

Conference Program

March 29-31, 2016

Kyoto, Japan

ACEAIT

Annual Conference on Engineering and Information
Technology

GLSBE

Global Conference on Life Science and Biological
Engineering

ISFAS

International Symposium on Fundamental and
Applied Sciences

ICBASS

International Conference on Business and Social
Sciences

ISEPST

International Symposium on Education, Psychology
and Society

ACEAIT

Annual Conference on Engineering and Information Technology

ISBN 978-986-89298-6-9

GLSBE

Global Conference on Life Science and Biological Engineering

ISBN 978-986-5654-38-2

ISFAS

International Symposium on Fundamental and Applied Sciences

ISBN 978-986-89298-5-2

ICBASS

International Conference on Business and Social Sciences

ISBN 978-986-89298-7-6

ISEPST

International Symposium on Education, Psychology and Society

ISBN 978-986-89298-8-3

Content

General Information for Participants	6
International Committees.....	8
International Committee of ACEAIT	8
International Committee of GLSBE	9
International Committee of ISFAS.....	10
International Committee of ICBASS.....	12
International Committee of ISEPST	14
Special Thanks to Session Chairs.....	16
Conference Venue Information	19
Conference Schedule.....	21
Natural Sciences Keynote Speech(I).....	27
Natural Sciences Keynote Speech(II)	29
Social Sciences Keynote Speech	30
Oral Sessions.....	33
Banking & Finance(1).....	33
Psychology (1).....	34
Biological Engineering (1)	35
Banking & Finance(2).....	36
Communication & Society (1)	38
Electrical Engineering and Technology (1)	40
Biological Engineering (2)	41
Computer Engineering and Technology (1)	42
Environmental Engineering (1) & Green Technology.....	44
Business & Economics (1).....	46
Education (1)	47
Banking & Finance (3).....	49
Communication & Society (2)	50
Psychology (2).....	51
Education (2)	53
Mechanic and Engineering Sciences & Mechanical Engineering and Technology (1)	55
Computer Engineering and Technology (2)	57
Information Engineering and Technology (1)	59
Materials Science and Engineering (1).....	61
Mechanical Engineering and Technology (2).....	62
Computer Engineering and Technology (3)	63

Information Engineering and Technology (2)	65
Business & Economics (2)	67
Education & Culture (1)	68
Mechanical Engineering and Technology (3)	70
Civil Engineering (1)	71
Engineering Sciences	73
Marketing & Management (1)	75
Education & Culture (2)	77
Material Science and Engineering (2)	78
Life Sciences (1)	79
Politics & Law	80
Psychology (3)	81
Education (3)	82
Electrical Engineering and Technology (2)	84
Biomedical Engineering	85
Chemical Engineering	86
Marketing & Management (2)	87
Education & Culture (3)	88
Life Sciences (2)	89
Information Engineering and Technology (3)	90
Chemical Sciences	92
Marketing & Management (3)	94
Geology, Earth and Environmental Sciences (1) & Environmental Engineering (2)	95
Computer Engineering and Technology (4)	97
Food, Agriculture and Veterinary Sciences	99
Marketing & Management (4)	100
Geology, Earth and Environmental Sciences (2)	101
Civil Engineering (2)	102
Nanotechnology& Physics Sciences	104
Marketing & Management (5)	106
Poster Sessions (1)	107
Mechanical Engineering and Technology (1) / Engineering Sciences (1) / Green Technology / Food, Agriculture and Veterinary Sciences / Chemical Sciences (1)	107
Poster Sessions (2)	114
Business & Economics / Education & Culture / Education	114
Poster Sessions (3)	118

Computer Engineering and Technology (1) / Information Engineering and Technology (1)/ Materials Science and Engineering / Biomedical Engineering (1)	118
Poster Sessions (4)	125
Marketing & Management / Communication & Society / Psychology / Society / Politics & Law	125
Poster Sessions (5)	130
Biological Engineering / Life Sciences (1) / Physics Sciences / Chemical Sciences (2) / Chemical Engineering	130
Poster Sessions (6)	137
Life Sciences (2) / Environmental Engineering / Geology, Earth and Environmental Sciences / Engineering Sciences (2) / Biomedical Engineering (2)	137
Poster Sessions (7)	144
Mechanical Engineering and Technology (2) / Mechanic and Engineering Sciences / Nanotechnology / Civil Engineering / Electrical Engineering and Technology / Information Engineering and Technology (2)/ Computer Engineering and Technology (2)	144

General Information for Participants

■ **Registration**

The registration desk will be situated on the **4th Floor** at the **Kyoto Research Park** during the following time:

13:00-17:00 Tuesday, March 29, 2016

08:00-17:30 Wednesday, March 30, 2016

08:30-17:30 Thursday, March 31, 2016

■ **A Polite Request to All Participants**

Participants are requested to arrive in a timely fashion for all addresses. Presenters are reminded that the time slots should be divided fairly and equally by the number of presentations, and that they should not overrun. The session chair is asked to assume this timekeeping role and to summarize key issues in each topic.



Sandals or Slippers



Tank Top



Shorts

■ **Certificate**

Certificate of Presentation or Certificate of Attendance

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

Certificate Distribution

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

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

■ **Preparation for Oral Presentations**

All presentation rooms are equipped with a screen, an LCD projector, and a laptop computer installed with Microsoft PowerPoint. You will be able to insert your USB flash drive into the

computer and double check your file in PowerPoint. We recommend you to bring two copies of the file in case that one fails. You may also connect your own laptop to the provided projector; however please ensure you have the requisite connector.

Preparation for Poster Presentation

Materials Provided by the Conference Organizer:

1. Poster Panel (90cm×173cm)
2. Push pins

Materials Prepared by the Presenters:

1. Home-made poster(s)
2. Material: not limited, can be posted on the poster panel
3. Maximum poster size is A0



(Example)



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Conference Venue Information

Kyoto Research Park

Tel: +81-75-322-7800

Address: 134, Chudoji Minami-machi, Shimogyo-ku, Kyoto 600-8813, Japan

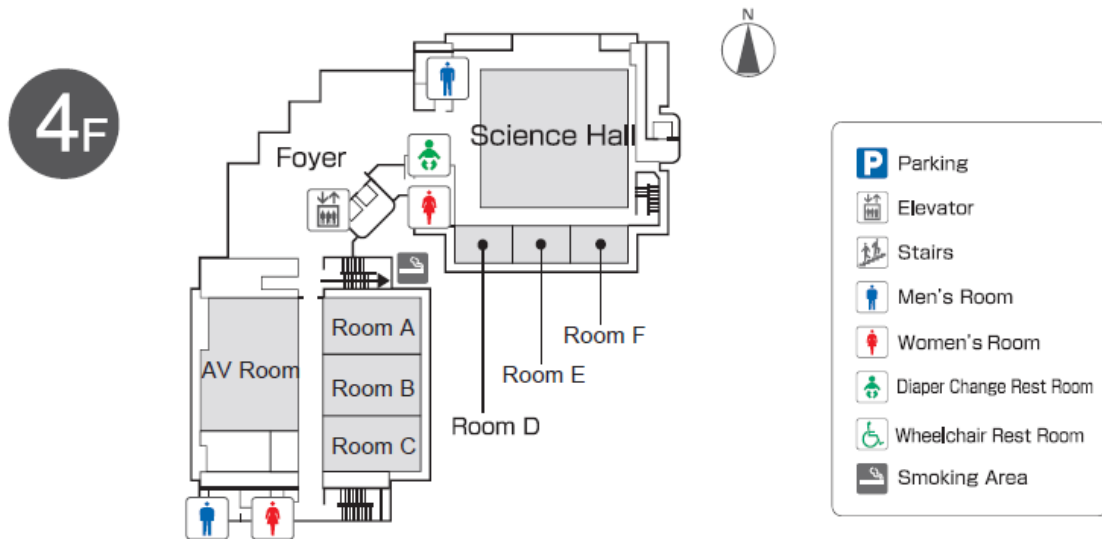
Located at the ancient capital of Japan, Kyoto Research Park (KRP) is set at a convenient spot. KRP has a wide variety of networks involving universities, industries, administrative institutes, public research institutes, and economic bodies. KRP offers various of conference rooms, offices, and labs.

The conference will be held at Hall 1 inside the research park. Hall 1 is near to JR Tanbaguchi-Eki.



Floor Map (4th Floor)

Floor Map of Bldg. #1



Conference Schedule

Tuesday, March 29, 2016		
Oral Session (4th Floor)		
Time	Schedule	Venue
13:00-17:00	Registration	Foyer Area
14:00-15:30	Banking & Finance(1)	Room A
	Psychology(1)	Room B
	Biological Engineering (1)	Room C
15:30-15:45	Tea Break & Networking	Foyer Area
15:45-17:45	Banking & Finance(2)	Room A
	Communication & Society (1)	Room B
	Electrical Engineering and Technology (1)	Room C

Wednesday, March 30, 2016

Oral Session (4th Floor)

Time	Schedule	Venue
08:00-17:30	Registration	Foyer Area
08:30-10:00	Biomedical Engineering (2)	Room A
	Computer Engineering and Technology (1)	Room B
	Environmental Engineering(1) & Green Technology	Room C
	Business & Economics (1)	AV Room
	Education (1)	Science Hall
10:00-10:20	Tea Break & Networking	Foyer Area
10:20-12:00	Banking & Finance (3)	Room A
	Communication & Society (2)	Room B
	Psychology (2)	Room C
	Education (2)	AV Room
	<p>Natural Science Keynote Speech(1): Sergei Gorlatch <i>Topic: Future Distributed Applications Based on Mobile Cloud Computing and Software-Defined Networks</i></p> <p>Natural Science Keynote Speech (2): Kazuaki Maeda <i>Topic: Impressive Slideshow without Presentation Software</i></p>	Science Hall
12:00-13:00	Lunch	Atrium

Wednesday, March 30, 2016

Oral Session (4th Floor)

