Harish Chandra Sharma	<i>G.B. Pant University of Agriculture & Technology</i>
Yit-Jin Chen	<i>Chung Yuan Christian University</i>
Takashi Tachino	<i>Shoin University</i>
Kim C. K. Lee	<i>Chaoyang University of Technology</i>
Grienggrai Rajchakit	<i>Maejo University</i>
Mosab Kaseem	<i>Yeungnam University</i>
Sun A, Oh	<i>Gwangju University</i>
Wen-Yau Liang	<i>National Changhua University of Education</i>
Ran-Zan Wang	<i>Yuan Ze University</i>

B.Anjaneya Prasad

Jawaharlal Nehru Technological University

Wei-Cheng J. Mau

Wichita State University

Yi-De Liu

National Taiwan Normal University

G. Krishna Mohana Rao

JNT University Hyderabad

Bao-Shi Shiau

National Taiwan Ocean University

Conference Schedule

Monday, February 1, 2016 Oral Presentation(4th Floor)		
Time	Schedule	Venue
12:30-18:00	Registration	Foyer
13:00-15:00	Education(1)	R401
	Psychology(1)	R402
	Politics & Laws & Society & Communication	R403
	Biological Engineering (1)	R404
15:00-15:15	Tea Break & Networking	Foyer
15:15-16:45	Social Science Keynote Speech (I)	R401
	Management (1)	R402
	Chemistry & Chemical Engineering & Nanotechnology	R403
	Biology & Biological Engineering (2) & Life Sciences	R404
16:45-17:30	Networking	Foyer
17:30-19:00	Opening Ceremony	R409

Tuesday, February 2, 2016
Oral Presentation(4th Floor)

Time	Schedule	Venue
08:30-17:30	Registration	Foyer
09:00-10:30	Natural Science Keynote Speech	R401
	Finance & Economics	R402
	Education (2)	R403
	Psychology (2)	R404
10:30-10:45	Tea Break & Networking	Foyer
10:45-12:15	Social Science Keynote Speech (II)	R401
	Electrical and Electronic Engineering	R402
	Physics & Materials Science and Engineering	R403
	Information Engineering and Technology	R404
12:15-13:30	Lunch Time	R409
13:30-15:00	Education (3)	R401
	Management (2)	R402
	Earth Sciences & Environmental Engineering	R403
	Civil Engineering (1) & Transportation	R404
15:00-15:15	Tea Break & Networking	Foyer
15:15-16:45	Education (4)	R401
	Management (3)	R402
	Mechanical Engineering and Technology (1) & Aeronautics & Aerospace Engineering	R403
	Materials	R404

Tuesday, February 2, 2016
Poster Session(4th Floor, Room 405)

Time	Schedule
09:30-10:30	Poster Session (1)
	Materials / Materials Science and Engineering / Mechanical Engineering and Technology / Computer Engineering and Technology / Computer Technologies / Earth Sciences
11:00-12:00	Poster Session (2)
	Psychology / Education
13:00-14:00	Poster Session (3)
	Biological Engineering / Biology / Biomedical Technologies / Biotechnology
14:30-15:30	Poster Session (4)
	Economics / Finance / Society / Management / Culture / Communication / Life Sciences
16:00-17:00	Poster Session (5)
	Electrical and Electronic Engineering / Power & Energy Engineering / Physics / Engineering Technologies / Environmental Engineering / Chemical Engineering / Chemistry / Civil Engineering

Wednesday, February 3, 2016
Oral Presentation(4th Floor)

Time	Schedule	Venue
08:30-12:00	Registration	Foyer
	Education (5)	R401
	Management (4)	R402
09:00-10:30	Computer Technologies & Computer Engineering and Technology	R403
	Mechanical Engineering and Technology (2)	R404
10:30-10:45	Tea Break & Networking	Foyer
	Education (6)	R401
10:45-12:15	Culture	R402
	Industrial and Manufacturing Technologies	R403
	Civil Engineering (2)	R404

Certificate of Presentation and Certificate of Attendance

A certificate of attendance includes participant's name and affiliation, certifying the participation in the conference. A certificate of presentation indicates a presenter's name, affiliation and the paper title that is presented in the scheduled session.

Certificate Distribution

Oral presenters will receive a certificate of presentation from the session chair after their presentations or at the end of the session. Poster presenters will receive a certificate of presentation from the conference staff at the end of their poster session.

The certificate of presentation will not be issued, either at or after the conference, to authors whose papers are registered but not presented. Instead, the certificate of attendance will be provided after the conference.

Natural Sciences Keynote Speech

R401

2016/02/02 Tuesday 09:00-10:30

Topic: *3D Image Registration for Simulation on Surgery*

Hyoungseop Kim
Kyushu Institute of Technology,
Japan



Abstract:

Image registration is an important and a fundamental task in computer vision and image processing field. For example, to make a surgical plan for head operation, the surgeons should gain more detailed information from CT angiography (CTA) and MR angiography (MRA) images. And the abnormalities can be easily detected from the fusion image which is obtained from two different modalities. One of the multiple modal image registration methods is matching the CTA and MRA, by which the image of head vascular could be enhanced. In general, the procedure for fusion is completed manually. It is time-consuming and subjective. Particularly the anatomical knowledge is required as well. Therefore, the development of automatic registration methods is expected in medical fields. We propose a new automatic image registration technique for image fusion of head CT (Computed Tomography) and MR (Magnetic resonance) images. In experiments, we performed our proposed method for registration on five sets of CTA and MRA images and a better result from our previous method is obtained.

Introduction of Hyoungseop Kim

Hyoungseop Kim received his B.A. degree in electrical engineering from Kyushu Institute of Technology in 1994, the Masters and Ph.D. degree from Kyushu Institute of Technology in 1996 and 2001, respectively. He is a professor in the department of control engineering at Kyushu Institute of Technology. His research interests are focused on medical application of image analysis. He is currently working on automatic segmentation of multi-organ CT image, and temporal subtraction of thoracic MDCT image sets.

Social Sciences Keynote Speech (I)

R401

2016/02/01 Monday 15:15-16:45

Topic: *Critical Analysis of Enhancing Education with ICT: Trends, Characteristics and Challenges*

Hiroshi Hasegawa
Curtin University
Australia



Abstract:

Information and Communication Technology (ICT) plays a pivotal role to the implementation of flexible teaching approaches in various academic courses. Legislation is in place to facilitate online courses and instruction by many institutions of higher education, however, an appraisal of the beneficial and detrimental impacts of online learning could help to create more effective learner-centred, rather than teacher-centred, online programmes. It is still debatable as to whether or not ICT automatically fulfils the requirements of a learner-centred paradigm (created solely by ICT enhancements). It is important to acknowledge the fact that students as well as academic and administration staff remain cautious about the implementation of ICT, especially where educational environments are transformed simply for the sake of incorporating ICT. If a fast-study approach is to be implemented, it must be done so carefully to avoid metamorphose the learning environment back into a teaching-centred environment (under the pretence of a learning-centred paradigm). This presentation explores empirical and practical challenges in the practice of ICT oriented tertiary education in Australia, reflecting the voices of those involved in these areas. This analysis focuses on the teaching, learning and administrative management aspects of ICT-oriented learning. Firstly, it delves into the little-known teaching-related drawbacks of ICT engagement, with reference to specific academic fields and their respective aims. Secondly, it highlights the core dilemmas that derive from the behavioural patterns of contemporary students and their interaction with ICT. Thirdly, it focuses on the challenges that academic staff are confronted with concerning ethics and academic integrity when working in an ICT-oriented teaching environment. Finally, this presentation suggests strategic methods for improving the integration of modern ICT use in education, thus maximising its benefit.

Introduce of Hiroshi Hasegawa

Graduate Diploma in Education (Language Teaching), Master of Education Studies (LOTE), Master of Education (TESOL), PhD in Education

Dr Hiroshi Hasegawa is a Senior Lecturer in the School of Education at Curtin University in Western Australia. He coordinates and teaches undergraduate units pertaining to Japanese (as a second language) and culture, and supervises postgraduate students and students completing their teaching practicum. He has extensive teaching experience from the primary to tertiary level.

Dr Hasegawa has contributed as a member of various panels and committees, including the tertiary entrance examination of Japanese as a second language in Western Australia, the school language advisory committee of Western Australian Catholic schools, and editorial panel of international academic journals. His research interests include second/foreign language education, ethics in education, and enhancement of education through ICT-led educational reform.

Social Sciences Keynote Speech (II)

R401

2016/02/02 Tuesday 10:45-12:15

Topic: *Recent Productivity Growth across the World*

Sangho Kim

Ritusumeikan Asia Pacific University

Japan



Abstract:

We apply a stochastic frontier production model to data from 53 countries during 1991-2003 to estimate total factor productivity growth, and decompose it into technical efficiency change and technical progress. Our empirical results indicate that world productivity growth was led by fast-growing newly emerging economies, whereas most developed countries experienced a decrease in productivity growth. Our results also show that technical efficiency change significantly contributed to economic growth for many fast-growing countries, even though emerging economies still lag far behind developed countries in terms of technical efficiency.

Oral Sessions

Education (1)

Monday, February 1, 2016 **13:00-15:00** **Room 401**

Session Chair: *Prof. Marina Bluvshstein*

ICEEPS-2033

The Design in ESL/EFL Digital Teaching Materials for Vocational College Students in Taiwan

Chia-Ching Lin | *Yu Da University of Science and Technology*

Chiu-kuei Cheng | *Yu Da University of Science and Technology*

ICEEPS-2099

Educational Hypermedia and Usability Testing: Towards User-Centered Design

Andrew Prosser | *Hankuk University of Foreign Studies*

ICEEPS-2108

Let's Examine You and Me: Socratic Questioning in Creating Polysynchronous Learning Environment

Marina Bluvshstein | *Adler Graduate School*

Jill Sisk | *Adler Graduate School*

ICEEPS-2095

Applying the Soft Computing Method to Evaluate the CDIO Innovative Education

Bor-Tyng Wang | *Feng-Chia University*

Chun-Wen Teng | *Feng-Chia University*

Ching-Yi Lee | *Feng-Chia University*

ISSSM-1683

On Embedded Polar Answers

Jiyeoun Lee | *Pusan National University*

ICEEPS-2092

Students' Learning Strategies in the University Level

Chun-Yen Andy Chu | *Ming Chuan University*

Ji-Gang Justin Wang | *Ming Chuan University*

ISSSM-1721

A Narrative Story of an Immigrant Mother's Life-Experience with Her Taiwanese Mother-in-Law ~~the Marital Adjustment Processes for Cross-Cultural Immigrants

Chia-Yu Liu | *National Yunlin University of Science and Technology*

Ching-Shin Twu | *National Yunlin University of Science and Technology*

ISSSM-1624

A Study on the Internal Structure of Psychological Contracts

Mingchang Wu | *National Yunlin University of Science and Technology*

Marsono | *National Yunlin University of Science and Technology*

Psychology (1)

Monday, February 1, 2016

13:00-15:00

Room 402

Session Chair: *Prof. Steven A. Taylor*

ICEEPS-2171

Parenting Behaviors which Enhanced Emotional Skills of Children at the Childhood Development Center, Ban Auem Sub-District Administrative Organization (SDAO), Muang District, Lampang Province, Thailand

Jirapan Khruesarn | *Lampang Rajabhat University*

Anongrat Rinsangpin | *Lampang Rajabhat University*

Wimwipa Boonklin | *Lampang Rajabhat University*

Charanluk Punyamoonwongsa | *Lampang Rajabhat University*

ISSSM-1427

Attitude and Gender as Predictors of Insurance Loyalty

Steven A. Taylor | *Illinois State University*

ISSSM-1522

Applying Kinect Device and Laban Movement Analysis Theory to Digital Analysis of the Relationship between Movements and Emotions

Wen-Chun Hsu | *National University of Tainan*

Ju-Ling Shih | *National University of Tainan*

ISSSM-1405

Psycho-Emotional Needs and Support for Slums in International Healthcare: Women Living with HIV/AIDS in Kenya

Jeong Ryu | *Yonsei University*

Youngran Kim | *Seoul Institute for Narrative Studies*

Youngsook Kim | *Seoul Institute for Narrative Studies*

Heesang Yun | *Seoul College of Nursing*

Namhee Choi | *Seoul Institute for Narrative Studies*

Dongil Han | *Seoul Institute for Narrative Studies*

ISSSM-1433

Depression as Indicator of Emotional Regulation: Overgeneral Autobiographical Memory

Hwiyeol Jo | *Seoul National University*

Jeong Ryu | *Yonsei University*

Yohan Moon | *Sungkyunkwan University*

Jong In Kim | *Seoul National University*

ISSSM-1694

On Detecting a Minimal Important Difference among Standardized Means

Gwowen Shieh | *National Chiao Tung University*

Show-Li Jan | *Chung Yuan Christian University*

ICEEPS-2282

The Development and Effect of Adversity Quotient Developing Program for Upper Secondary Students in Bangkok

Soraya Payakrita | *Satit Bilingual School, Rangsit University*

Theeraphab Phetmalaikul | *Srinakharinwirot University*

Politics & Laws & Society & Communication

Monday, February 1, 2016

13:00-15:00

Room 403

Session Chair: *Prof. James A. Rodger*

ISSSM-1532

Shut down System and the Government Trust in Korea

Seongrak Choi | *Dongyang Mirae University*

ISSSM-1460

Transforming the World to Sustainable Living through Business Process Redesign and Sustainable Economics: America's Path for Regeneration

James A. Rodger | *Eberly College of Business & Information Technology*

James A. George | *Examiner.Com*

ICEEPS-2193

English Loanword Influences on Japanese Identity

Martin Mielick | *Kanda University of International Studies*

ICEEPS-2077

Towards a Genuine Case Management in Social Work Practice for People with Intellectual Disability in Hong Kong

Kangwei Xun | *The University of Hong Kong*

ISSSM-1570

Language Use in New Media and KKU Students' Self-Identity Construction: A Case Study on the Use of Language in Facebook and e-Mail

Walee Preechapanyakul | *Khon Kaen University*

Biological Engineering (1)

Monday, February 1, 2016

13:00-15:00

Room 404

Session Chair: *Prof. Dong Sung Kim*

TLSBE-719

Development of Limbal Epithelial Cell Carrier via Integration of Heterogeneous Collagen Matrices

Hyeonjun Hong | *Pohang University of Science and Technology*

Hong-kyun Kim | *Kyungpook National University School of Medicine*

Andrew Choi | *Pohang University of Science and Technology*

Man-Il Huh | *Kyungpook National University School of Medicine*

Dong Sung Kim | *Pohang University of Science and Technology*

Seonga An | *Pohang University of Science and Technology*

TLSBE-723

A Microfluidic Device Integrated with a Spatially Controlled, Free-standing Nanofiber Membrane via Electrolyte-assisted Electrospinning for the Development of Blood Vessel Model

Sang Min Park | *Pohang University of Science and Technology*

Ji-ho Lee | *Semyeng Christianity Hospital*

Seongsu Eom | *Pohang University of Science and Technology*

Seon Jin Han | *Pohang University of Science and Technology*

Dongwhi Choi | *Pohang University of Science and Technology*

Ryeo Won Park | *Pohang University of Science and Technology*

Dong Sung Kim | *Pohang University of Science and Technology*

TLSBE-726

The Effect of FGF-2 and RA on the Proliferation and Differentiation of Human BMSCs

Jiwon Lim | *Pohang University of Science and Technology*

Dong Sung Kim | *Pohang University of Science and Technology*

Eui Kyun Park | *Kyungpook National University*

TLSBE-727

A Hierarchical Micro/Mesoscale Grooved Surface Reflecting Skeletal Muscle Fibers and Fascicles for Alignment and Myogenic Differentiation of Myoblasts

Sung Jea Park | *Pohang University of Science and Technology*

Jeong Su Lee | *Pohang University of Science and Technology*

Dong Sung Kim | *Pohang University of Science and Technology*

TLSBE-730

Measuring Cell Adhesion Strength by Applying Shear Stress Gradient through the Microfluidic Device Having Equilateral Triangle Channel

Jiwon Lim | *Pohang University of Science and Technology*

Dong Sung Kim | *Pohang University of Science and Technology*

Hyung Woo Kim | *Pohang University of Science and Technology*

Seonjin Han | *Pohang University of Science and Technology*

Wonkyoung Kim | *Pohang University of Science and Technology*

TLSBE-731

Simple Biodegradable Polymer Microneedle Array Fabrication for Transdermal Drug Delivery with Various Aspect Ratio and Arrangement

Taewan Kim | *Pohang University of Science and Technology*

Kyoung Je Cha | *Korea Institute of Industrial Technology*

Kyoung Duck Seo | *Pohang University of Science and Technology*

Donghyeon Yoo | *Pohang University of Science and Technology*

Dong Sung Kim | *Pohang University of Science and Technology*

Management (1)

Monday, February 1, 2016

15:15-16:45

Room 402

Session Chair: *Prof. Pin-Rui Hwang*

ISSSM-1564

Tentative Research on High Reliability Organization: Through a Case of an Airport Management

Tsutomu Kobashi | *Aichi Institute of Technology*

Natsuko Fujikawa | *Kobe University*

Natalie Konomi | *Kitami Institute of Technology*

ISSSM-1598

Exploring the Cascade-Driven Service Model: Case Study on Taiwan's Marathon Activities

Pin-Rui Hwang | *National United University*

ISSSM-1498

Intervention Strategy for Adolescents with Internet Addiction Behavior: An Adventure Education Programming

Chung-Chi Wu | *National Pingtung University of Science and Technology*

ISSSM-1693

A Study on the Risk Management and Crisis Handling of Military Disciplinary Incidents

Tain-Fung Wu | *Asia University*

Cheng-Chi Huang | *Asia University*

Ji-Shiun Luo | *National Defense University*

ISSSM-1523

Skill and Ability Based Human Resource Selection and Placement Process: A Case of Turkish Maritime Industry

Alper Ertürk | *Düzce University*

ISSSM-1452

A Factor-Cluster Analysis on Thailand's Destination Attractions

Aswin Sangpikul | *Dhurakij Pundit University*

Natthakrit Eakwanna | *Dhurakij Pundit University*

Adarsh Batra | *Assumption University*

ISSSM-1716

Organizational Factors of Employee Engagement and Intentions to Stay

Pachsiry Chompukum | *Chulalongkorn University*

Chemistry & Chemical Engineering & Nanotechnology

Monday, February 1, 2016

15:15-16:45

Room 403

Session Chair: *Prof. Panu Danwanichakul*

ACENS-6481

Effect of Ammonia in Synthesis of Silver Nanoparticles in Skim Natural Rubber Latex at Room Temperature

Thanawat Suwatthanarak | *Thammasat University*

Panu Danwanichakul | *Thammasat University*

ACENS-6482

Effect of Protein and Rubber Texture on Drug Release from Natural Rubber Patches

Bhumin Than-Ardna | *Thammasat University*

Panu Danwanichakul | *Thammasat University*

ACENS-6406

Effect of Void Volume Fraction on Diesel Absorption Ability of Waste Tire Granules in a Packed Column

Pongrapee Kaeomani | *Thammasat University*

Duangkamol Danwanichakul | *Thammasat University*

Panu Danwanichakul | *Thammasat University*

ACENS-6524

Synthesis of Nano Iron Copper Core Shell by Using K-M Reactor

Mohamed Ahmed AbdelKawy | *CMRDI –Egypt-Japan University of Science and Technology*

Ahmed.H.El-Shazly | *Egypt-Japan University of Science and Technology*

ACENS-9050

Engineered Bacterial Cellulose Scaffolds for in Vitro Tissue Regeneration Applications

Shaukat Khan | *Kyungpook National University*

Mazhar Ul-Islam | *Dhofar University*

Muhammad Wajid Ullah | *Kyungpook National University*

Yeji Kim | *Kyungpook National University*

Jae Hyun Jang | *Kyungpook National University*

Tae Yong Roh | *Kyungpook National University*

Joong Kon Park | *Kyungpook National University*

ICAS-10

Photocatalytic Degradation of Methomyl over Bismuth Vanadate Nanopowder

Pusit Pookmanee | *Maejo University*

Pimchanok Longchin | *Maejo University*

Wiyong Kangwansupamongkon | *National Science and Technology Development Agency*

Sukon Phanichphant | *Chiang Mai University*

Biology & Biological Engineering (2) & Life Sciences

Monday, February 1, 2016

15:15-16:45

Room 404

Session Chair: *Prof. Chi-Tin Shih*

ACENS-6510

Semi-3D Flow Analysis on Plane Aiming at Assimilation of Measured Velocity Data

Misako Shibamoto | *Tokyo City University*

Kenjiro Shimano | *Tokyo City University*

ACENS-6456

Water Quality Characterization of Bandung City Rivers, Indonesia

Yonik Meilawati Yustiani | *Pasundan University*

ACENS-6236

Profiling Metal Tolerance and Biosorption of Zn by *Trichoderma Asperellum*

Adeline Su Yien Ting | *Monash University Malaysia*

Carrie Siew Fang Sim | *Monash University Malaysia*

Si Hui Chen | *Monash University Malaysia*

ACENS-8905

NeuroRetriever: Automatic Single-Neuron Reconstruction from Fluorescent Images

Chi-Tin Shih | *Tunghai University*

TLSBE-702

Composition of Skeletal Muscle Myosin Heavy Chains of Some Deep-Sea Fish Species

Karaulova P. Ekaterina | *Pacific Scientific Research Fisheries Centre (TINRO-Centre)*

TLSBE-757

The Relative Response of Different Genotypes of Soybean to Various Mutagens

Dr. Geeta Pravin Patil | *Arts, Commence and Science College, Bodwad. Dist. Jalgaon. Maharashtra, India.*

TLSBE-777

**Biology of the Small Tent Caterpillar(STC),*Trabala Pallida* (Walker)
(Lepidoptera:Lasiocampidae)**

Najwa Sangtongaram | *King Mongkut's Institute of Technology Ladkrabang*

Suvarin Bumroongsook | *King Mongkut's Institute of Technology Ladkrabang*

Saen Tigvattananont | *King Mongkut's Institute of Technology Ladkrabang*

Finance & Economics

Tuesday, February 2, 2016

9:00-10:30

Room 402

Session Chair: *Prof. Naohiko Ijiri*

ISSSM-1475

Service Quality of Distribution Systems in Commercial Insurance – Evidence from Top 1,000 Manufacturing Firms in Taiwan

Jui-Yun Wu | *Feng Chia University*

Chun-Ting Liu | *National Taichung University of Science and Technology*

Woody C. F. Chiang | *Feng Chia University*

ISSSM-1436

How Information Disclosure about Share Buyback Program Announced by Firms Affects Completion Rates

Su-Yin Cheng | *Kainan University*

Han Hou | *Lunghwa University of Science and Technology*

ISSSM-1630

Technical Efficiency and Furniture Industry in China: Do Foreign Presence and Firm Size Matter?