13:00-14:30	Mechanic and Engineering Sciences & Mechanical Engineering and Technology (1)	Room A
	Computer Engineering and Technology (2)	Room B
	Information Engineering and Technology (1)	Room C
	Materials Science and Engineering (1)	AV Room
	Social Science Keynote Speech Michelle Kawamura <i>Topic: Integrating Intercultural Awareness in Education</i>	Science Hall
14:30-14:50	Tea Break & Networking	Foyer Area
14:50-16:20	Mechanical Engineering and Technology (2)	Room A
	Computer Engineering and Technology (3)	Room B
	Information Engineering and Technology (2)	Room C
	Business & Economics (2)	AV Room
	Education & Culture (1)	Science Hall
16:20-16:30	Tea Break & Networking	Foyer Area
16:30-18:00	Mechanical Engineering and Technology (3)	Room A
	Civil Engineering (1)	Room B
	Engineering Sciences	Room C
	Marketing & Management (1)	AV Room
	Education & Culture (2)	Science Hall

Wednesday, March 30, 2016

Poster Session (Foyer Area, 4th floor)

Time	Schedule
09:40-10:40	Poster Session (1)
	Mechanical Engineering and Technology (1) / Engineering Sciences(1) / Green Technology / Food, Agriculture and Veterinary Sciences / Chemical Science (1)
11:00-12:00	Poster Session (2)
	Business & Economics / Education & Culture / Education
13:30-14:30	Poster Session (3)
	Computer Engineering and Technology (1) / Information Engineering and Technology (1) / Materials Science and Engineering / Biomedical Engineering (1)
15:00-16:00	Poster Session (4)
	Marketing & Management / Communication & Society / Psychology / Society / Politics & Law
16:30-17:30	Poster Session (5)
	Biological Engineering / Life Sciences (1) / Physics Sciences / Chemical Sciences / Chemical Engineering (2)

Thursday, March 31, 2016

Oral Session (4th Floor)

Time	Schedule	Venue
08:30-17:30	Registration	Foyer Area
09:00-10:30	Materials Science and Engineering (2)	Room A
	Life Sciences (1)	Room B
	Politics & Law	Room C
	Psychology (3)	AV Room
	Education (3)	Science Hall
10:30-10:40	Tea Break & Networking	Foyer Area
10:40-12:10	Electrical Engineering and Technology (2)	Room A
	Biomedical Engineering (3)	Room B
	Chemical Engineering	Room C
	Marketing & Management (2)	AV Room
	Education & Culture (3)	Science Hall
12:10-13:10	Lunch	Atrium
13:10-14:40	Life Sciences (2)	Room A
	Information Engineering and Technology (3)	Room B
	Chemical Sciences	Room C
	Marketing & Management (3)	AV Room
14:40-14:50	Tea Break & Networking	Foyer Area
14:50-16:20	Geology, Earth and Environmental Sciences (1) Environmental Engineering(2)	Room A
	Computer Engineering and Technology (4)	Room B
	Food, Agriculture and Veterinary Sciences	Room C
	Marketing & Management (4)	AV Room
16:20-16:30	Tea Break & Networking	Foyer Area
16:30-18:00	Geology, Earth and Environmental Sciences (2)	Room A
	Civil Engineering (2)	Room B
	Nanotechnology & Physics Sciences	Room C
	Marketing & Management (5)	AV Room

Thursday, March 31, 2016

Poster Session (Foyer Area , 4th floor)

Time	Schedule
09:40-10:40	Poster Session (6)
	Life Sciences (2) / Environmental Engineering / Geology, Earth and Environmental Sciences/ Engineering Sciences(2) / Biomedical Engineering (2)
11:00-12:00	Poster Session (7)
	Mechanical Engineering and Technology (2) / Mechanic and Engineering Sciences / Nanotechnology / Civil Engineering/ Electrical Engineering and Technology/ Information Engineering and Technology (2)/ Computer Engineering and Technology (2)

Natural Sciences Keynote Speech(I)

Science Hall

10:20-12:00 Wednesday March 30 , 2016

Topic:

Future Distributed Applications Based on Mobile Cloud Computing and Software-Defined Networks

Sergei Gorlatch

Professor
Computer Science
University of Muenster
Germany



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).

Brief Introduction of Dr. 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 was 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. Among his recent achievements in the area of communications and future Internet is the novel Real-Time Framework (www.real-time-framework.com) developed in his group as a platform for high-level development of real-time, highly interactive applications. In the area of networking, his group has been recently working in the pan-European project OFERTIE on an application-oriented Quality of Service approach for emerging Software-Defined Networks (SDN).

Natural Sciences Keynote Speech(II)

Science Hall

10:20-12:00 Wednesday March 30 , 2016

Topic:

Impressive Slideshow without Presentation Software

Kazuaki Maeda

Professor

Department of Business Administration and Information
Science

Chubu University

Japan



Abstract

When we give a presentation at conferences, we usually use one of desktop presentation software such as Powerpoint, OpenOffice.org and Keynote. This talk shows how to create slides and run a slideshow

without the presentation software. We can use open source software such as web browsers, LaTeX and JavaFX to make the slideshow. It supports running the slideshow with eye-catching transitions.

Brief Introduction of Dr. Kazuaki Maeda

He graduated from Graduate School of Science and Technology in Keio University. After leaving Keio University, he got an academic position at Chubu University in Japan. Now he is a professor at Department of Business Administration and Information Science at Chubu University. His research interests are Web Applications, Open Source Software, Domain Specific Languages, Compiler Construction, Object-Oriented Programming.

Social Sciences Keynote Speech

Science Hall

13:00-14:30 Wednesday March 30 , 2016

Topic:

Integrating Intercultural Awareness in Education

Michelle Kawamura

Faculty of Economics
Ritsumeikan University
Japan



Introduction of the speaker& speech:

It is my pleasure to be here, at this conference, meeting you all. We are very fortunate to be here, free of oppression, violence and/or any constrains, to share our expertise in various disciplines. We should treasure this freedom and spread the same spirit to our students, our peers and the people we encounter every day. The topic I would like to share with you today is intercultural awareness. My research has mainly focused on intercultural awareness and competence between students and teachers of different countries. Let me first introduce myself.

I am a member of the Faculty of Economics at Ritsumeikan University. Other than teaching Economics, Microeconomics in particular, my main responsibilities are planning and designing the English curriculum and integrating that curriculum with social, environmental and economic content. The content we write is derived from domestic and international issues. Our main purpose is to bring our students an awareness of global challenges with critical thinking training and the facts researched to support their logic. This kind of education which involves logical thinking in order to develop empathy towards the world is so vital in education in all disciplines today. Whether you are a professional in the field of science, business, environment or education, the teaching of content involving authentic world issues can bring out the inner humanity in our students and bring them a

step closer to intercultural awareness. We, the educators, future educators and researchers can prepare our students for an ever complex society and to be a real global citizens.

Again, today, we are so fortunate to be here meeting professionals from disciplines in the fields of natural sciences and engineering (ICNSE), chemical, biological and environmental sciences (ICCBES), social science and management (ICSSAM), Education, psychology and social sciences (ISEPSS) and engineering and information (ICEAI). This conference is a bona fide example of a pool of people of different religions, cultures and academic backgrounds getting together to discuss issues pertinent to us all. I believe the professionals here share my thoughts and this vision.

Encountering cross-cultural issues has become inevitable in our society throughout the world. Fitzpatrick and O'Dowd (2012) stated that in the 21st century workplace, cross-cultural communicative competence is a critically important ability. Raising cultural awareness and building multicultural sensitivity (Klinge & Rohmann, 2009) have been emphasized in the development of students' future careers. In fact, in recent years, cross-cultural communication has been integrated into curricula in many European countries (Walton, Priest, & Paradies, 2013). I would like to add that the purpose of building cross-cultural awareness should be foundational and not just for work purposes.

In many cases, the training of cross-cultural communication takes place in language classes.

However, often, teachers have no training in cross-cultural understanding. Also, the learning and training of cross-cultural communication needs to incorporate into real life issues, critical international issues and humanitarian issues.

Teachers' lack of the notion of becoming interculturally aware and the flexibility to respect cultural differences affects their students in the materials selected, instructions carried out, and in behavior (Sercu, 2005). This situation remains while the speed of globalization is proceeding, and the gap between the intercultural awareness among teachers and appropriate instruction becomes wider. This calls for a discussion of intercultural awareness and the teachers' new responsibilities in the current globalizing society (Sercu, 2005).

Earlier I talked about the lack of training in cross-cultural understanding and the teaching to bring such awareness into our classrooms. I would like to say that a teacher's awareness and interests in fostering the skills among our students to be compassionate and responsible citizens is more important than technical training.

It is the teacher's responsibility to take a step further to research how to link their discipline, their expertise and their research to real situations in their classrooms. It is the teachers' responsibility to integrate not only the knowledge in the textbook but to also to make this knowledge a living tool for their students.

My undergraduate degree was in economics, and my masters and doctorate in education. That probably explains why I am teaching in the school of Economics and planning curriculums to bridge social, environmental and economic issues into our classes at Ritsumeikan University. An example is the topic of poverty which we included as a chapter in our English communication and writing textbooks. This chapter included information regarding poverty in all countries both developing and developed. In this chapter we also included the utility of happiness, our social responsibilities, and corporate and government social responsibilities. We want to deliver the message that we all share the same problems in our societies and seek steps to help each other for a more ideal future. In addition to the topics of the contents we teach we also place emphasis on research and verifying information researched to ensure reliability. Since 2009 I have been conducting researches on cross-cultural communication to promote intercultural awareness. These researches are collaborative with professors from Taiwan and Korea. We have our students from Korea, Taiwan and Japan communicate using an internet platform. Our intention was to examine students' willingness to communicate before and after the implementation of the international communication projects we'd set up for them. In all results, the overall outcome is positive in students' perception of cross-cultural communication and future willingness to communicate with people of different cultures. In the classes at the School of Economics of Ritusmeikan, we are preparing students for cross-cultural communication through fostering awareness and interests of other cultures by learning international issues and problems that all countries are sharing. Then through this experiment we have brought students to real person to person communication. Just like this conference, as educators, we should foster students with higher critical thinking skills in today's complex globalizing society. Lastly, let's treasure our time here today and spread the same spirit to our students, our peers and the people we encounter every day.