Vincent Mok | *Hong Kong Polytechnic University*

Zongzhang Li | *South China Agricultural University*

Godfrey Yeung | *National University of Singapore*

Mike Fung | *Hong Kong Polytechnic University*

Zhaozhou Han | *Jinan University*

ISSSM-1617

Regime-Switching Effect of Tourism Specialization on Economic Growth in Asia Pacific Countries

Wei-Ying Sung | *National Sun Yat-sen University*

Geng-Nan Chiang | *Feng Chia University*

Wen-Guu Lei | *Da-Yen University*

ISSSM-1610

Why Did Mainland China Take “One Belt and One Road (OBOR) ” Strategy and Initiate the “Asian Infrastructure Investment Bank (AIIB)”?

Michael Chueng-Sheng Kon | *Aletheia University*

Long-sheng Kung | *National Taiwan University*

ISSSM-1686

Non-Harmonised Mandatory Standards as Non-Tariff Barriers: Experience from Japanese Imports

Naohiko Ijiri | *Nihon University*

Education (2)

Tuesday, February 2, 2016

9:00-10:30

Room 403

Session Chair: *Prof. Chih-Wen Fan*

ISSSM-1502

Cumulative Inequality: Early Adversity, Human Agency and Educational Attainment of Poor Youth in Taiwan

Chih-Lung Hsieh | *National Taitung University*

ISSSM-1362

An Analysis of Beliefs, Roles, and Responsibilities of School Principals' Accountability Leadership

Chih-Wen Fan | *National Dong Hwa University*

Wen-Cheng Chang | *National Dong Hwa University*

ISSSM-1558

Perceptions of Taiwanese Preservice Teachers' Current and Desired Teaching Competencies in Early Childhood Education

Hui-Hua Chen | *National Dong Hwa University*

ISSSM-1588

The Learning Differences of Early Education Experience among Different Race -The Extention of Educational Strafication

Cheng-You Hsieh | *National Dong Hwa University*

Chuan-Cheng Kao | *National Dong Hwa University*

Chunn-Ying Lin | *National Dong Hwa University*

ISSSM-1550

The Influential Mechanism of Taiwanese High School Students' Gender on Self-Esteem and Depressed Mood

Ya-Heng Hsieh | *Jen-Teh Junior College of Medicine, Nursing and Management*

Chunn-Ying Lin | *National Dong Hwa University*

ISSSM-1695

Flipping EFL Classrooms: What Works and What Does Not

Yu-Jung Chen | *Cheng Shiu University*

Ming-Lung Yang | *Southern Taiwan University of Science and Technology*

Psychology (2)

Tuesday, February 2, 2016

9:00-10:30

Room 404

Session Chair: *Prof. Marina Bluvshstein*

ICEEPS-2100

Sleep Quality and Mindfulness as Predictors of Depression, Anxiety and Stress

Alexis Postans | *Bond University*

Aileen Pidgeon | *Bond University*

ICEEPS-2073

Examining the Role of Psychosocial and Academic Factors in Predicting University Students' Depression and Anxiety Symptoms

Natalie J. Eckberg | *Bond University*

Heidi B. Magyar | *University of Florida*

Aileen M. Pidgeon | *Bond University*

ICEEPS-2086

Social Interest an Antidote to Suicide: An Adlerian Solution

Marina Bluvshstein | *Adler Graduate School*

Makoto Kajino | *Adler Graduate School*

ICEEPS-2185

Factor Structure of the University of California, Los Angeles (UCLA) Loneliness Scale: Gender, Age, and Marital Status Differences

Hamzeh Dodeen | *United Arab Emirates University (UAEU)*

ISSSM-1705

Self Morality Cultivation (SMC) through Hydrotherapy with Thaharah Meditation for Rehabilitate Adolescent Drug Addicts

Regina Zahara | *UIIN Sunan Ampel Surabaya/Indonesia*

ISSSM-1487

Exploring Gender Differences in Mental Representing Visual Mapping vs. Narrative Mapping

Yohan Moon | *Sungkyunkwan University*

Hwiyeol Jo | *Seoul University*

Jongin Kim | *Seoul University*

Jeong Ryu | *Yonsei University*

Electrical and Electronic Engineering

Tuesday, February 2, 2016

10:45-12:15

Room 402

Session Chair: *Prof. The-Nan Chang*

ACENS-6415

Adjustment of the Threshold Voltage with Gas Plasma Treatment for a Zinc Oxide Thin Film Field Effect Transistor

Hsin-Chiang You | *National Chin-Yi University of Technology*

Yong-Jhen Wu | *National Chin-Yi University of Technology*

Gong-Kai Lin | *National Chin-Yi University of Technology*

Yu-Chih Wang | *National Chin-Yi University of Technology*

Yu-Hsien Lin | *National United University*

ACENS-6485

Design and Implementation of DC Voltage Measuring Device for Rail Potential Monitoring

Tawat Chuchit | *Suranaree University of Technology*

Thanatchai Kulworawanichpong | *Suranaree University of Technology*

ACENS-8921

Fast and Kinematic Constraint-Satisfying Path Planning with Obstacle Avoidance

Yeong-Sang Park | *Inha University*

Young-Sam Lee | *Inha University*

ACENS-6426

Broadband CP Antenna with Two Uniquely-Placed Open Circular Rings

The-Nan Chang | *Tatung University*

ACENS-9022

Wireless Video Avoidance Self-propelled Car through APP and Wi-Fi Network Using Arduino Technology

Wei Jie Lai | *Ming Chi University of Technology*

Hsi Chao Lin | *Ming Chi University of Technology*

Physics & Materials Science and Engineering

Tuesday, February 2, 2016

10:45-12:15

Room 403

Session Chair: *Prof. Hsiang Chen*

ACENS-6445

ZnO Nanostructures on Metal Substrates by Electrochemical and Hydrothermal Deposition

Hsiang Chen | *National Chi Nan University*

Chian You Chen | *National Chi Nan University*

Shin Jie Tsai | *National Chi Nan University*

Ting Wei Chang | *National Chi Nan University*

Kai Yen Wang | *National Chi Nan University*

Yi Cian Chen | *National Chi Nan University*

ACENS-6453

Polarization Effects in n-Type Organic Field-Effect Transistor Based Memories

Sheng-Kuang Peng | *National Cheng Kung University*

Peng-Han Wang | *National Cheng Kung University*

Yu-Fu Wang | *National Cheng Kung University*

Horng-Long Chen | *National Cheng Kung University*

Wei-Yang Chou | *National Cheng Kung University*

ACENS-8908

Preparation and Characterization of Carbon-Based Nanofluid through a Heating and Cooling Processing Method

Tun-Ping Teng | *National Taiwan Normal University*

Jheng-Yi Li | *National Taiwan Normal University*

Wei-Ping Wang | *National Taiwan Normal University*

ACENS-8972

Effect of Loading Rate on Fracture of Closed-Cell PVC Foam under Mixed-Mode I/II Loading

Piyamon Poapongsakorn | *Suranaree University of Technology*

Chaosuan Kanchanomai | *Thammasat University*

ACENS-8919

Monte Carlo Simulation of Surfactant Dynamics during Evaporation of a Colloidal Drop

Narina Jung | *Ulsan National Institute of Science and Technology*

Haewon Seo | *Ulsan National Institute of Science and Technology*

Pilwon Kim | *Ulsan National Institute of Science and Technology*

Chun Sang Yoo | *Ulsan National Institute of Science and Technology*

ACENS-8910

Hydroxyapatite/Collagen Coating on Titanium Alloy using Electrodeposit Method

Supachai Surapunt | *Thammasat University*

Thanyalak Chumsud | *Thammasat University*

Information Engineering and Technology

Tuesday, February 2, 2016

10:45-12:15

Room 404

Session Chair: *Prof. Manlika Rajchakit*

ACENS-6466

Comparison of Individual and Composite Methods for Monthly Gold Price Estimation

Manlika Rajchakit | *Maejo University*

ACENS-6514

Developing of a Position Estimation System of Unmanned Aerial Vehicles

Jiseong Jeong | *Gwangju Institute of Science and Technology*

Youngjin Jo | *Gwangju Institute of Science and Technology*

Sungui Hwang | *Gwangju Institute of Science and Technology*

Kyihwan Park | *Gwangju Institute of Science and Technology*

ACENS-8930

Peer-to-Peer and Seedboxes: Optimizing BitTorrent Information Transfer Based on Data Deduplication and Hashing Algorithm

Yogi Muliandi | *University of Indonesia*

ACENS-8897

One-Dimensional based Automatic Particle Defect Inspection for Color-Filter

PanelChien-Chih Wang | *Ming Chi University of Technology*

Bernard C Jiang | *National Taiwan University of Science and Technology*

Yu-Chun Chen | *Yuan Ze University*

Education (3)

Tuesday, February 2, 2016

13:30-15:00

Room 401

Session Chair: *Prof. Jeng Liu*

ISSSM-1513

Another Chapter at School Leadership: Teachers as Constructivist Leaders

Hui-Ling Tang | *National Dong Hwa University*

Ying-Chun Chen | *National Dong Hwa University*

Chi-Win Fan | *National Dong Hwa University*

ISSSM-1486

The Research of Using Principal Demonstration Teaching to Improve Elementary School Teachers' Professional Development

Chen-Fu Tseng | *Taipei Municipal Jin-Hua Elementary School*

ISSSM-1552

The Promotion and Implementation of Environmental Education in Taiwan's Senior High Schools

Ying Cherng | *National Dong Hwa University*

ICEEPS-2096

Bringing Regional Characteristics and School Attributes Back in: Revisit Student Achievement and the Related Factors in Taiwan

Jeng Liu | *Tunghai University*

Cheng-Hsiang Yang | *Tunghai University*

ICEEPS-2242

From Policy to Practice Research on the Construction of High School Community in Taiwan

Hui-Chen Chiang | *University of Taipei*

ICEEPS-2090

A Development of Science Laboratories on "The Method of Measuring Dissolved Oxygen (DO) in Water" by Using a Do Test Kits for Teaching

Sanong Thongpan | *Srinakharinwirot University*

Management (2)

Tuesday, February 2, 2016

13:30-15:00

Room 402

Session Chair: *Prof. Keith Sakuda*

ISSSM-1544

Innovation of New Product and Service Development Process Model Harnessing Cultural Heritage

Anawat Tanyavutti | *Chulalongkorn University*

Pongpun Anuntavoranich | *Chulalongkorn University*

Krittinee Nuttavuthisit | *Chulalongkorn University*

ISSSM-1545

A Study of Introducing Service Blue Print into Designing Smart Signs for Ecotourism Experience – A Case Study of Fairy Pitta Tourist Experience in Huben Area

Andrew Ed Kuo | *National Yunlin University of Science and Technology*

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

Yi-Ting Chen | *National Yunlin University of Science and Technology*

ISSSM-1539

Determining Improvement Priority of the Beauty-Care industry Service Quality by Integrating Refined Kano Model and Impact Range-Performance Analysis

Chin-Hui Yang | *Chung Hua University*

Yu-Cheng Lee | *Chung Hua University*

ISSSM-1704

Application and Management of Mechatronics Medical Devices

Hui-Yu Yang | *Chung Hua University*

Li-Hsing Ho | *Chung Hua University*

ISSSM-1702

Exploring Inter-Organizational Altruism in the Japanese Business Environment

Keith Sakuda | *University of Hawaii West Oahu*

ISSSM-1480

**Exploring Attitudes toward Sustainable Tourism from Early-Life Outdoor Experiences:
A Case Study of Residents in Kaohsiung, Taiwan**

Wei-Ching Wang | *I-Shou University*

Earth Sciences & Environmental Engineering

Tuesday, February 2, 2016

13:30-15:00

Room 403

Session Chair: *Prof. Harish Chandra Sharma*

ACENS-6440

Study on Effects of the Cover Layer by Using Coal Ash on Revegetation in Indonesian Open Cut Coal Mine

Shunta Ogata | *Kyushu University*

Akihiro Hamanaka | *Muroran Institute of Technology*

Hideki Shimada | *Kyushu University*

Takashi Sasaoka | *Kyushu University*

Ikuo Miyajima | *Kyushu University*

ACENS-6472

Fundamental Research of Fly Ash and Organic Material Utilization as Dry Cover Layer for Acid Mine Drainage Prevention Method: Column Leaching Study

Sendy Dwiki | *Kyushu University*

Rudy S. Gautama | *Institut Teknologi Bandung*

Hideki Shimada | *Kyushu University*

Takashi Sasaoka | *Kyushu University*

Ginting J. Kusuma | *Institut Teknologi Bandung*

ACENS-6446

Groundwater Vulnerability Assessment in North – West Uttar Pradesh Using Regional Scale Model and G.I.S.

Harish Chandra Sharma | *G.B. Pant University of Agriculture & Technology*

ACENS-9009

Effect of Inhibited Formation during Oil Palm Frond Pulping (OPFP) Microwave Pretreatment for Bioethanol Production by SSF Process

Kiattisak Panpong | *Songkhla Rajabhat University*

Tussanee Srimachai | *Walailak University*

Kamchai Nuithitikul | *Walailak University*

Sompong O-Thong | *Thaksin University*

Prawit Kongjan | *Prince of Songkhla University (PSU)*

Civil Engineering (1) & Transportation

Tuesday, February 2, 2016

13:30-15:00

Room 404

Session Chair: *Prof. Yit-Jin Chen*

ACENS-6518

Comparing Prediction Methods of Ground Vibration Induced by High-Speed Rail

Yit-Jin Chen | *Chung Yuan Christian University*

Chi-Jim Chen | *Institute of Information Science, Academia Sinica*

Chih-Hao Liu | *Chung Yuan Christian University*

Yi-Jiun Shen | *CECI Engineering Consultants, Inc.*

ICAS-11

Manufacturing of Eco-Environmental Bricks Containing Lake Sediment: Hussain Sagar, India

Venkateswara Reddy.V | *Jawaharlal Nehru Technological University*

Yamunarani. M | *Jawaharlal Nehru Technological University*

ICAS-40

An Optimal Scheduling Model for Construction Waste Disposal and Conveyance

Shangyao Yan | *National Central University*

Yi-Chun Chen | *National Central University*

Ching-Fang Chang | *National Central University*

ACENS-8943

Mode Choice Analysis in Suburbs of Kendari City

La Ode Muh. Magribi | *Halu Oleo University*

M.Akbar Kurdin | *Halu Oleo University*

ACENS-8945

Comparison of Development Model on Selection Route Transport Network City Kendari

La Ode Muh. Magribi | *Halu Oleo University*

Rudi Azis | *Lakidende University*

Education (4)

Tuesday, February 2, 2016

15:15-16:45

Room 401

Session Chair: *Prof. Takashi Tachino*

ISSSM-1549

An Analysis of University Students Attitude in Price Game: Comparative Research Focusing on Business Game Performance Levels

Takashi Tachino | *Shoin University*

ISSSM-1517

A Study on Students' Self-Efficacy Developed in the Class of Honda Program

Ibnu Siswanto | *National Yunlin University of Science and Technology*

ICEEPS-2215

Academic Administration and Management to Enhance Learners' Skills and Characteristics in 21st Century

Theeraphab Phetmalaikul | *Srinakharinwirot University*

ISSSM-1512

A Study on Relationship between Stress and Coping Strategies of Junior High School Students in the Physical Education Programs

Li-Hsing Ho | *Chung Hua University*

Yung-Tai Chiang | *Chung Hua University*

Tsai-Hsiang Lin | *Chung Hua University*

ICEEPS-2089

Comparing the Emotional Language of Teachers' Shared Reading of When Sophie Gets Angry-Really, Really Angry

Min-Ju, Tsai | *National University of Tainan*

ICEEPS-2122

Academic Job Attractiveness, Working Time Devotion and Achievements: A Study of Academics in Taiwan's Higher Education

Chi-Yuan Chen | *Chinese Culture University*

Management (3)

Tuesday, February 2, 2016

15:15-16:45

Room 402

Session Chair: *Prof. Kim C. K. Lee*

ISSSM-1730

Innovation Takes Persuasion: The Imperative of Building a Reservoir of Facts

Kim C. K. Lee | *Chaoyang University of Technology*

ISSSM-1584

Friendly Restaurant Service Quality and Service Innovation Research

Yun-Yun Su | *Chung Hua University*

Tung-Liang Chen | *Chung Hua University*

Yu-Hung, Chang | *Chung Hua University*

ISSSM-1589

Integrating Kano's Model and Importance-Performance Analysis to Improve Customer Satisfaction

Yu-Cheng Lee | *Chung Hua University*

Feng-Han Lin | *Chung Hua University*

ISSSM-1518

An Exploration of the Risk Factors of Freeway Traffic Accidents Caused by Large Vehicles in Taiwan

Jau-Ming Su | *Chung Hua University*

Yu-Ming Wang | *Chung Hua University*

ISSSM-1710

An optimization Model for Selecting Branch Location in Food Service Chain

Cheng-Fu Hsiao | *Chung Hua University*

Sheng-Hsun Hsu | *Chung Hua University*

ISSSM-1692

The Impact of Increasing Team Size on Project Productivity

Yueh-Yuan Lai | *Chung Hua University*

Chiu-Chi Wei | *Chung Hua University*

Chiou-Shuei Wei | *Lunghwa University of Science and Technology*

Mechanical Engineering and Technology (1) & Aeronautics &

Aerospace Engineering

Tuesday, February 2, 2016

15:15-16:45

Room 403

Session Chair: *Prof. Grienggrai Rajchakit*

ACENS-6431

Asymptotic Stability of Nonlinear Delay-Difference System with Multiple Delays via Matrix Inequalities

Grienggrai Rajchakit | *Maejo University*

ACENS-6460

The Self-Assemble Configurations of Polymethyl Methacrylate in 1,6-Hexanediol Diacrylate Environment : A Dissipative Particle Dynamics Study

Shin-pon Ju | *National Sun Yat-Sen University*

Ting-Kai Shen | *National Sun Yat-Sen University*

Po-yu Yang | *National Sun Yat-Sen University*

Tien Jung Huang | *Industrial Technology Research Institute*

ACENS-6459

The Configuration, Mechanical Properties and Thermal Stability Predictions of Novel Ultrathin Germanium Nanowires

Shin-Pon Ju | *National Sun Yat-Sen University*

Zhu-Min Lai | *National Sun Yat-Sen University*

ACENS-6429

Vibration Measurement and Analysis of a Bi-Axis Vibration Energy Harvester by Piezoelectric Effect

Chung-De Chen | *Feng Chia University*

Chee-Leong Tan | *Feng Chia University*

ACENS-6511

Experimental Investigation on Evaporation of Hypergolic Propellants:

N,N,N',N'-Tetramethylethylenediamine and 1,2,4-Triazole

Jungmin Yu | *Korea Advanced Institute of Science and Technology*

Seung Wook Baek | *Korea Advanced Institute of Science and Technology*

ACENS-6435

Density-Driven Granular Segregation in a Slurry Rotating Drum

Chun-Chung Liao | *National Kaohsiung University of Applied Sciences*

Hung-Wen Lan | *National Central University*

Shu-San Hsiau | *National Central University*

Materials

Tuesday, February 2, 2016

15:15-16:45

Room 404

Session Chair: *Prof. Mosab Kaseem*

ICAS-91

Compton Profile Study in Titanium (Ti)

Fareed .M. Mohammed | *University of Tikrit*

Najaat . A.Daham | *University of Tikrit*

Abdul Hadi .M. Ghaleb | *University of Kirkuk*

Nawres .Sabhan. Mohammed | *University of Tikrit*

Mohammad .N. Mohammed | *University of Tikrit*

ICAS-112

Improvement of Mechanical Properties and Texture in Al-Mg-Si Alloy Sheets Severely Deformed via Differential Speed Rolling

Hae Woong Yang | *Yeungnam University*

Mosab Kaseem | *Yeungnam University*

I Putu Widiantara | *Yeungnam University*

Young Gun Ko | *Yeungnam University*

ICAS-113

Effect of Zinc Acetate on Corrosion Behavior of 6061 Al Alloy Processed by Plasma Electrolyte Oxidation

Ade Mansyur | *Yeungnam University*

Muhammad Prisla Kamil | *Yeungnam University*

Young Gun Ko | *Yeungnam University*

ICAS-114

Effect of Current Frequency on Corrosion Behavior of MoO₂-Al₂O₃ Ceramic Coatings Fabricated on 6061 Al Alloy by Plasma Electrolytic Oxidation

Mosab Kaseem | *Yeungnam University*

Jeong Hyeon Kwon | *Yeungnam University*

Young Gun Ko | *Yeungnam University*

Education (5)

Wednesday, February 3, 2016 9:00-10:30 Room 401

Session Chair: *Prof. Sun A Oh*

ICEEPS-2079

Perfectionism, Self-Esteem, and Academic Engagement

Takuto Shishido | *Musashino University*

Hiroshi Watanabe | *Musashino University*

Atsushi Tsumita | *Musashino University*

Hidekatsu Hojo | *Musashino University*

ICEEPS-2115

Collaborative Learning in an EFL Classroom- Applying Literature Circles to Develop the Diverse Skills of Academic Writing

Eric Hirata | *Nagoya University of Foreign Studies*

ICEEPS-2117

Students' and Teachers' Perceptions of Teachers' Effectiveness

Virasuda Sribayak | *Thammasat University*

ICEEPS-2118

University English Teachers' Knowledge of and Opinions about Project Work

Kittitouch Soontornwipast | *Thammasat University*

ICEEPS-2126

The Contrasting Evolution of Education in Japan and the Republic of Korea through ICT Policy Implementation

Soonbo Woo | *Waseda University*

ICEEPS-2121

The Scientific Achievement and Cognitive Load on the Types of Concept Map

Sun A Oh | *Gwangju University*

Yeonsoon Kim | *Chunnam Techno University*

Management (4)

Wednesday, February 3, 2016 9:00-10:30 Room 402

Session Chair: *Prof. Wen-Yau Liang*

ISSSM-1466

An Application of Rough Set in Knowledge Recommendation

Wen-Yau Liang | *National Changhua University of Education*

ISSSM-1389

Barriers to Knowledge Transfer at Work from the UAE Generation Y Perspective

Hwee Ling Lim | *The Petroleum Institute*

ISSSM-1483

Understanding Goals in Strategic Decisions in Agriculture

Bhawat Chiamjinnawat | *Massey University*

Elena Garnevskaja | *Massey University*

Panos Fousekis | *Massey University*

ISSSM-1593

Why Fan Page Followers Share and Adopt Information on Social Commerce Platforms?