Banking & Finance(1)

Tuesday, March 29, 2016

14:00-15:30

Room A

Session Chair: *Prof. Mingshan Zhang*

ICBASS-7789

Defensive Voluntary Disclosures

Chia-Wei Huang | *Yuan Ze University*

ICBASS-7801

Effects of Managerial Overconfidence on Analyst Recommendations

Mei-Chen Lin | *National Taipei University*

Po-Hsin Ho | *National Taipei University*

ICBASS-7811

Risk Culture, CEO Characteristics, Corporate Governance, and the Crisis Return of Firms

Chih-Yung Lin | *Yuan Ze University*

Dien Giau Bui | *Yuan Ze University*

ICBASS-7860

Signaling Revisited: Stock Repurchases in the 1990s

Mingshan Zhang | *New Jersey City University*

Zhimin Wang | *New Jersey City University*

ICBASS-8082

Using Text Mining for Dynamic Asset Allocation

Jing-Rung Yu | *National Chi Nan University*

Wan-Jiun Paul Chiou | *Northeastern University*

Wen-Kuei Dong | *National Chi Nan University*

Ching-Hung Hung | *National Chi Nan University*

Psychology (1)

Tuesday, March 29, 2016

14:00-15:30

Room B

Session Chair: *Prof. Jen-Wei Cheng*

ICBASS-7925

Relationships among Marital Status, Happiness, and Sleep Quality: Full-Time Employees in Taiwan

Zi-Wen Ye | *Asia University*

Shujen Lee Chang | *Asia University*

ICBASS-7927

Age Differences in Happiness and Sleep Quality: Full-Time Employees in Taiwan

Shujen Lee Chang | *Asia University*

Zi-Wen Ye | *Asia University*

ICBASS-8022

Voice Behavior and Career Success: The Moderating Role of Supervisor Attribution Motives

Jen-Wei Cheng | *National Taiwan University of Science and Technology*

Yi-Tai Seih | *National Taiwan University of Science and Technology*

Cheng-Ze Hung | *National Taiwan University of Science and Technology*

Tzu-Wei Su | *National Taiwan University of Science and Technology*

ICBASS-8066

The Effects of Sleep Quality on the Happiness of Full-Time Employees in Taiwan

Noriko Tada | *Ootemae University*

Shujen Lee Chang | *Asia University*

ICBASS-8096

Long Term Group and Premature Drop out Groups in Psychotherapy: Yalom's 'Here and Now' Techniques

Boonyawee Senabonyarit | *Assumption University*

`Biological Engineering (1)

Tuesday, March 29, 2016

14:00-15:00

Room C

Session Chair: *Prof. Wen-Tai Chiu*

GLSBE-19

Real Time Recording of Ca²⁺ Mobilization and Histamine Degranulation in Living Single Mast Cell

Wen-Tai Chiu | *National Cheng Kung University*

Yu-Chun Chang | *National Cheng Kung University*

GLSBE-49

The Effects of Sound and Light Headphones on Sleep Evaluated with EEG and HRV Machine

Xiang-Chao Chang | *Ming Chuan University*

Yue Chen | *Ming Chuan University*

Jih-Huah Wu | *Ming Chuan University*

GLSBE-51

Study of Autonomic Nervous Activity and Sleep Latency of Elderly Women Treated with LED Radiation

Wei-Hao Chen | *Ming Chuan University*

Shau-Ming Tseng | *Ming Chuan University*

Yang-Chyuan Chang | *Min-Sheng General Hospital*

Hui-Ling Chiu | *Min-Sheng General Hospital*

Wei Fang | *National Taiwan University*

Yi-Chia Shan | *National Taiwan University*

Jih-Huah Wu | *Ming Chuan University*

GLSBE-84

The Effect of Mechanical Properties of Polyhydroxyalkanoates (PHAs) Three-Dimensional (3D) Scaffolds on Proliferation of Human Gingival Fibroblasts (HGFs)

Seubsakul Phuegyod | *Mahidol University*

Nungnit Wattanavichean | *Mahidol University*

Rudee Surarit | *Mahidol University*

Nuttawee Niamsiri | *Mahidol University*

Banking & Finance(2)

Tuesday, March 29, 2016

15:45-17:45

Room A

Session Chair: *Prof. Michiko Miyamoto*

ICBASS-7856

Mutual Fund Herding Behavior and Investment Strategies in China Stock Market

Wei-Shan Hu | *Chung Yuan Christian University*

Yen-Hsien Lee | *Chung Yuan Christian University*

Ying-Chuang Chen | *Chung Yuan Christian University*

ICBASS-7942

Price Discovery before and after Shanghai-Hong Kong Stock Connect: Evidence from CSI 300 Spot and Futures Markets

Ming-Chih Lee | *Tamkang University*

Yen-Hsien Lee | *Chung Yuan Christian University*

Kuan-Yi Chiang | *Tamkang University*

ICBASS-7995

Probability Informed Trading with Day-of-the-Week Impact on Returns of Futures: Evidence from Taiwan Futures Markets

Ya-Ling Huang | *Chaoyang University of Technology*

Yen-Hsien Lee | *Chung Yuan Christian University*

Chia-Lin Hsieh | *Chung Yuan Christian University*

ICBASS-7987

Predicting Default for Japanese SMEs with Robust Logistic Regression

Michiko Miyamoto | *Akita Prefectural University*

ICBASS-8084

A Forecasting Portfolio Selection Rebalancing Model with Transaction Cost and Short Selling

Jing-Rung Yu | *National Chi Nan University*

Wan-Jiun Paul Chiou | *Northeastern University*

Wen-Yi Lee | *National Chi Nan University*

Shun-Ji Lin | *National Chi Nan University*

ICBASS-7777

Risk-Taking Behaviors and Financing Decisions: Evidences of Taiwan's Corporations with Cross Boarder Investments in China

Min-Ming Wen | *California State University, LA*

Yuanchen Chang | *National Cheng-Chi University, Taiwan*

Hsiao-Mei Lin | *National Cheng-Chi University, Taiwan*

ICBASS-7818

The Effects of Cultural Dimensions on Technology Acceptance at Individual Level

Chun Kit Lok | *The University of Hong Kong*

Communication & Society (1)

Tuesday, March 29, 2016

15:45-17:45

Room B

Session Chair: *Prof. Chen-Yin Chiang*

ICBASS-7798

Gender, Ethnicity, and Politics: Effects of Clan Politics on Taiwanese Women's Involvement in Politics

Chen-Yin Chiang | *National Central University*

ICBASS-7851

Domestic Dimension on Indonesian Public Diplomacy

Iva Rachmawati | *GadjahMada University*

ICBASS-7955

The Development of Television Programs for International Migrant Workers and Immigrants in Taiwan

Pei Tsai | *Shih Hsin University*

ISEPST-738

Understanding Masculinity Ideology in Convicted Rapists

Madhumita Pandey | *Anglia Ruskin University*

ISEPST-796

Spatial Analysis on Historical of Mackay in Northern Taiwan

Shao-Chi Chien | *Aletheia University*

Yu-Ching Kuo | *Aletheia University*

Chu-Mei Chen | *Aletheia University*

ISEPST-803

The Influence of Economic Factors on Study of Sociology of Consumption for Students

Nindya Maharani | *Bogor Agricultural University*

ICBASS-7757

Social Sustainability Assessment of Off-Shore Wind Power Farms: A Case Study of Taiwan's Pilot Project

Tzay-An Shiau | *National Taiwan Ocean University*

Ji-Kai Chuen-Yu | *National Taiwan Ocean University*

ICBASS-7820

To Disambiguate Wikipedia Entries by the Article Links between Wikipedia Articles

Lin-Chih Chen | *National Dong Hwa University*

Electrical Engineering and Technology (1)

Tuesday, March 29, 2016

15:45-17:45

Room C

Session Chair: *Prof. Hei Wong*

ACEAIT-7299

Characterization of Interface Structure of Multiple Stacked Dielectric Films Used in Nano CMOS Technology

Hei Wong | *City Universtiy of Hong Kong*

Jieqiong Zhang | *City Universtiy of Hong Kong*

Xuan Feng | *Zhejiang University*

Danqun Yu | *Zhejiang University*

ACEAIT-7429

Design of Municipal Solid Waste Management System for a Medium Size Community in a Hot-Humid Climate Region of Thailand

Thanut Boonruangsri | *King Mongkuts Institute of Technology Ladkrabang*

Warawat Tangsrianukula | *King Mongkuts Institute of Technology Ladkrabang*

Chivalai Chivalai Temiyasathit | *King Mongkuts Institute of Technology Ladkrabang*

Chai Chompoo-inwai | *King Mongkuts Institute of Technology Ladkrabang*

ACEAIT-7558

Self-Tuning Fuzzy Sliding Mode Controller for Position Control of Robot Manipulators

Tsing-Iuan James Tsay | *National Cheng Kung University*

Yu-Jhang Zeng | *National Cheng Kung University*

Kai-Hung Zhan | *National Cheng Kung University*

Biological Engineering (2)

Wednesday, March 30, 2016

08:30-10:00

Room A

Session Chair: *Prof. Chi-Chun Chen*

GLSBE-45

An Adaptive Deceleration Training Model for Ischemic Stroke Rehabilitation in Rats

Chi-Chun Chen | *National Chin-Yi University of Technology*

Shi-Cheng Su | *National Chin-Yi University of Technology*

GLSBE-60

Hi-C Chromatin Interactions Network Construction and Its Topological Hubs Identification

Jingjing Zhao | *East China Univerisity of Science and Technology*

Hongbo Shi | *East China Univerisity of Science and Technology*

GLSBE-63

The Embedded System Integrated ECG Monitoring and Low Energy LED Light Stimulation

Yi-Chia Shan | *National Taiwan University*

Jih-Huah Wu | *Ming Chuan University*

Shau-Ming Tseng | *Ming Chuan University*

Wei Fang | *National Taiwan University*

Wei-Hao Chen | *Ming Chuan University*

Computer Engineering and Technology (1)

Wednesday, March 30, 2016 08:30-10:00 Room B

Session Chair: *Prof. Wei-Mei Chen*

ACEAIT-7423

Data Collection with a Mobile Sink in Wireless Sensor Networks

Wei-Kang Liang | *National Taiwan University of Science and Technology*

Han-Peng Jiang | *National Taiwan University of Science and Technology*

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

ACEAIT-7320

Playable Frame Rate Prediction for Sliding-Window forward Error Correction Scheme Using Packet-Level Reed-Solomon Code