An Integration of Elaboration Likelihood Model and Information Adoption Model

Hsiu-Chia Ko | *Chaoyang University of Technology*

Computer Technologies & Computer Engineering and Technology

Wednesday, February 3, 2016 9:00-10:30 Room 403

Session Chair: *Prof. Ran-Zan Wang*

ACENS-6449

**Optimal Periodic Scheduling of Imperfect Maintenance Policy with Reliability
Application**

Yen-Luan Chen | *Takming University of Science and Technology*

ACENS-6447

**Age and Random Preventive Replacement Policy with Age-Dependent Imperfect
Maintenance**

Chin-Chih Chang | *Takming University of Science and Technology*

ACENS-6436

Hybrid TDOA/AOA Geolocation Using Optimization Solution

Kyunghyun Lee | *Sungkyunkwan University*

Kwanho You | *Sungkyunkwan University*

ACENS-8932

Incremental Photomosaic

Pei-Ying Lin | *Yuan Ze University*

Shang-Kuan Chen | *Yuanpei University*

Ran-Zan Wang | *Yuan Ze University*

ICAS-51

Secure Data Transmission Scheme for WSNs

Ren Junn Hwang | *TamKang University*

Yan Zhi Huang | *TamKang University*

ICAS-46

The Auto Following Luggage Case with Bluetooth RSSI Evaluation

Kuo-Yi Chen | *National Formosa University*

Fuh-Gwo Chen | *Hung Kuang University*

Yu-Xuan Hwang | *National Formosa University*

Jun-Ting Chen | *National Formosa University*

Wei-Bo Haung | *National Formosa University*

Mechanical Engineering and Technology (2)

Wednesday, February 3, 2016 9:00-10:30 Room 404

Session Chair: *Prof. B. Anjaneya Prasad*

ICAS-92

Conventional and Depth Sensing Indentation Behaviour of Ti-6Al-4V and Haynes 242 Alloys

B. Anjaneya Prasad | *Jawaharlal Nehru Technological University*

B. Sridhar Babu | *CMR Institute of Technology*

A. Kumaraswamy | *Defence Institute of Advanced Technology (DU)*

ICAS-47

Performance Evaluation and Improvement of Solar Cabinet Dryer

Malavath Thavarya.T.Naik | *JNTUH College of Engineering*

Potini Gopi Krishna Babu | *JNTUH College of Engineering*

ACENS-9010

Emissions Characteristics of Hydroxylated Biodiesel Blended with Diethyl Ether in Compression Ignition Engines

Ekarong Sukjit | *Suranaree University of Technology*

Naruda Chimngam | *Suranaree University of Technology*

Wissava Srichainat | *Suranaree University of Technology*

Sasiprapha Klinket | *Suranaree University of Technology*

Korانات Chaolekha | *Suranaree University of Technology*

ACENS-6480

Effect of Electromagnetic Radiation Emitted by Portable Device on the Thermo-Physiological Responses of the Men Work in Sitting Position

Teerapot Wessapan | *Eastern Asia University*

Education (6)

Wednesday, February 3, 2016 10:45-12:15 Room 401

Session Chair: *Prof. Wei-Cheng J. Mau*

ICEEPS-2181

Characteristics of US Students That Pursued a STEM Major and Factors That Predicted Their Persistence in Degree Completion

Wei-Cheng J. Mau | *Wichita State University*

M. E. Yeager | *Wichita State University*

ICEEPS-2212

Integrating Tablets with Instructional Blended Training System

Kanokphon Chantananarungpak | *Srinakharinwirot University*

Culture

Wednesday, February 3, 2016 10:45-12:15 Room 402

Session Chair: *Prof. Yi-De Liu*

ISSSM-1381

Event as Generator of Social Capital: The Case of Liverpool as the 2008 European Capital of Culture

Yi-De Liu | *National Taiwan Normal University*

ISSSM-1491

Geosemiotic Analysis of Campus Linguistic Landscape in China and Japan

Jing-Jing Wang | *Northwest A&F University*

ISSSM-1465

Understanding Verities of Religious Enlightenment to Enhance Socio-Economic Equity

Jingyu Sang | *Wuhan University*

Wimal Hewamanage | *Wuhan University*

ISSSM-1714

Revitalization Ujung Soekasada Park as One of Learning Historical Resources in Indonesia and Landmark Image Amlapura City, Bali

Rizki Kurniati | *Bandung Institute of Technology*

I Gede Wyana Lokantara | *Gadjah Mada University*

Industrial and Manufacturing Technologies

Wednesday, February 3, 2016 10:45-12:15 Room 403

Session Chair: *Prof. G. Krishna Mohana Rao*

ICAS-75

Economic Analysis of the Research and Development Investment Decisions: To Upgrade the Design Capability

Nisakorn Somsuk | *Eastern Asia University*

ICAS-12

Experimental Investigation of Smaw of Stainless Steel 304 and Mild Steel IS2062

G. Krishna Mohana Rao | *Jawaharlal Nehru Technological University Hyderabad*

K. Bhargava Krishna | *Jawaharlal Nehru Technological University Hyderabad*

ICAS-26

Multi-Period Pricing Strategies in Response to Competitor Discount: Strategic Customer Numerical Experiments

Nattana Tangsangob | *Sirindhorn International Institute of Technology, Thammasat University*

Aussadavut Dumrongsiri | *Sirindhorn International Institute of Technology, Thammasat University*

Civil Engineering (2)

Wednesday, February 3, 2016 10:45-12:15 Room 404

Session Chair: *Prof. Bao-Shi Shiau*

ACENS-6355

Applying Thermal Electrical Chips to Smart Building Thermostats in Exterior Walls

Chih-Yuan Chang | *Feng Chia University*

San-Shan Hung | *Feng Chia University*

Yi-Ru Li | *Feng Chia University*

Hsin-Wei Tsai | *Feng Chia University*

ACENS-6441

Long-Term Water Balance in the Mekong Delta

Dan Tran-Thanh | *Nagasaki University*

Susumu Ogawa | *Nagasaki University*

ACENS-8902

Influence of Initial State on Isotropic Undrained Strength Ratio of Reconstituted Clays

Jian Shi | *Southeast University*

Sen Qian | *Southeast University*

Xia Bian | *Hohai University*

ACENS-8928

Measurement on the Flow and Dispersion of Two Side by Side Sources Discharging over Arrays of Cube in a Turbulent Boundary Layer

Bao-Shi Shiau | *National Taiwan Ocean University*

Yen-Shih Tseng | *National Taiwan Ocean University*

Poster Session (1)

Materials/ Materials Science and Engineering/ Mechanical

Engineering and Technology/ Computer Engineering and

Technology/ Computer Technologies/ Earth Sciences

Tuesday, February 2, 2016

09:30-10:30

Room 405

ICAS-43

Effect of Cooling Rate during Preheating on the Mechanical Properties of SP-700 Titanium Alloys

Sheng-Long Lee | *National Central University*

Jo-Kuang Nieh | *National Central University*

ICAS-100

Preparation and Properties of Poly(Lactic Acid) Reinforced with Graphene Nanoparticle

Nutthapong Poompiew | *Chulalongkorn University*

Pranut Potiyaraj | *Chulalongkorn University*

ACENS-6444

Effects of Phase Additions on Three Dimensionally Ordered Macroporous Structure of Sol-Gel Derived SiO₂-CaO-P₂O₅ Bioactive Glasses

Thanida Charoensuk | *Walailak University*

Yaowarat Sirisathitkul | *Walailak University*

Chitnarong Sirisathitkul | *Walailak University*

Upsorn Boonyang | *Walailak University*

ACENS-6506**Memory and Electrical Effects in Organic n-Type Memory Transistors with Discontinuous pn Heterojunctions**

Po-Kang Huang | *National Cheng Kung University*

Peng-Han Wang | *National Cheng Kung University*

Yu-Fu Wang | *National Cheng Kung University*

Horng-Long Chen | *National Cheng Kung University*

Wei-Yang Chou | *National Cheng Kung University*

ACENS-6454**Effects of Texture on Microstructures and Electrical Properties in 92.5% (Bi_{0.5}Na_{0.5})TiO₃ -7.5%BaTiO₃ Ceramics**

Pin-Yi Chen | *Ming Chi University of Technology*

Cheng-Sao Chen | *Hwa-Hsia University of Technology*

Chi-Shun Tu | *Fu Jen Catholic University*

Po-Han Chen | *Ming Chi University of Technology*

ACENS-6475**Structural Characteristics and Electric-Field Induced Large Strain Behavior in Zr-Doped 92.5% (Bi_{0.5}Na_{0.5})TiO₃-7.5%BaTiO₃ Single Crystals**

Cheng-Sao Chen | *Hwa Hsia University of Technology*

Pin-Yi Chen | *Ming Chi University of Technology*

Chi-Shun Tu | *Fu Jen Catholic University*

Ming-Quang Lyu | *Ming Chi University of Technology*

ACENS-6500**Synthesis of Graft Copolymer of Itaconic Acid onto Carboxymethyl Cellulose and Its Use as a Superabsorbent Polymer**

So Yeon Ko | *Soongsil University*

Ryun Seo Park | *Soongsil University*

Young-Je Kwark | *Soongsil University*

ACENS-6413**Studies on Compatibility Improvement of Poly (Lactic Acid)/Poly(3-Hydroxybutyrate)**

Trong-Ming Don | *Tamkang University*

Sun-Mou Lai | *National I-Lan University*

Yi-Hsun Liu | *Tamkang University*

ACENS-8944

Spin Injection and Detection with Perpendicular Ferromagnetic [CoSiB/Pt] Multilayer Electrodes

Hafiz M. W. Khalil | *Sejong University*

Youngkwang Kim | *Sejong University*

Taewan Kim | *Sejong University*

Jonghwa Eom | *Sejong University*

Hwayong Noh | *Sejong University*

ACENS-8929

Properties of Graphene Oxide/Poly (Butylene Adipate-co-Terephthalate) Composites

Supanut Owjinda | *Chulalongkorn University*

Pranut Potiyaraj | *Chulalongkorn University*

ACENS-8934

Preparation and Properties of Poly (Butylene Adipate-Co-Terephthalate Reinforced with Modified Graphene

Teerawat Yenphet | *Chulalongkorn University*

Pranut Potiyaraj | *Chulalongkorn University*

ACENS-8936

Preparation and Properties of Reduced Graphene Oxide/Poly (Butylene Succinate) Nanocomposites for Antistatic Packaging Application

Praewpanit Nuamcharoen | *Chulalongkorn University*

Pranut Potiyaraj | *Chulalongkorn University*

ACENS-6544

Molecular Consideration on the Lyotropic Liquid Crystalline Behavior of Poly (2-Cyano-p-Phenylene Terephthalamide) Solutions in N, N-Dimethyl Acetamide/Lithium Chloride and Sulfuric Acid

Dae Eon Jung | *Hanyang University*

Dong Wook Chae | *Kyungpook National University*

Youngho Eom | *Hanyang University*

Byoung Chul Kim | *Hanyang University*

ACENS-6373

Oscillatory-Type DNA Amplification System with 8051 Based Temperature Controller

Jyh Jian Chen | *National Pingtung University of Science and Technology*

Wei Hua Chen | *National Pingtung University of Science and Technology*

Hsu Jeng Liu | *National Pingtung University of Science and Technology*

ACENS-6473

Spectral Element Vibration Analysis of a Symmetric Composite Plate

Ilwook Park | *Inha University*

Taehyun Kim | *Inha University*

Usik Lee | *Inha University*

ACENS-6498

Intensity-Modulated Fiber Bragg Grating Sensing System for Vibration Monitoring

Chia-Chin Chiang | *National Kaohsiung University of Applied Sciences*

Chao-Wei Wu | *National Kaohsiung University of Applied Sciences*

Yu-Lin Fang | *National Kaohsiung University of Applied Sciences*

ACENS-8981

Finite Element Analysis of a Hinge System in a Heavy Foldable Container

Yong-Shin Lee | *Kookmin University*

Dukyu Lee | *Kookmin University*

Sangheon Yoon | *Kookmin University*

ACENS-8937

Forced Convection Efficacy of Nanofluid Flow in a Tube at Various Operation Temperatures

C. J. Ho | *National Cheng Kung University*

C. Y. Chang | *National Cheng Kung University*

C. Y. Cheng | *National Cheng Kung University*

ACENS-9018

The Application of Man-Made Disorder in Quasi-Periodic Structure to Broaden the Noise Attenuation Band

Chenzhi Cai | *The Hong Kong Polytechnic University*

Cheuk Ming Mak | *The Hong Kong Polytechnic University*

Xu Wang | *Tongji University*

ACENS-6479

A Continuous Quorum-Based Multimedia Power-Saving Protocol in the Asynchronous Ad Hoc Network

Yu-Chen Kuo | *Soochow University*

Xiang-Wei Zhou | *Soochow University*

ACENS-9054

A Hybrid Cascade Neural Network Classifier for Handwritten Character Recognition

Joo-hyung Song | *Inha University*

Seung-bo Park | *Inha University*

Jong-sik Lee | *Inha University*

Chan-hyung Kim | *Inha University*

Sanggil Kang | *Inha University*

ICAS-70

Hierarchical Local Binary Patterns for Images and Its Application on Image Matching

Yao-Hong Tsai | *Hsuan Chuang University*

ACENS-8940

Visualization of Hazy Sky Condition Determined by Satellite Observation in East Asia

Kwonho Lee | *Gangneung-Wonju National University*

ACENS-6505

A Cost-Benefit Analysis of Groundwater Monitoring Network: The Case of Korea

Sun Kim | *Daejeon University*

Psychology/ Education

Tuesday, February 2, 2016

11:00-12:00

Room 405

ISSSM-1505

Self-Perceived Stress on Nurses in Two Taiwan Hospitals

Chao-Hua Chuang | *Chang Jung Christian University*

Hui-I Hsieh | *Cathay General Hospital*

ISSSM-1551

A Psychosocial-Oriented, Multi-Component Activity Program to Improve Quality of Life on Older Adults with Dementiae

Chao-Hua Chuang | *Chang Jung Christian University*

Wen-Chen Ouyang | *Kaohsiung Chung-Ho Memorial Hospital, Kaohsiung Medical University*

Ya-Chuan Hsu | *Chang Jung Christian University*

ICEEPS-2070

The Effect of Prenatal Yoga on Salivary Stress Hormone, Immunoglobulin A and Psychological Distress in Taiwanese Women

Pao-Ju Chen | *Hsin Sheng Junior College of Medical Care and Management*

Chih-Fen Yuan | *Hsin Sheng Junior College of Medical Care and Management*

ICEEPS-2088

The Reliability and Validity Evidence of the Computerized Self-Concept Scale for Taiwanese Younger Children

Mon-Hsin Wang Flahive | *Chinese Culture University*

ISSSM-1516

A Study of the 12-Year Basic Education Policy Implementation in Taiwan

Kuo-Liang Yen | *National Hsinchu University of Education*

ISSSM-1577

The Scale Development of Using Smartphone in High School Students

Ting-Chung Huang | *Ching Kuo Institute of Management and Health*

Fuen-Hsiang Lee | *Ching Kuo Institute of Management and Health*

ISSSM-1587

Teaching Pronunciation with Computer Assisted Pronunciation Instruction in a Technological University

Sze-Chu Liu | *Nan Kai University of Technology*

Po-Yi Hung | *Chaoyang University of Technology*

ISSSM-1574

The Verification of Rearing Effects about Generation Delivery in Taiwan Area

Wan-Chi Hsieh | *National Dong Hwa University*

Chuan-Cheng Kao | *National Dong Hwa University*

Chunn-Ying Lin | *National Dong Hwa University*

Chia-Chun Lu | *National Dong Hwa University*

ISSSM-1575

The Way on New Curriculum Guideline of Preschool : A Study on the Case Writing and Professional Growth of a Preschool Teacher

Chia-Chun Lu | *National Dong Hwa University*

Yu-Chin Hsiao | *National Dong Hwa University*

Chuan-Cheng Kao | *National Dong Hwa University*

Chuan-Cheng Kao | *National Dong Hwa University*

ISSSM-1586

The Effects of Exercise Habits on the Children Physical Fitness Performance

Yung-Hsin Chiang | *National Dong Hwa University*

I-Wei Shang | *National Dong Hwa University*

Chunn-Ying Lin | *National Dong Hwa University*

ISSSM-1563

Implementation of Social Inclusion: Difficulties and Prospects of Special Education Schools Promoting Social Inclusion

Chin-Yi Lai | *National Dong Hwa University*

Kun-Tsan Lin | *National Dong Hwa University*

ISSSM-1553

A Study of Curriculum Guidelines of Senior High School in Taiwan

Cherng Ying | *National Dong Hwa University*

ISSSM-1581

A Study on the Theory and Practice of Teacher as Curriculum Leader in a Truku Communal Preschool in Taiwan

Mei-Chih Hu | *Tzu Chi University*

Yi-Fong Pai | *National Dong Hwa University*

ISSSM-1592

Apply Graphic Images to Help Design Students Visualize Their Concepts

Chien-Cheng Chang | *National United University*

Yu-Hui Kuo | *National United University*

ISSSM-1521

Design and Development of Multicultural Science Materials for Young Children in Taiwan

Pei-Yu Chou | *Mackay Junior College of Medicine, Nursing and Management*

Chia-Chang Hsu | *Hsin Sheng Junior College of Medical Care and Management*

Yu-Chuan Chang | *Chang Gung University of Science and Technology*

ISSSM-1556

Study on the Multicultural Science Education for Primary School Teachers in Taiwan

Pei-Yu Chou | *Mackay Junior College of Medicine, Nursing and Management*

ISSSM-1520

Disease Simulation Experience as a Teaching Strategy in Nursing Students

Chih-Yin Chien | *Mackay Junior College of Medicine, Nursing and Management*

Piao-Yi Chiou | *National Taipei University of Nursing and Health Science*

ISSSM-1599

A Study of Preschool-Teachers' Curriculum Leadership on Thematic Curriculum Practice in Taiwan

Chia-Chang Hsu | *Hsin Sheng Junior College of Medical Care and Management*

ICEEPS-2113

Teaching Chinese Language into the Song: In Case of Songs in Chinese History Dynasties

An-An Wu | *Hsin Sheng Junior College of Medical Care and Management*

ICEEPS-2055**Information Needs of Gynecologic Cancer Patients**

Ling-Yu Hsieh | *Ditmanson Medical Foundation Chia-yi Christian Hospital*

Chiu-Wen Huang | *Ditmanson Medical Foundation Chia-yi Christian Hospital*

ICEEPS-2111**The Research of Higher Order Thinking Ability by Different Teaching Strategy**

Kai-Ping, Wang | *Hsin Sheng Junior College of Medical Care and Management*

ICEEPS-2069**AR (Augmented Reality) Butterfly Embedded into Environmental Science Education**

Wei-Kai Liou | *National Taiwan Normal University*

Chun-Yen Chang | *National Taiwan Normal University*

ICEEPS-2087**Application of Chinese Idioms for Promoting Self-Determination Skills of School-Age Students with Cognitive Disabilities**

Pen-Chiang Chao | *Chung Yuan Christian University*

ICEEPS-2124**The Development of a Critical Thinking and Problem Solving Skill by STEM Activities Learning on General Science 5 Course for Mathayom Suksa III Students (Grade 9 Students) in Yupparaj Wittayalai School, Chiang Mai, Thailand**

Seksan Sansorapisut | *Yupparaj Wittayalai School*

ICEEPS-2114**Read to Learn and Write to Understand: The Effects of Engaging Middle School Students with the Inquiry of Big Questions**

Hung-Yu Lin | *Fo Guang University*

Shu-Hua Tang | *National Taiwan Normal University*

ICEEPS-2076**The Study of Educational Waste Affecting the Quality of Education in Thailand**

Chatupol Yongsorn | *Srinakharinwirot University*

ICEEPS-2203**How Mindfulness Works to Change an Elementary Teacher's Identity**

Feng-Ying Huang | *National Taipei University of Education*

ICEEPS-2202

Effects of Individual and Contextual Variables on Predicting Self-Determination of Junior High School Students with Disabilities: A Preliminary Study from SNELS

Yu-Chi Chou | *Chung Yuan Christian University*

ICEEPS-2211

The Relationship among Science Performance, Science Creativity and Parenting Style in Immigrant and Native 6th Grade Elementary School Students

Po-Sheng Huang | *Hsuan Chuang University*

Li-Ching Hsu | *Hsuan Chuang University*

Su-Ling Peng | *National Cheng Kung University*

ICEEPS-2125

Nursing Students' Preferences on the Features of Mobile Learning Application

Yee Chong Charm | *The Open University of Hong Kong*

Biological Engineering/ Biology/ Biomedical Technologies/

Biotechnology

Tuesday, February 2, 2016

13:00-14:00

Room 405

ACENS-6397

Bioresorbable Emulsion-Based Adjuvant Recruits and Activates Antigen-Presenting Cells and Shifts T Cell Immune Balance toward Th1 and Th17 Polarization

Chung-Hsiung Huang | *National Health Research Institutes*

Chiung-Yi Huang | *National Health Research Institutes*

Ming-Hsi Huang | *National Health Research Institutes*

ACENS-6462

Feature Extraction for the Classical Music of “Kagaya Miyamoto Shiki Music Care”