Yung-Tsung Weng | *National Cheng Kung University*

Chi-Huang Shih | *Hung Kuang University*

Ce-Kuen Shieh | *National Cheng Kung University*

ACEAIT-7433

Header-Based Language Independent Spam Mail Filtering

Chun-Ju Chou | *Chun Yuan Christian University*

Hsiao-Rong Tyan | *Chun Yuan Christian University*

ACEAIT-7434

Employing Various 2D Visual Appearances of 3D Objects to Explore the Understanding Differences of Assembly and Exploded Assembly Drawing

Ming-Chin Chiang | *Hwa Hsia University of Technology*

Chih-Fu Wu | *Tatung University*

ACEAIT-7375

A Study on the Key Exchange Method Using ECDH in MPTCP

Seol-Hee Sun | *Hanbat National University*

Eun-Gi Kim | *Hanbat National University*

ACEAIT-7623

An Energy-Efficient Closed-Loop Power Control of Wireless Network Using Game Theory

Deok-Joo Lee | *Kyung Hee University*

Een-Ki Hong | *Kyung Hee University*

Environmental Engineering (1) & Green Technology

Wednesday, March 30, 2016 08:30-10:00 Room C

Session Chair: *Prof. Andrei Giniatouline*

ACEAIT-6536

Using Real Car Tests to Analyze PCR Hydroplaning and Simulation Result Mapping

Min-Feng Sung | *KENDA Rubber ind. CO., LTD.*

Chin-Fu Chen | *KENDA Rubber ind. CO., LTD.*

Chao-Jung Chen | *KENDA Rubber ind. CO., LTD.*

Yi-Lung Lin | *KENDA Rubber ind. CO., LTD.*

ACEAIT-6579

On the Mathematical Study of a Nonlinear Atmosphere Dynamics Counting with Humidity and Heat Transfer

Andrei Giniatouline | *Los Andes University*

German Tobar | *Los Andes University*

ACEAIT-7312

Relationship between the Fractal Dimensions of Debris Flow Paths and Soil Particle Size Distributions

Dan Thanh Tran | *Nagasaki University*

Ogawa Susumu | *Nagasaki University*

ACEAIT-7359

Hydrolysis of Activated Sludge to Enhance the Extractable Lipid by Subcritical Water Technology

Lan Phuong Tran-Nguyen | *National Taiwan University of Science and Technology*

Yi-Hsu Ju | *National Taiwan University of Science and Technology*

ACEAIT-7568

Allelopathic Effect of *Antrodia cinnamomea* and *Vitis amurensis* on Harmful Cyanobacteria in Fresh Water

Hung-Kai Yen | *Meiho University*

Shih-Han Fu | *Meiho University*

Tsair-Fuh Lin | *National Cheng Kung University*

ISFAS-1478

Modification of Solid Sorbent with Natural product as Solid Sensor for Determination of Metal Ions in Water Samples

Warangkhan Khaodee | *Chaingmai Rajabhat University*

Wanlapa Aeungmaitrepirom | *Chulalongkorn University*

Thawatchai Tuntulani | *Chulalongkorn University*

ISFAS-1525

Box-Behnken Optimization for Rapid Determination of Selected Pharmaceutical Residues Using Dispersive Magnetic Nanoparticles -Polypyrrole Adsorbent

Faridah Mohd Marsin | *Ministry of Science, Technology and Innovation*

Wan Aini Wan Ibrahim | *Universiti Teknologi Malaysia*

Mohd Marsin Sanagi | *Universiti Teknologi Malaysia*

Business & Economics (1)

Wednesday, March 30, 2016

08:30-10:00

AV Room

Session Chair: *Prof. Sangho Kim*

ICBASS-7748

Conflict Triggers in International Business Negotiations

Stefanie Alexa Stadler | *Nanyang Technological University*

ICBASS-7750

A Journey of Bundles and Tasks: From Hinterland to the Citys Marketplace

Anna Marie Pasion Talam | *University of the Philippines Cebu*

ICBASS-7971

Factor Determinants of Decomposed Total Factor Productivity Growth: Evidence from Japanese Manufacturing Firms

Sangho Kim | *Ritsumeikan Asia Pacific University*

ICBASS-8035

Delisting Risk Analysis: Empirical Evidence from the Thai Listed Companies

Thitivadee Chaiyawat | *Chulalongkorn University*

Pornpan Samranruen | *UOB Bank*

Education (1)

Wednesday, March 30, 2016 08:30-10:00 Science Hall

Session Chair: *Prof. Jacqueline Kin-sang Chan*

ISEPST-667

Teaching Knowledge about Language to Preservice Teachers: A Blended Learning Approach

Michael David Carey | *University of the Sunshine Coast*

ISEPST-696

Do Malaysian Teachers' Innovative Behaviour Influenced by Psychological Empowerment?

Aziah Ismail | *Universiti Sains Malaysia*

Wan Norkursiah Zainol Abdullah | *Universiti Sains Malaysia*

Abdul Ghani Abdullah | *Universiti Sains Malaysia*

ISEPST-697

Learning to Teach: The Professional Development of Pre-Service Teachers in the Era of Curriculum Change

Jacqueline Kin-sang Chan | *Hong Kong Institute of Education*

ISEPST-740

A Study on International Students' Learning Experiences and the Process of Academic Adjustment in Taiwan—The International Undergraduate Students of National Taiwan Normal University as an Example

Han Kuang-Li | *National Kaohsiung Normal University*

ISEPST-799

Social Integration and Job Satisfaction of Employees with Disability: Comparing and Contrasting with General Newcomers

Sofia Hsiou-Huei Lai | *National Kaohsiung Normal University*

ISEPST-648

Class Interactive Reading Aloud (CIRA): A Holistic Lens on Interactive Reading Aloud Sessions in Kindergarten

Lea Ann Christenson | *Towson University*

ISEPST-703

Software Solves the Contradiction-Specific Examples of a General Concept

Vladimir Nodelman | *Holon Institute of Technology*

Banking & Finance (3)

Wednesday, March 30, 2016 10:20-12:00 Room A

Session Chair: *Prof. Arpita Ghosh*

ICBASS-7737

Agency Problem, Dividend Policy and Disclosure Quality

Hsien-Chang Kuo | *Shih Chien University*

Dan Lin | *Takming University of Science and Technology*

Lie-Huey Wang | *Ming Chuan University*

ICBASS-7762

The Relationship between Corporate Governance and FCF

Dan Lin | *Takming University of Science and Technology*

Lu Lin | *Takming University of Science and Technology*

ICBASS-7814

VIX as Market Timing Indicator– Evidence from Six Countries in East Asian Markets

Jen-Sin Lee | *I-Shou University*

Yu-Ko Huang | *Shih Chien University Kaohsiung Campus*

Yi-Jie Lin | *I-Shou University*

ICBASS-7838

The Effect of Demographic Dividend on CEO Compensation

Sue-Fung Wang | *National Chiao Tung University*

Yi-Cheng Shih | *National Taipei University*

Chih-Yen Lin | *Fu Jen Catholic University*

Kai-Ling Chin | *National Chiao Tung University*

ICBASS-7994

Drivers of Non-Performing Assets in Indian Banks

Arpita Ghosh | *IIM Calcutta*

Communication & Society (2)

Wednesday, March 30, 2016 10:20-12:00 Room B

Session Chair: *Prof. Yu-Chao Huang*

ICBASS-7767

The Study of Articles and Features Writing for Public Relations in Printed Media

Wirat Wongpinunwatana | *Khon Kaen University*

ICBASS-7774

Tailoring Safer Sex Messages to Men Who Have Sex with Men in Taiwan: A Pilot Study

Yu-Chao Huang | *National Dong Hwa University*

Nai-Ying Ko | *National Cheng Kung University*

ICBASS-8014

Narrating the Tragic Past; Coping with the Present; Rebuilding and Sustaining Lives after Typhoon Haiyan's Devastation

Belinda Torres Conde | *University of Perpetual Help System DALTA*

Neliza Cayaban Casela | *Adamson University*

ICBASS-8021

Relieve Life Pressure: Constructing a Healthy Service on Wearable Device

Hung-Pin Hsu | *Southern Taiwan University of Science and Technology*

Bo-Cheng Yang | *Southern Taiwan University of Science and Technology*

ISEPST-776

Acculturation in Vietnamese Contemporary Literature

Hue Hoang Thi | *Hue University of Education*

Ha Hoang Thi Hong | *Van Lang University*

Psychology (2)

Wednesday, March 30, 2016 10:20-12:00 Room C

Session Chair: *Prof. Gwowen Shieh*

ICBASS-7755

Personality and Virtual Community in Online Games

Ching-I Teng | *Chang Gung University*

Pei-Yi Zou | *Chang Gung University*

ICBASS-7809

Designing Statistically Powerful Heteroscedastic 2 × 2 Factorial Studies

Gwowen Shieh | *National Chiao Tung University*

Show-Li Jan | *Chung Yuan Christian University*

ICBASS-7914

The Women in 3 Perspective of World Educational

Sitti Hutari Mulyani | *Universitas Putra Indonesia YPTK Padang*

Haris Satria | *Universitas Putra Indonesia YPTK Padang*

ICBASS-8101

Escape from Being Tracked and the Right to Privacy

Brock Kenneth Kilbourne | *El Camino Psychology Services, PC*

Wade Harned | *Complete Webdesign Solution*

Samantha Kilbourne | *El Camino Psychology Services, PC*

ISEPST-664

Adolescent Anger Inventory – Instrument to Measure Adolescents' Anger

Nor Shafrin Ahmad | *Universiti Sains Malaysia*

Rahimi Che Aman | *Universiti Sains Malaysia*

Ahmad Amin Mohamad Sulaiman | *Universiti Sains Malaysia*

Abdul Rashid Mohamad | *Universiti Sains Malaysia*

ISEPST-808

Application of Latent Transition of Growth Mixture Model on Adolescent Developmental Discontinuity of Depression

Yuchung Lawrence Wang | *National Changhua University of Education*

Education (2)

Wednesday, March 30, 2016 10:20-12:00 AV Room

Session Chair: *Prof. Todd W Kenreich*

ISEPST-728

Preparing Cosmopolitan Teachers: Preservice Teachers and their Beliefs about Global Citizenship Education

Todd W Kenreich | *Towson University*

ISEPST-725

The Study of Discipline and Hexis Body: An Ethnographic method in One Kindergarten in Taiwan

Shu-Lun Chen | *National Chengchi University*

ISEPST-731

The Effectiveness Of Using ICT For School-Home Communication

Azidah Abu Ziden | *Universiti Sains Malaysia*

Woon Ching Too | *Universiti Sains Malaysia*

Soon Fook Fong | *Universiti Malaysia Sabah*

ICBASS-7954

Learning Frequency and Other Self-Regulated Learning Strategies to Predict Mobile Learning Outcome for Students with Different Levels in an "SMS Content Delivery" Vocabulary Learning Task

Ming-Jay Chang | *Shih Hsin University*

ISEPST-757

The Study of the Phenomenon of Fangliao Immigrant Residents' Children Getting Better Academic Performance in Taiwan

Tseng Shih-Feng | *National Kaohsiung Normal University*

ISEPST-700

Strengthening Social Integration Within Cultural and Ethnic Diversity: Lesson From Indonesia

Syarif Muhidin Abdurahman | *Universiti Utara Malaysia*

Wan Ibrahim Wan Ahmad | *Universiti Utara Malaysia*

ISEPST-685

Why Dont Students Listen to Assessment Feedback

Peter Grainger | *University of the Sunshine Coast*

Mechanic and Engineering Sciences & Mechanical Engineering and Technology (1)

Wednesday, March 30, 2016 13:00-14:30 Room A

Session Chair: *Prof. Parkpoom Sriromreun*

ACEAIT-7371

Design of Gravity-Driven Electromagnetic Energy Harvesters

Han Guo | *National Kaohsiung First University of Science and Technology*

Po-Chi Hsu | *Earth Energy International Technology Co., Ltd*

Wei-Qian Jian | *National Kaohsiung First University of Science and Technology*

Wu-Sung Yao | *National Kaohsiung First University of Science and Technology*

ACEAIT-7377

Effect of Flow Channel Designs on Efficiency of PEMFC

Hsuan-Ting Liu | *National Sun Yat-Sen University*

Yao-Lun Hu | *National Sun Yat-Sen University*

Ting-Hsuan Su | *National Sun Yat-Sen University*

Chi-Hui Chien | *National Sun Yat-Sen University*

ACEAIT-7381

Mechanical Properties Calculations for Metal IMC at Reflow Temperature – Young's Modulus and Poisson's Ratio

Yu-Yan Chen | *National Sun Yat-Sen University*

Chung-Ting Wang | *Advanced Semiconductor Engineering, Inc.*

Wei-Chi Lee | *National Sun Yat-Sen University*

Chi-Hui Chien | *National Sun Yat-Sen University*

Ping-Feng Yang | *Advanced Semiconductor Engineering, Inc.*

Bo-Syun Chen | *National Sun Yat-Sen University*

ACEAIT-7419

Increasing Thermal Efficiency for Hot Air Generator Using Biomass Gas Stove for Drying Processes with Changing Direction of Hot Air

Parkpoom Sriromreun | *Srinakharinwirot University*

Sommas Kaewluan | *Srinakharinwirot University*

ACEAIT-7541

The Study of Fresnel Lens Collector with Solar Tracking System Using in High Temperature Solar Energy Thermal System in Thailand

Teerapath Limboonruang | *Srinakharinwirot University*

Nittalin Phun-apai | *Srinakharinwirot University*

Computer Engineering and Technology (2)

Wednesday, March 30, 2016 13:00-14:30 Room B

Session Chair: *Prof. Chun-Hung Cheng*

ACEAIT-7291

A RFID-Enabled Platform for Real-Time Ward Event Monitoring and Human Interaction Analytics

Kwong-Tim Chan | *The Chinese University of Hong Kong*

Chun-Hung Cheng | *The Chinese University of Hong Kong*

Dorbin Tobun Ng | *The Chinese University of Hong Kong*

Ziye Zhou | *The Chinese University of Hong Kong*

ACEAIT-7413

Brainwave Attention Effect on Music Stimulation for Different Learning Style Students

I-Hui Li | *Ling Tung University*

Chuan-Hu Sun | *National Chung Hsing University*

Yi-Xuan Lin | *Ling Tung University*

Cing-Long Yang | *Ling Tung University*

Zheng Hong Li | *Ling Tung University*

Jiao-Wei Fu | *Ling Tung University*

ACEAIT-7448

The Influences of Stereoscopy and Directing Postures to Dynamic Tracking

Chiuhsiang Joe Lin | *National Taiwan University of Science and Technology*

Sui-Hua Ho | *National Taiwan University of Science and Technology*

Yan-Jyun Chen | *National Taiwan University of Science and Technology*

ACEAIT-7467

Fruit Seed Image Recognition System (FSIRS)

Chomtip Pornpanomchai | *Mahidol University*

Benjamaporn Lursthut | *Mahidol University*

ACEAIT-7524

**Exploring the Management of Government Social Media - Studies from the Facebook
Fan Pages in Taiwan**

Ying Hsun Hung | *Hwa-Shia University of Technology*

Wen-Kuo Chen | *Chaoyang University of Technology*

Information Engineering and Technology (1)

Wednesday, March 30, 2016 13:00-14:30 Room C

Session Chair: *Prof. Kairat Jaroenrat*

ACEAIT-5239

On IP Network Traffic Engineering Performance of Modified Branch Exchange and Interior Point Method

Kairat Jaroenrat | *Kasetsart University*

Tichakon Sumrongsub | *Kasetsart University*

Thanachot Thitivichienlert | *Kasetsart University*

Natdanai Suksaeng | *Kasetsart University*

ACEAIT-5240

A Performance Study of the Media Streaming Protocols

Natchamol Srichumroenrattana | *Nakhon Pathom Rajabhat University*

ACEAIT-7416

Reconfiguring Composite Coding Labels to Adapt to Packets Traffic in Optical MPLS Network Routing

Jen-Fa Huang | *National Cheng Kung University*

Kai-Sheng Chen | *National Cheng Kung University*

Ting-Ju Su | *National Cheng Kung University*

ACEAIT-7500

System Configuration and Error Performance in Multirate MPLS Networks

Chao-Chin Young | *Kun Shan University*

Jen-Fa Huang | *National Cheng Kung University*

Kai-Sheng Chen | *National Cheng Kung University*

Chun-Ting Lee | *National Cheng Kung University*

ACEAIT-7319

Improved Fuzzy Association Rule-Based Classification for High-Dimensional Problems

Pei-Hao Lu | *National Sun Yat-Sen University*

Bing-Kun Xie | *National Sun Yat-Sen University*

Shie-Jue Lee | *National Sun Yat-Sen University*

Chih-Hung Wu | *National University of Kaohsiung*

Materials Science and Engineering (1)

Wednesday, March 30, 2016 13:00-14:30 AV Room

Session Chair: *Prof. Paranee Sriromreun*

ACEAIT-7289

Unzipped Double-Walled Carbon Nanotubes to Fabricate Graphene Oxide Nanoribbon Incorporated Polybenzimidazole as Polyelectrolyte Membrane for Direct Alkaline Methanol Fuel Cells

Hung Chun Hsu | *Chang Gung University*

Shingjiang Jessie Lue | *Chang Gung University*

ACEAIT-7294

Graphene Oxide Nanosheet Framework on the Surface of Polyvinylidene Fluoride-co-Polyacrylic Acid Composite Membrane for Water Purification

Febri Baskoro | *Chang Gung University*

Shingjiang Jessie Lue | *Chang Gung University*

ACEAIT-7314

Organic Electrolytes Select for Aprotic Lithium-Oxygen Batteries

Michael Tang | *Chang Gung University*

Shingjiang Jessie Lue | *Chang Gung University*

ACEAIT-7455

Synthesis and Characterization of Poly (Butanediol Terephthalate-Co-Lactic Acid) (PBDT-Co-PLA) Copolymer

Paranee Sriromreun | *Srinakharinwirot University*

Atitsa Petchsuk | *National Metal and Materials Technology Center (MTEC)*

Mantana Opaprakasit | *Chulalongkorn University*

Pakorn Opaprakasit | *Thammasat University*

Mechanical Engineering and Technology (2)

Wednesday, March 30, 2016 14:50-16:20 Room A

Session Chair: *Prof. Wei-Mon Yan*

ISFAS-1471

Transient Thermal Energy Storage Characteristics in Double-Layered Enclosure Packed with Composite Phase Change Materials

Guang-Ya Ling | *National Taipei University of Technology*

Wei-Mon Yan | *National Taipei University of Technology*

ISFAS-1542

Vacuum Chamber and Nozzle Technology in LED Bonding Process

Liang Yu Chen | *National Taipei University of Technology*

Hong-Ping Cheng | *National Taipei University of Technology*

Chin-Chi Cheng | *National Taipei University of Technology*

ACEAIT-7363

The Forming Analysis of Two-Stage Extrusion for 1010 Fastener

Chih-Cheng Yang | *Kao Yuan University*

Xuan-Yu Lin | *Kao Yuan University*

ACEAIT-7439

How to Enhance a Graphic Representation of Topological Optimized Profiles Regarding Manufacturing Information

Katharina Albrecht | *Technische Universität Darmstadt*

Reiner Anderl | *Technische Universität Darmstadt*

Computer Engineering and Technology (3)

Wednesday, March 30, 2016 14:50-16:20 Room B

Session Chair: *Prof. Yao Shieh*

ACEAIT-7405

Development of a Sugoroku Based Visual Programming Language SUGOPRO for Children

Takeshi Kawano | *Tokai University*

Naohiko Shimizu | *Tokai University*

ACEAIT-7464

Reengineering of a Factory Simulation Software Using Cloud Computing

Tin-Chih Toly Chen | *Feng Chia University*

ACEAIT-7627

Non-Linear Buckle Analysis of Stiffened Cylindrical Pressure Hull

G. M. Luo | *National Kaohsiung Marine University*

Y. H. Huang | *National Kaohsiung Marine University*

ACEAIT-7547

Fish Observation and Tracking System in Underwater Environment

Yi-Haur Shiau | *National Center for High-Performance Computing*

Fang-Pang Lin | *National Center for High-Performance Computing*

Sun-In Lin | *National Center for High-Performance Computing*

ACEAIT-7437

A Novel Image Registration Method for Subtraction Coronary CT Angiography

Yao Shieh | *Chang Gung University*

Mengkai Shieh | *New York Methodist Hospital*

Yung-Liang Wan | *Chang Gung University*

Cheng-Chen Chen | *Chang Gung University*

Scott Goodwin | *University of California, Irvine*

ACEAIT-7567

Pricing Quanto-Typed Life Insurances on the FinancialCloud

Pei-Ting Huang | *National Taiwan Ocean University*

William W.Y. Hsu | *Academia Sinica*

Information Engineering and Technology (2)