Tien-Hui Luo | *Mackay Junior College of Medicine, Nursing, and Management*

Chih-Hsu Hsu | *Ching Kuo Institute of Management and Health*

ACENS-6526

Bioconversion of Isobutanol to Isobutylene by Oleate Hydratases

Ah Reum Park | *Korea Institute of Industrial Technology*

In-Geol Choi | *Korea University*

Jeong Jun Yoon | *Korea Institute of Industrial Technology*

ACENS-6501

A Computer-Aided System for Labeling Polyps in ICG Angiogram

Ming-Yu Tsou | *National Chung Cheng University*

Chao-Liang Lu | *National Chung Cheng University*

Wei-Yang Lin | *National Chung Cheng University*

Chia-Ling Tsai | *Iona College*

Shih-Jen Chen | *Taipei Veterans General Hospital*

ACENS-6530

Musical Notes Recognition for Music Therapy

Tien-Hui Luo | *Mackay Junior College of Medicine, Nursing, and Management*

Chih-Hsu Hsu | *Ching Kuo Institute of Management and Health*

ACENS-6448

Conducting Polymer-Based Organic Electrochemical Transistors for Highly Specific Circulating Tumor Cell Isolation and Analysis

Yu-Sheng Hsiao | *Ming Chi University of Technology*

Bo-Cheng Ho | *Ming Chi University of Technology*

Huan-Lin Chen | *Ming Chi University of Technology*

Po-June Chen | *Ming Chi University of Technology*

Peilin Chen | *Research Center for Applied Sciences, Academia Sinica*

ACENS-6424

Development of Antioxidant Biodegradable In Situ Gelling Polymers as Potential Antiglaucoma Drug Delivery Systems

Jui-Yang Lai | *Chang Gung University*

TLSBE-704

Kojic Acid Production in a Repeated-Batch PCS Biofilm Reactor

Ting-Chu Yu | *National Taiwan University*

Shin-Ping Lin | *National Taiwan University*

Kuan-Chen Cheng | *National Taiwan University*

TLSBE-708

Functional Genomic Correlation among Complex Diseases

Ya-Hsin Tien | *National Central University*

Chueh-Lin Hsu | *National Central University*

Feng-Hsiang Chung | *National Central University*

Hoong-Chien Lee | *National Central University*

TLSBE-738

Sensing of Urinary Progesterone with Molecularly Imprinted Poly (Aniline-co-Metanilic Acid) Films

Chien-Hsin Yang | *National University of Kaohsiung*

TLSBE-746

Mouse Embryo Culture Media Optimization for Microfluidic Applications

Yun Seok Heo | *Keimyung University*

ACENS-6420

Two-Stage Approach to Investigate Association between Hip Fracture and COPD

Hui-Wen Lin | *Soochow University*

Shih-Wei Huang | *Shuang Ho Hospital*

ACENS-6434

Induction of Apoptosis by Evodia Officinalis in Human Cervical Cancer HeLa Cells through Activation of Caspase-3 and AMPK Signaling Pathways

Cheol Park | *Donggeui University*

Seon Young Ji | *Donggeui University*

Jin-Woo Jeong | *Donggeui University*

Su Hyun Hong | *Donggeui University*

Yung Hyun Choi | *Donggeui University*

ACENS-8933

Sodium Palmitate Plus High Glucose Enhanced ICAM-1 Expression in Endothelial Cells

Yuh-Lien Chen | *National Taiwan University*

Zhe-Yu Shi | *National Taiwan University*

ACENS-8939

Effects of Cynanchum Wilfordii on Post-Menopausal Osteoporosis

Mi Hye Kim | *Kyung Hee University*

Haesu Lee | *Kyung Hee University*

Woong Mo Yang | *Kyung Hee University*

Eun-Jung Kim | *Dongguk University*

ACENS-8950

Anti-Inflammatory Effects of Topical Angelica Dahurica Treatment on Ligature-Induced Periodontitis

Hye Ji Lee | *Kyung Hee University*

You Yoen Choi | *Kyung Hee University*

Woong Mo Yang | *Kyung Hee University*

ACENS-8949

Effects of Polygonatum Stenophyllum on Post-Menopausal Obesity in Mice

Ji Eun Lee | *Kyung Hee University*

Mi Hye Kim | *Kyung Hee University*

Woong Mo Yang | *Kyung Hee University*

ACENS-9051

Effect of Lactobacillus Rhamnosus GG Administration on Gut Microbiota Composition and Leptin Resistance in High-Fat Diet-Induced Obese Mice

Je-Ruei Liu | *National Taiwan University*

Yu-Chieh Cheng | *National Taiwan University*

ACENS-9017

External Validation of a Southern Chinese Reference Data Set of Dental Age Assessment for 10 Years Old Children

Hai Ming Wong | *The University of Hong Kong*

ICAS-28

Peptide Inhibitors of MDM2 and MDMX Proteins: A Molecular Simulation Study

Yeng-Tseng Wang | *Kaohsiung Medical University*

ICAS-50

Determination of Hydroxy Acids in Cosmetics by Short-End Injection-Capillary Electrophoresis

Chun-Hsien Chen | *Kaohsiung Medical University*

Yen-Ling Chen | *Kaohsiung Medical University*

ICAS-54

Application of Multivariate Approach for the Analyte Focusing by Micelle Collapse-Micellar Electrokinetic Chromatography for Analysis of Sunscreen Agents in Cosmetics

Wen-Yao Hsiao | *Kaohsiung Medical University*

Yen-Ling Chen | *Kaohsiung Medical University*

ICAS-59

Determination of Nicotine Metabolites in Plasma by Cation Selective Exhaustive Injection-Sweeping-Micellar Electrokinetic Chromatography

Hung-Yu Ko | *Kaohsiung Medical University*

Yen-Ling Chen | *Kaohsiung Medical University*

ICAS-48

Simultaneous Determination of Four Hydrophobic Anti-Aging Ingredients by Liquid Phase Microextraction Combined with Capillary Liquid Chromatography

Chun-Wei Chang | *Kaohsiung Medical University*

Chia-Hsien Feng | *Kaohsiung Medical University*

ICAS-49

Enhancement of the Detection of Phosphoproteins in Biofluids by Liquid Chromatography Coupled with Mass Spectrometry and Chemical Labeling

Rong-Chun Chen | *Kaohsiung Medical University*

Chi-Yu Lu | *Kaohsiung Medical University*

ICAS-65

An Eco-Friendly Microanalysis Method: Determination of Parabens by Environmental Friendly Microextraction Coupled with Capillary Liquid Chromatography-UV Detection

Chen-Wen Chen | *Kaohsiung Medical University*

Ya-Chen Lu | *Kaohsiung Medical University*

Chia-Hsien Feng | *Kaohsiung Medical University*

ICAS-102

Natural Products Were Extracted and Isolated by HPLC from Formosan Zoanthid *Zoanthus* spp.

Shu-Rong Chen | *Kaohsiung Medical University*

Yang-Chang Wu | *China Medical University*

Fang-Rong Chang | *Kaohsiung Medical University*

Yuan-Bin Cheng | *Kaohsiung Medical University*

Poster Session (4)

Economics/ Finance/ Society/ Management/ Culture/

Communication/ Life Sciences

Tuesday, February 2, 2016

14:30-15:30

Room 405

ISSSM-1467

The Connections between Taiwan Stock Market and Gold, Petroleum, USD Index and American Stock Market

Keng-Shen Chen | *Lunghwa University of Science and Technology*

Mei-Yu Hsu | *Chien Hsin University of Science and Technology*

Ming-Kun Lin | *Lunghwa University of Science and Technology*

ISSSM-1674

Investigating the Influence on Taiwanese Industries from Share Collateralization by Directors and Corporate Governance

Su-Lien Lu | *National Pingtung University of Science and Technology*

Kuo-Jung Lee | *National Pingtung University*

Ching-Yi Lin | *National Pingtung University of Science and Technology*

ISSSM-1432

The Impact of CEO Decision Horizon on Corporate Social Responsibility

Chih-Wei Peng | *National Changhua University of Education*

ISSSM-1726

Importance of Networking and Role Models for Women in Science, Technology, Engineering and Math

Mami Mihara | *Tokyo Institute of Technology*

ISSSM-1712

Gauging Public Support for the Paralympics

Koichiro Aoki | *Toyo University*

Chieko Kato | *Toyo University*

Satoshi Yoshinuma | *Toyo University*

Toshihiro Yoshizumi | *Toyo University*

Kensei Tsuchida | *Toyo University*

ISSSM-1605

Practical Competencies Required for Homecare Supervisor

Chiu-Lan Ssu | *Mackay Junior College of Medicine, Nursing, and Management*

Hao-Feng Chang | *Chung-Hua University*

ISSSM-1524

A Sales Forecasting Model by Integrating Clustering Technique and Extreme Learning Machine for Computer Products

Wensheng Dai | *Renmin University of China*

Chi-Jie Lu | *Chien Hsin University of Science and Technology*

ISSSM-1507

Production-Inventory Model with Retail Price-Dependent Demand with Response to the Raw Material Price Increase: A Stackelberg Game Approach

Kuan-Fu Shen | *Chien Hsin University of Science and Technology*

Chung-Yuan Dye | *Shu-Te University*

Chih-Te Yang | *Chien Hsin University of Science and Technology*

ISSSM-1485

How Did Safety Climate Affect the Near-Miss Incident Reporting and Safety Awareness

Wen-Jywan Su | *Far East University*

ISSSM-1691

An Empirical Study on the Mobile Nursing Information System with Post-Acceptance Model of IS Continuance

Ju-Ling Hsiao | *Chia Nan University of Pharmacy & Science*

Hsin-Yi Li | *Institutional Review Board of Changhua Christian Hospital*

ISSSM-1641**The Relationship between Sunk Cost Effects and Cognitive Dissonance**

Kuo Chih Cheng | *National Changhua University of Education*

Hung Chih Tsai | *Kun Shan University*

ISSSM-1690**Developing an Ontology-Based Business Model Innovation Support Platform**

Tsung-Yi Chen | *Nanhua University*

ISSSM-1703**A Preliminary Study on the Design of a Rockers Style Motorbike**

Min-Yang Cheng | *National United University*

Chien-Cheng Chang | *National United University*

ISSSM-1495**The Effect of Local Residents Need and Its' Effect on the Acceptance of Nuclear Power Energy**

Seoyong Kim | *Ajou University*

ISSSM-1708**Synthesis of Lips Animation by Utilizing Characteristic of Japanese Phoneme Context**

Koichiro Aoki | *Toyo University*

Chieko Kato | *Toyo University*

Futoshi Sugimoto | *Toyo University*

TLSBE-688**5-Aminolevulinic Acid Hexyl Ester (H-ALA) Mediated Photodynamic Therapy with LED Actication Induced EBV LMP1 Protein Expression in EBV Positive c666-1 NPC Cells**

Ricky W.K. Wu | *Tung Wah College*

Ellie S.M. Chu | *Tung Wah College*

Christine M.N. Yow | *Hong Kong Polytechnic University*

TLSBE-698**Hexyl-ALA Mediated PDT Modulated MAPK Signal Proteins in Nasopharyngeal Carcinoma Cells**