Wednesday, March 30, 2016 14:50-16:20 Room C

Session Chair: *Prof. Chunshien Li*

ACEAIT-7292

A Provably Secure Trapdoor Hash Function Based on k-ECAA

Fuw-Yi Yang | *Chaoyang University of Technology*

Su-Hui Chiu | *Chaoyang University of Technology*

ACEAIT-7293

Complex-Fuzzy Cause-Effect Approach to Financial Sequence Forecasting

Chunshien Li | *National Central University*

ACEAIT-7350

Hiding Data in Electrocardiogram Based on IWT Domain via Simple Coefficient Adjustment

Ching-Yu Yang | *National Penghu University of Science and Technology*

Kuang-Tsan Lin | *St. John's University*

ACEAIT-7364

Energy Efficient Greedy Forwarding with Classifying Inclusive Nodes Based on Two-Hop Information over Ad-hoc Networks

Phonepadith Phoummavong | *Tokai University*

Keisuke Utsu | *Tokai University*

Hiroshi Ishii | *Tokai University*

ACEAIT-7428

Understand Trend of Taxi Usage and its Fare Rate from Large-Scale Analysis of Trajectory Data

Thananut Phiboonbanakit | *Sirindhorn International Institute of Technology, Thammasat University*

Teerayut Horanont | *Sirindhorn International Institute of Technology, Thammasat University*

ACEAIT-7582

Expert Recommendation with Topic Relevance, Interest Trend and Authority

Ping Ji | *The Hong Kong Polytechnic University Shenzhen Research Institute &*

The Hong Kong Polytechnic University

Jian Jin | *Beijing Normal University & The Hong Kong Polytechnic University*

Business & Economics (2)

Wednesday, March 30, 2016 14:50-16:20 AV Room

Session Chair: *Prof. William Chan*

ICBASS-7792

Co-Operatives Development through Financial Investment: A Case Study of Phichit Teacher Saving Co-Operatives Ltd. Phichit Province, Thailand

Anucha Wittayakorn Puripunpinyoo | *Sukhothai Thammatirat Open University*

Pranet Prasongpol | *Phichit Teacher Saving Co-operatives Ltd.*

ICBASS-7840

Estimating the Impact of the El Nino and the Malampaya Gas Field Shutdown on Electricity Prices, Household Expenditures, and Production Cost

John Lourenze Salandanan Poquiz | *Philippine Statistics Authority*

ICBASS-7877

Courtesy Common Sense and Change

Fiona Ellen Fisher | *OD Partners Ltd*

ICBASS-8063

Do Public Housing Tenants Fare Worse in the Labor Market?

William Chan | *University of Hong Kong*

Richard Wong | *University of Hong Kong*

Education & Culture (1)

Wednesday, March 30, 2016 14:50-16:20 Science Hall

Session Chair: *Prof. Francisco DP Daez*

ICBASS-7719

The Relationship of Critical Thinking Skills and Decision Making Skills of Selected Higher Education Institutions Senior Management Accounting, Finance, and Accounting Technology Students in the Province of Bulacan, Philippines

Jay-Arr Calong Tayao | *Kolehiyo ng Guiguinto*

Francisco DP. Daez | *Meycauayan College*

ICBASS-7756

Branding the City through Creative Community: The Chiang Mai Experience

Araya Santisan | *Kasetsart University*

ICBASS-7804

An Empirical Evaluation of Critical Factors Influencing Learner Satisfaction in E-Learning Environment: A Pilot Study

Won Sun Chen | *Monash University*

Adrian Yong Tat Yao | *Monash University*

ICBASS-8077

The Gaze and Illusion of Tourist – A Case Study of Crystal Church in Beimen of Tainan City

I Chin Kuo | *Kun Shan University*

Aling Lin | *Kun Shan University*

ISEPST-768

Types and Changes of Students' Mathematical Disposition: A Longitudinal Study

Su-Wei Lin | *National University of Tainan*

Wen-Chun Tai | *National University of Tainan*

ICBASS-8013

Understanding Teacher Emotions: The Development of a Teacher Emotion Inventory

Junjun Chen | *The Hong Kong Institute of Education*

Mechanical Engineering and Technology (3)

Wednesday, March 30, 2016 16:30-18:00 Room A

Session Chair: *Prof. Shey-Huei Sheu*

ACEAIT-7391

One-Dimensional Modeling of Heat Transfer in Intumescent Coating Material

Han-Lin Wu | *National Sun Yat-Sen University*

Sheng-Yen Hsu | *National Sun Yat-Sen University*

ACEAIT-7408

Design of Quadcopter Automatically Manage Control System

Chun-Yi Lin | *National Kaochsiung First University of Science and Technology*

Chien-Cheng Lin | *National Kaochsiung First University of Science and Technology*

Wu-Sung Yao | *National Kaochsiung First University of Science and Technology*

ACEAIT-7468

Optimal Replacement Policy Based on Cumulative Damage for a Two-Unit System

Shey-Huei Sheu | *Providence University*

Tzu-Hsin Liu | *Providence University*

Zhe-George Zhang | *Providence University*

Hsin-Nan Tsai | *Providence University*

ACEAIT-7475

Design and Development of the Holders of Rock Climbing for Sport Climbing Wall Applied Natural Material in Thailand

Nittalin Phunapai | *Srinakharinwirot University*

Teerapath Limboonruang | *Srinakharinwirot University*

ACEAIT-7440

Finite Element Analysis Approach on 3D Modeling of Archery Bow Design

Zulkifli Ahmad | *Universiti Malaysia Pahang*

Barath Ponnusamy | *Universiti Malaysia Pahang*

Zakri Ghazalli | *Universiti Malaysia Pahang*

Civil Engineering (1)

Wednesday, March 30, 2016 16:30-18:00 Room B

Session Chair: *Prof. Naai Jung Shih*

ACEAIT-7349

Experiencing an Informal Dining Route through the 3D Scanned Data of Urban Fabric

Naai Jung Shih | *National Taiwan University of Science and Technology*

ACEAIT-7366

Full-Depth Reclamation: In-Situ Evaluation and Laboratory Testing

Chang-Seon Shon | *Nazarbayev University*

Assel Bissenova | *Nazarbayev University*

Eldar Sharafutdinov | *Nazarbayev University*

Yeskendir Aldabergen | *Nazarbayev University*

Nurdaulet Kutymbek | *Nazarbayev University*

Jong R Kim | *Nazarbayev University*

Tom Scullion | *Texas A&M Transportation Institute*

ACEAIT-7384

Slender Concrete Wall Behavior Predicted by Finite Element Analysis

Dong Jun Lee | *Seoul National University of Science and Technology*

Soon-Taek Oh | *Seoul National University of Science and Technology*

Yun Sik Kim | *Seoul National University of Science and Technology*

ACEAIT-7454

Analyzing Surge Pressure of Standpipe and Hose Systems in a High-Rise Building with FMECA Method

Mei-Fang Huang | *National Central University*

Chen-Wei Chiu | *National Taiwan Police College*

Han-Hsiang Wang | *National Central University*

ACEAIT-7589

Delay in Construction Permit for Local Government– A Malaysian Experience

Ir. Bashir A.M | *Nadi Consult Era Sdn. Bhd*

Abdul Hakim | *Universiti Teknologi Malaysia*

Ramli Nazir | *Universiti Teknologi Malaysia*

ACEAIT-7581

Developing Models for Evaluating the Carbon Reduction by the Balance and by the Exchange of Construction Surplus Soils

Wei-Yen Tsai | *National Central University*

Tsung-Yi Tsai | *National Central University*

Rong-Yau Huang | *National Central University*

Jieh-Haur Chen | *National Central University*

ACEAIT-7542

A Preliminary Review of Payment Mechanisms for PPP Projects

Shing-Wen Tsai | *National Central University &*

Chien Hsin University of Science and Technology

Jyh-Bin Yang | *National Central University*

ACEAIT-7690

Integration and Application of Bluetooth Low Energy Technology to Positioning-Based Personnel Attendance System

Chin-Chuan Chang | *Feng Chia University*

Pao-Hung Lin | *Feng Chia University*

Yi-Ru Li | *Taiwan International Building Management Co, Ltd*

Chih-Yung Lai | *Taiwan International Building Management Co, Ltd*

I-Nan Lin | *Taiwan International Building Management Co, Ltd*

Engineering Sciences

Wednesday, March 30, 2016

16:30-18:00

Room C

Session Chair: *Prof. Wei-Mon Yan*

ISFAS-1477

Development of Membrane Type Humidifier for High-Powered Proton Exchange Membrane Fuel Cell Stack

Chi-Nan Lai | *National Taipei University of Technology*

Chen-Yu Chen | *Chinese Culture University*

Wei-Mon Yan | *National Taipei University of Technology*

ISFAS-1479

The Kinetics of Dephosphorization of Molten Iron Using Slag Containing BaO

Tanongsak Yingnakorn | *Institute of Engineering, Suranaree University of Technology*

Siam Thongnak | *Institute of Engineering, Suranaree University of Technology*

Sakhob Khumkoa | *Suranaree University of Technology, Institute of Engineering*

ISFAS-1480

Study on Scale Formation of AISI 430 Stainless Steel in Annealing Atmospheres

Thanakit Seekoh | *Institute of Engineering, Suranaree University of Technology*

Loeslakkhana Srikhang | *Institute of Engineering, Suranaree University of Technology*

Thanawit Jindangam | *Institute of Engineering, Suranaree University of Technology*

Sakhob Khumkoa | *Institute of Engineering, Suranaree University of Technology*

ISFAS-1538

New Simple QPP Interleaver for Turbo Code

Wei-Der Chang | *Shu-Te University*

Ching-Lung Chi | *Shu-Te University*

Jian-Long Guo | *Shu-Te University*

Qiao-Zhi Zheng | *Shu-Te University*

Bo-Hong Ye | *Shu-Te University*

Jin-Wei Wang | *Shu-Te University*

Zi-Qin Liao | *Shu-Te University*

ISFAS-1596

Multi-Objective Economic Load Dispatch with the Integration of Solar and Wind Systems Using Cultural-Based Firefly Algorithm

Isaree Srikun | *Phranakhon Rajabhat University*

Marketing & Management (1)

Wednesday, March 30, 2016 16:30-18:00 AV Room

Session Chair: *Prof. Mei-Ya Wang*

ICBASS-7829

Enhancing Service Quality Improvement Strategies for Large Music Festival Events Based on the SIA-NRM Approach

Chia-Li Lin | *Shih Chien University*

Yen-Yen Chen | *Tajen University*

Gwo-Hshiang Tzeng | *National Taipei University*

ICBASS-7897

Organizational Adaptation Strategy and Firm Performance: A Case Study of Flower Plants Business in Thailand

Chattawat Limpsurapong | *Kasetsart University*

Nattanan Saksamrit | *Kasetsart University*

Krittapong Watcharanukul | *Kasetsart University*

Worravit Kultangwatana | *Kasetsart University*

Somkit Tugsinavisuitti | *Kasetsart University*

Vinich Vinich | *Kasetsart University*

Kullanun Sripongpun | *Kasetsart University*

ICBASS-7909

Adoption of TAM in Exploring Auto Drivers' Acceptance of Active Safety System

Shih-Jen Wang | *National Chung Hsing University*

Ying-Jiun Hsieh | *National Chung Hsing University*

Lan-Ying Huang | *National Chunghua University of Education*

ICBASS-8053

Information Diffusion of Marketing Strategies on the Facebook Page - A Case of McDonald's

Ting-Lin Lee | *National University of Kaohsiung*

Huan-Yi Chu | *National University of Kaohsiung*

ICBASS-8131

**A Study on the Conceptual Framework of the Innovative Environment of Trade Fairs :
Knowledge Creation Perspective**

Mei-Ya Wang | *Shih-Hsin University*

ICBASS-8093

**The Influences of Service Innovations on Firm's Market Performance: A Dynamic
Capabilities Approach**

Chia-Ling Eunice Liu | *National Cheng Kung University*

Ting-Ting Yu | *National Cheng Kung University*

Education & Culture (2)

Wednesday, March 30, 2016 16:30-18:00 Science Hall

Session Chair: *Prof. Lilibeth Sabejon Galvez*

ICBASS-7788

IK in Fishing: Its Moribund to the Younger Generation

Lilibeth Sabejon Galvez | *Davao Oriental State College of Science and Technology*

ICBASS-8079

City Image of Cultural Governance: the Case of Tainan City Confucius Temple Cultural Zone

Aling Lin | *Kun Shan University*

I Chin Kuo | *Kun Shan University*

ICBASS-7781

Consonant Variation in Thai Phuan Spoken at Ban Phue District, Udon Thani Province

Sirichai Homduang | *Khon Kaen University*

Supakit Buakaw | *Khon Kaen University*

ICBASS-7782

The Lexical Variations of Thai Phuan in Ban Phue District, Udon Thani Province

Ratchaneechay Choeirod | *Khon Kaen University*

Supakit Buakaw | *Khon Kaen University*

ICBASS-7803

On Spatio-Temporal Information Model for Street Pattern Change of Kyoto

Tse-Wei Hsu | *National Yunlin University of Science and Technology*

Ji-Hyun Lee | *Korea Advanced Institute of Science and Technology*

Shang-Chia Chiou | *National Yunlin University of Science and Technology*

Material Science and Engineering (2)

Thursday, March 31, 2016

09:00-10:30

Room A

Session Chair: *Prof. Shingjiang Jessie Lue*

ACEAIT-7287

Polybenzimidazole/Fe₃O₄-GO Nanocomposite Membrane as Highly Active Anionic Exchange Membrane for Direct Alkaline Alcoholic Fuel Cells

Jia-Jie Wang | *Chang Gung University*

Shingjiang Jessie Lue | *Chang Gung University*

ACEAIT-7328

Membrane Electrolytes for Alkaline Direct Ethanol Fuel Cells

Shingjiang Jessie Lue | *Chang Gung University*

ACEAIT-7409

Carbon Structure Replicated from FAU-Zeolite Nanoparticles

Khanin Nueangnoraj | *Sirindhorn International Institute of Technology, Thammasat University*

Takashi Kyotani | *Tohoku University*

ACEAIT-5617

Synthesis and Performance of the Polybenzimidazole/Graphene Oxide Composite Membrane as Anionic Exchange Membrane for Alkaline Direct Methanol Fuel Cells

Li-Wei Teng | *Chang Gung University*

Shingjiang Jessie Lue | *Chang Gung University*

ACEAIT-7403

Green Degumming Agave Cantala Fiber Using Microbial and Economic Review

Galang Galih Gibran | *Islamic University of Indonesia*

Asmanto Subagyo | *Islamic University of Indonesia*

Nana Rusdiana | *Islamic University of Indonesia*

Life Sciences (1)

Thursday, March 31, 2016

09:00-10:30

Room B

Session Chair: *Prof. Nguyen Ngoc Huu*

GLSBE-33

Goat Milk Utilization as Complementary Feeding of Children after Six Month to Reduce Undernourished Rate in Indonesia

Erin Sebtiarini | *Airlangga University*

Erni Rosita Dewi | *Airlangga University*

Linda Dewanti | *Airlangga University*

GLSBE-41

Effect of Phosphate Solubilizing Bacterial Strains Isolated from *Calotropis Gigantea* and *Cyanodon Dactylon* and Their Effect on Growth and Development of Millets

B. Harinathan | *Madurai Kamaraj University*

S. Sankaralingam | *Madurai Kamaraj University*

S. Palpperumal | *Madurai Kamaraj University*

D.Kathiresan | *Madurai Kamaraj University*

T. Shankar | *Madurai Kamaraj University*

D. Prabhu | *Madurai Kamaraj University*

GLSBE-42

Optimization and Characterization of Exopolysaccharide Produced by *Lactobacillus Plantarum* Isolated from Curd

S. Sankaralingam | *Saraswathi Narayanan College , Madurai Kamaraj University*

S.Palpperumal | *Saraswathi Narayanan College , Madurai Kamaraj University*

B. Harinathan | *Saraswathi Narayanan College , Madurai Kamaraj University*

D. Kathiresan | *Saraswathi Narayanan College , Madurai Kamaraj University*

T. Shankar | *Ayya Nadar Janaki Amamal College , Madurai Kamaraj University*

GLSBE-124

Detection Of Biological Activities Of *Exiguobacterium Indicum* Pn04 Isolated From Hot Spring

Nguyen Hoang Khue Tu | *Hochiminh city International University*

Nguyen Huynh Tam | *Hochiminh city International University*

Nguyen Ngoc Huu | *Hochiminh city International University*

Politics & Law

Thursday, March 31, 2016

09:00-10:30

Room C

Session Chair: *Prof. Sri Issundari*

ICBASS-7794

Balancing Competing Interests in Apparent Authority

Ji Lian Yap | *University of Hong Kong*

ICBASS-7824

The Role of Citizen in Indonesian Public Diplomacy through IACS (Indonesian Arts and Cultural Scholarship) Program

Sri Issundari | *Universitas Pembangunan Nasional*

Iva Rachmawati | *Universitas Pembangunan Nasional*

ICBASS-7888

The Participation of School Stakeholders in the Implementation of School-Based Management Policy

Kurniasih Mufidayati | *Muhammadiyah Jakarta University*

ICBASS-7938

China's Developmental State Model: Will Africa Imitate China's Developmental State Model?

Annisa Ridhatul Khatimah | *Brawijaya University*

ICBASS-8060

A Framework for a Geopolitical Comparison between Europe and the Middle East: The EU Model for the Middle East?

Ismail Cem Karadut | *Dumlupinar University*

Psychology (3)

Thursday, March 31, 2016

09:00-10:30

AV Room

Session Chair: *Prof. Pei-Jung Yang*

ISEPST-711

Parental Knowledge and Parental Control during Adolescence: Their Effects on Taiwanese Parent-Child Relationship Satisfaction

Pei-Jung Yang | *National Chengchi University*

ISEPST-714

Effect of a Prosocial Behavior and Metacognitive Intervention Program on Student's Quality of Life: A Pilot Study of Cross-Cultural Comparison

Ayumi Umino | *University of Copenhagen*

ISEPST-746

Development of a Personality Inventory for Educational Choice and Occupation Preference

Chukiat Chacchaichon | *Saint Louis College*

ISEPST-747

Thai Grade 4-6 Students' Desirable Characteristics

Rungrudee Klaharn | *Srinakharinwirot University*

ISEPST-780

Posters as Child Sexual Abuse Prevention Media on Elementary School Students

Triadi Imron Rosyadi | *Universitas Gadjah Mada*

Ira Paramastri | *Universitas Gadjah Mada*

ICBASS-8078

Parallel Lines Recognition on Lateral Force Touchscreen

Hsiang-Ping Wu | *Tatung University*

Chih-Fu Wu | *Tatung University*

Yung-Hsiang Tu | *Tatung University*

Chiao-Chuan Kuo | *Tatung University*

Yu-Jou Chiang | *Tatung University*

Education (3)

Thursday, March 31, 2016

09:00-10:30

Science Hall

Session Chair: *Prof. Ching-Wen Chang*

ISEPST-744

Classroom Practices to First Graders by Using Scratch

Kazunori Yamamori | *Mie University*

Kento Yoshihara | *Mie University*

ISEPST-754

Analysis of Different Procedural Justice Components' Impacts on Organizational Commitments and Job Satisfactions among Teachers in Hong Kong

NG Wai Kit Paul | *City University of Hong Kong*

ISEPST-762

What Happens When “Traditional” Aspiring American Educators Encounter a Diverse Student Body?