Ricky W.K. Wu | *Tung Wah College*

Ellie S.M. Chu | *Tung Wah College*

Christine M.N. Yow | *Hong Kong Polytechnic University*

TLSBE-714

Research on the Identification of Black Pepper Processed by Radiation Irradiation Using EPR Method

Chein-Nan Lin | *National Tsing Hua University*

Fang-Yuh Hsu | *National Tsing Hua University*

Ching-Han Hsu | *National Tsing Hua University*

TLSBE-718

Impacts of Estrogen to Inflammation in Ovarian Granulosa Cells

Hsin-Yi Du | *National Yang-Ming University*

Yuh-Lin Wu | *National Yang-Ming University*

David Sun | *Cheng Hsin General Hospital*

TLSBE-732

Identification of Virulence- and Colony Morphology-Related Genes of Burkholderia Pseudomallei by Worms and Slime Molds

Pei-Tan Hsueh | *National Sun Yat-Sen University*

Ya-Lei Chen | *National Kaohsiung Normal University*

TLSBE-735

A Novel Application of a Reactive Oxygen Species Inhibitor Blocks Peripheral Nerve Degeneration after Nerve Injury

Hyun Woo Jo | *Kyung Hee University*

Hyeong Seok Um | *Kyung Hee University*

Junyang Jung | *Kyung Hee University*

Na Young Jeong | *Dong-A University*

TLSBE-752

A Novel Function of Aminoacyl-tRNA Synthetases (AminoRSs) in the Peripheral Nervous System

Hyeong Seok Um | *Kyung Hee University*

Hyun Woo Jo | *Kyung Hee University*

Na Young Jeong | *Dong-A University*

Junyang Jung | *Kyung Hee University*

TLSBE-760

Involvement of HPI Axis in the Anti-Stress Activities of Hydrangeae Dulcis Folium in Zebrafish

Seunghoon Lee | *Jeju National University*

Junyoung Oh | *Jeju National University*

TLSBE-775

The Effect of Color and Height of Pyramid Shaped Traps to Attract Spiders in Asiatic Pennywort Plantation

Siriporn Yuphet | *King Mongkut's Institute of Technology Ladkrabang*

Suvarin Bumroongsook | *King Mongkut's Institute of Technology Ladkrabang*

TLSBE-776

Leafhopper Morphology and Biological Investigation of Balclutha sp. (Hemiptera: Cicadellidae) in Asiatic Pennywort Plantation

Janejira Name | *King Mongkut's Institute of Technology Ladkrabang*

Suvarin Bumroongsook | *King Mongkut's Institute of Technology Ladkrabang*

TLSBE-783

Changes in Ecosystem Service Function Caused by Protected Horticulture Complexes in Korea's Agricultural Landscape

Jinkwan Son | *National Academy of Agricultural Science*

Siyoun Lee | *National Academy of Agricultural Science*

Minjae Kong | *National Academy of Agricultural Science*

Donghyeon Kang | *National Academy of Agricultural Science*

Poster Session (5)

Electrical and Electronic Engineering/ Power & Energy

Engineering/ Physics/ Engineering Technologies/

Environmental Engineering/ Chemical Engineering/

Chemistry/ Civil Engineering

Tuesday, February 2, 2016

16:00-17:00

Room 405

ACENS-6486

Intelligent Mushroom Growing House with Fuzzy Logic Control

Thanakorn Shinsook | *Suranaree University of Technology*

Thanatchai Kulworawanichpong | *Suranaree University of Technology*

ACENS-6503

Study on the Asymptotically Achievable Error Rate Performance of M-Ary Phase Shift

Keying over Rician-Nakagami Fading Channels

Hoojin Lee | *Hansung University*

ACENS-6476

Dimension Effect on Characteristics and Reliability in High Voltage MOSFETs

Jone F. Chen | *National Cheng Kung University*

Yu Ming Liu | *National Cheng Kung University*

ACENS-8901

A Synthesis of Hybrid Structures of β - Ga₂O₃/ GaN Nanowires by Metal Organic Vapor Phase Epitaxy

Seoyoung Lee | *Korea Maritime and Ocean University*

Seunghyun Lee | *Korea Maritime and Ocean University*

Hyungsoo Ahn | *Korea Maritime and Ocean University*

Min Yang | *Korea Maritime and Ocean University*

ACENS-6474

Catalytic Synthesis of β - Ga₂O₃ Nanowires by Metal Organic Vapor Phase Epitaxy

Seunghyun Lee | *Korea Maritime and Ocean University*

Seoyoung Lee | *Korea Maritime and Ocean University*

Hyungsoo Ahn | *Korea Maritime and Ocean University*

Min Yang | *Korea Maritime and Ocean University*

ACENS-8925

A High Resolution FPGA-Based Weighted Delay Line TDC with Nonlinearity Calibration

Yuan-Ho Chen | *Chang Gung University*

ACENS-8917

Detection System for Survivor under the Rubble Based on Electrostatic Induction

Koichi Kurita | *Kinki University*

ACENS-6461

Microwave Annealing for NiSiGe Schottky on SiGe P-Channel Quantum Well Logic Device

Yu-Hsien Lin | *National United University*

Hui Hsuan Li | *National United University*

Yi-He Tsai | *National United University*

Hsin-Chiang You | *National Chin-Yi University of Technology*

ACENS-9079

To Investigate the Effect of Improving the Flexible Transparent Zinc Oxide Transistors Electrically by Increasing the Buffer Layer Process

Hsin-Chiang You | *National Chin-Yi University of Technology*

Yu-Chih Wang | *National Chin-Yi University of Technology*

Yu-Shiun Huang | *National Chin-Yi University of Technology*

Gong-Kai Lin | *National Chin-Yi University of Technology*

ACENS-6507

Text to Speech Synthesis for Hindi Language

Sanjay Mathur | *G B Pant University of Agriculture and Technology*

Shilpi Kannoja | *G B Pant University of Agriculture and Technology*

ACENS-6517

A 2.4 GHz Current Reuse Common-Gate LNA in 0.18- μ m CMOS Technology

Saurabh Pargaien | *G B Pant University of Agriculture and Technology*

Abhishek Tomar | *G B Pant University of Agriculture and Technology*

Paras | *G B Pant University of Agriculture and Technology*

ACENS-6487

Assessment of External Lightning Protection Installation for DC Mass Rapid Transit System

Chetsada Wiangchanthuek | *Suranaree University of Technology*

Thanatchai Kulworawanichpong | *Suranaree University of Technology*

ACENS-6488

A Comparative Study of Speed Control Strategies for a Mass Transit System

Nattapong Mingpruk | *Suranaree University of Technology*

Kritsada Mongkoldee | *Suranaree University of Technology*

Chaiyut Sumpavakup | *Suranaree University of Technology*

Uthen Leeton | *Suranaree University of Technology*

Thanatchai Kulworawanichpong | *Suranaree University of Technology*

ACENS-6489

Single Train Movement Simulation with Rail Potential Consideration

Nattapong Mingpruk | *Suranaree University of Technology*

Kritsada Mongkoldee | *Suranaree University of Technology*

Chaiyut Sumpavakup | *Suranaree University of Technology*

Uthen Leeton | *Suranaree University of Technology*

Thanatchai Kulworawanichpong | *Suranaree University of Technology*

ACENS-6427

Interval Halving Method for Maximum Power Point Tracking Technology in Design of Energy Conversion System

Cheng-I Chen | *National Central University*

Cheng-Yen Liu | *National Central University*

Yeong-Chin Chen | *Asia University*

ACENS-8935

Energy Consumptions and Losses Minimisation for a Round-Trip of a Light Railway Journey by Optimal Design of Stationary Super Capacitors

Tosaphol Ratniyomchai | *Suranaree University of Technology and University of Birmingham*

Stuart Hillmansen | *University of Birmingham*

Pietro Tricoli | *University of Birmingham*

ACENS-6442

Effects of Design Parameters on Magnetic Fields Generated by Synchrotron Undulator

Supagorn Rugmai | *Suranaree University of Technology*

Suthon Srivaro | *Walailak University*

Chitnarong Sirisathitkul | *Walailak University*

ACENS-8922

Investigation of Nano Size Polyaniline Thin Films Prepared by Novel Atmospheric Pressure Plasma Polymerization Technique

Choon-Sang Park | *Kyungpook National University*

Dong Ha Kim | *Kyungpook National University*

Bhum Jae Shin | *Sejong University*

Heung-Sik Tae | *Kyungpook National University*

ICAS-61

Analysis of the Effects of Fuel Mass Fraction on Operation of a SRU Thermal Reactor

Chun-Lang Yeh | *National Formosa University*

ACENS-6411

Nitric Acid Leaching of Indium and Gallium from LED Dust

Ching-Hwa Lee | *Da-Yeh University*

Fan-Yuan Chang | *Da-Yeh University*

Chih-Nan Wu | *Da-Yeh University*

Chang-Mao Lee | *Da-Yeh University*

Elon Ishmael Cadogan | *Da-Yeh University*

Shima L Holder | *Da-Yeh University*

ACENS-6455

Optimal Biodiesel Production from Sewage Sludge by Two-Step Process Comprised of Extraction and Transesterification

Pansuwan Supaporn | *Gangneung-Wonju National University*

Sung Ho Yeom | *Gangneung-Wonju National University*

ACENS-6421

Synthesis and Application of Phytic Acid-Modified Chitosan Gel Beads

Shao-Jung Wu | *Ming Chi University of Technology*

Wen-Yi Chen | *Ming Chi University of Technology*

Zhi-Ying Chen | *Ming Chi University of Technology*

Tsung-Kuan Lin | *Hwa Hsia University of Technology*

Fwu-Long Mi | *Taipei Medical University*

ACENS-6240

A Simple 7-Azaindole-Based Ratiometric Fluorescent Sensor for Detection of Cyanide in Aqueous Media

Kew-Yu Chen | *Feng Chia University*

Wei-Chi Lin | *Feng Chia University*

ACENS-6408

Fabrication of Self-Assembled Monolayer-Based Quartz Crystal Microbalance (QCM) Sensor for Selectively Sensing Metal Ions

Pi-Guey Su | *Chinese Culture University*

Hung-Chiang Shieh | *Chinese Culture University*

Tsao-Yun Chuang | *Chinese Culture University*

ACENS-6416

Development of Oxide-Based Nanostructures for Solar Hydrogen Applications

Yan-Gu Lin | *National Synchrotron Radiation Research Center*

Yu-Hsueh Chang | *National Synchrotron Radiation Research Center*

Hong-Jhe Lin | *National Synchrotron Radiation Research Center*

Yu-Chang Lin | *National Synchrotron Radiation Research Center*

ACENS-6508

Drag Coefficients of Apple Tree through Wind Tunnel Test

Kyung Jae Shin | *Kyungpook National University*

Seoung Hee Kim | *Rural Development Administration*

Hong Jin Kim | *Kyungpook National University*

Thomas Kang | *Seoul National University*

ACENS-6491

Damage Detection of Truss Structure by Indirect Measurement Approach

Hee-Chang Eun | *Kangwon National University*

Dong-Ho Cho | *Kangwon National University*

Young-Ji Choi | *Kangwon National University*

ACENS-8896

Methods for Groundwater Lowering and Construction of Drainage System under Buildings in Ulaanbaatar City

Dalai Dashjamts | *Mongolian University of Science and Technology*