Suzanne Beasterfield | *Idaho State University*

ISEPST-765

Teacher and Student Teachers' Views on Science Teaching in Kindergarten

Ching-Wen Chang | *Minghsin University of Science and Technology*

ISEPST-790

Chinese Kindergarten Teachers' Self-Efficacy in Including Children with Autism Spectrum Disorder: A Mixed Method Study

Lu Liu | *The Hong Kong Institute of Education*

Chun Mei Mo | *Chengdu University*

Ming Xia Ji | *The Hong Kong Institute of Education*

Sing Kai Lo | *The Hong Kong Institute of Education*

ISEPST-811

Community-Based Learning: An Option for Modern Teaching (a Case Study of a Sociolinguistic Course of Ubon University at Ban Lau Suekok, Ubon, Thailand).

Metee Kansa | *Ubon Ratchathani University*

Surasak Witoon | *Ubon Ratchathani University*

Electrical Engineering and Technology (2)

Thursday, March 31, 2016

10:40-12:10

Room A

Session Chair: *Prof. Der-Cherng Liaw*

ACEAIT-7360

Global Stabilizability for State-Dependent Riccati Equation Controlled Second-Order Systems

Fang-I Peng | *National Chiao Tung University*

Chih-Chiang Chen | *National Chiao Tung University*

Ming-Hsiang Hsu | *National Chiao Tung University*

Zheng-Ru Tsai | *National Chiao Tung University*

Yew-Wen Liang | *National Chiao Tung University*

ACEAIT-7382

Multi Time Ignition Concept of Four Stoke Gasoline Engine

Paramin Timtam | *King Mongkut's Institute of Technology Ladkrabang*

Jirawath Parnklang | *King Mongkut's Institute of Technology Ladkrabang*

ACEAIT-7394

Linear Control of Vehicle's Lateral Dynamics

Der-Cherng Liaw | *National Chiao Tung University*

Wen-Ching Chung | *National Chiao Tung University*

Chieh Tsao | *National Chiao Tung University*

ACEAIT-7412

An Automatic Detection Algorithm of River Surface Velocity Estimation

Sheng-Fuu Lin | *National Chiao Tung University*

Yi-Chieh Sun | *National Chiao Tung University*

ACEAIT-7306

Production of Electricity by the Micro Solar Chimney

Sakrawee Raweekul | *Rajamangala University of Technology Isan (Khon Kaen Campus)*

Biomedical Engineering

Thursday, March 31, 2016

10:40-12:10

Room B

Session Chair: *Prof. Jung Whan Park*

ACEAIT-7303

Monitoring High-Power Radiofrequency Ablation by Shear Wave Elastography: A Feasibility Study in Vitro

Chiao-Yin Wang | *Chang Gung University*

Po-Hsiang Tsui | *Chang Gung University*

ACEAIT-7355

Development of a Flexible Multi-Head 3D Bio-Plotting System for Biocompatible Scaffold Fabrication

Jung Whan Park | *Yeungnam University*

Jun-Hee Lee | *Korea Institute of Machinery & Materials(KIMM)*

ACEAIT-7410

Pathological Feature-Based ECG Biometric Recognition

Jian-hua Yeh | *Aletheia University*

ACEAIT-7446

An Adaptive Weighted Fuzzy C-Means Algorithm for Brain MRI Segmentation

Lan-Rong Dung | *National Chiao Tung University*

Yu-Bin Peng | *National Chiao Tung University*

Yin-Yi Wu | *National Chung-Shan Institute of Science and Technology*

Chemical Engineering

Thursday, March 31, 2016

10:40-12:10

Room C

Session Chair: *Prof. Cheng-Tung Chou*

ACEAIT-7302

Experimental Study of CO₂ Capture from Simulated Flue Gas and Syngas by Pressure Swing Adsorption

Cheng-Tung Chou | *National Central University*

Nien-Tsu Lee | *National Central University*

Hong-Sung Yang | *Hwa-Hsia University of Technology*

Ming-Wei Yang | *Taiwan Power Company*

Ssu-Hung Tu | *Taiwan Power Company*

ACEAIT-7315

The Effect of Initial pH on the Homogeneous Cu-Catalyzed Hydrolysis of Non-Edible Oil

Lu Ki Ong | *National Taiwan University of Science and Technology*

Yi-Hsu Ju | *National Taiwan University of Science and Technology*

ACEAIT-7379

Molecular Docking and Molecular Dynamics Simulation of 5-Lipoxygenase Complex with Its Substrate and Its Inhibitor

Kulpavee Jitapunkul | *Sirindhorn International Institute of Technology, Thammasat University*

Pisanu Toochinda | *Sirindhorn International Institute of Technology, Thammasat University*

Luckhana Lawtrakul | *Sirindhorn International Institute of Technology, Thammasat University*

ACEAIT-7594

Development of Cu/SiO₂ Microspheres as Antimicrobial Additives in Paints

Kanita Boonruang | *Sirindhorn International Institute of Technology, Thammasart University*

Wanwipa Siriwatwechakul | *Sirindhorn International Institute of Technology,*

Thammasart University

Marketing & Management (2)

Thursday, March 31, 2016

10:40-12:10

AV Room

Session Chair: *Prof. Nanta Sooraksa*

ICBASS-7807

Consequences of Leadership Styles on Worker Performance: Case of Work-in-Shift in a Korean Manufacturing Company in Thailand

Sriwong Noh | *National Institute of Development Administration*

Nanta Sooraksa | *National Institute of Development Administration*

ICBASS-7763

Satisfaction of Customers on Influence “Mark Logo” (Company’s Logo Analysis)

Stephanie Octavia | *Trisakti University*

Faizatul Widya | *University of Airlangga*

ICBASS-7766

The Cohesion and Hierarchy of TFT-LCD Technology Diffusion: Perspective from Social Network Analysis

Hsin-Yu Shih | *National Chi Nan University*

Pei-Wen Liao | *National Chi Nan University*

ICBASS-7783

A Fuzzy Group Decision-Making Approach for Robot Selection

Shiang-Tai Liu | *Vanung University*

ICBASS-7808

Does Organizational Justice Matter? Revisiting the Relationships among Performance Feedback, Organizational Justice, and Organizational Commitment

Shih-Yu Cheng | *National Cheng Kung University*

Education & Culture (3)

Thursday, March 31, 2016

10:40-12:10

Science Hall

Session Chair: *Prof. To-Ming Ho*

ICBASS-7802

The Effect of Concept Mapping on Students' Deep Learning

To-Ming Ho | *City University of Hong Kong*

ICBASS-7795

Thor II, The Creation of MOOC Machine to Provide Quality E-Learning Media. (Desktop Studio)

Wuttipong Pongsuwan | *Shinnawatra University*

ICBASS-7869

The Pattern of Health Management with Self-Reliance Based on Mpi People Local Wisdom, Phrae Province, Thailand

Siriporn Phuntulee | *Maejo University-Phrae Campus*

Wattana Wanitchanont | *Maejo University-Phrae Campus*

Nirote Sinnarong | *Maejo University-Phrae Campus*

Chanthana Susawaengsup | *Maejo University-Phrae Campus*

ICBASS-7972

Literature Aestheticism and Cognition: Interpretative Vortex in Mansfield Park

Jie Lu | *Sichuan University*

ICBASS-8116

The Factors behind the Success of the “Mogu” Brand: A Discussion from a Design Perspective

Iyun-Pen Lin | *Southern Taiwan University of Science and Technology*

Chen-I Huang | *Southern Taiwan University of Science and Technology*

Life Sciences (2)

Thursday, March 31, 2016

13:10-14:40

Room A

Session Chair: *Prof. Thongekkaew*

GLSBE-44

Related Expressions of Nile Tilapia (*Oreochromis Niloticus*) Immunity Induced by an Attenuated *Streptococcus Agalactiae* Vaccine Candidate

Natthaporn Kuendee | *Khon Kaen University*

Wandee Bunyatratchata | *Khon Kaen University*

Bundit Tengjaroenkul | *Khon Kaen University*

Jureerut Daduang | *Khon Kaen University*

Sompong Klaynongsruang | *Khon Kaen University*

Kittipoj Ngamcharoen | *Charoen Pokphand Foods Public Company Limited*

Sakda Daduang | *Khon Kaen University*

GLSBE-61

Influence on the Growth of Tree Legume *Erythrina Variegata* L. Using Stress Tolerant *Rhizobium* sp.

D. Kathiresan | *Madurai Kamaraj University*

S. Palpperumal | *Madurai Kamaraj University*

S. Sankaralingam | *Madurai Kamaraj University*

B. Harinathan | *Madurai Kamaraj University*

K. Muthuchelian | *Madurai Kamaraj University*

GLSBE-93

Transcriptome Analysis of Previtellogenic Ovary in Female Japanese Eel *Anguilla Japonica*

Shang-Chien Lee | *National Taiwan University*

Show-Wan Lou | *National Taiwan University*

GLSBE-89

Screening and Identification of Cellulase Producing Yeast from RongKho Forest, Ubon Ratchathani University

Jantaporn Thongekkaew | *Ubon Ratchathani University*

Jarupan Kongsanthia | *Ubon Ratchathani University*

Information Engineering and Technology (3)

Thursday, March 31, 2016

13:10-14:40

Room B

Session Chair: *Prof. Yeon Ho Chung*

ACEAIT-7301

Using Kinect and Human Skeleton Pattern to Build an Automatic Security System

Chih-Yu Jian | *Takming University of Science and Technology*

Yi-Ting Hong | *Takming University of Science and Technology*

Wan-Jiun Liao | *Takming University of Science and Technology*

Chi-Hua Lee | *Takming University of Science and Technology*

ACEAIT-7325

Emission Spectra Analysis of Copper Plasma Induced by Laser

Hao-Xiao Jian | *North University of China*

Sang Tao | *North University of China*

Han-Chang Zhou | *North University of China*

ACEAIT-7521

Using Storyboard to Improve Video Retarget Quality by Pattern Matching Method

Wen-Pinn Fang | *Yuan Ze University*

Jiu-Sheng Kuo | *Yuan Ze University*

ACEAIT-7519

Posture Imitation and Balance Learning for Humanoid Robots

Kao-Shing Hwang | *National Sun Yat-Sen University*

Wei-Cheng Jaing | *National Sun Yat-Sen University*

Jin-Ling Lin | *Shih Hsin University, Taipei*

ACEAIT-5247

A Face Recognition System Based on Mobile Device Using Multi-Scale and Local Gradient Feature

Shi-Jinn Horng | *National Taiwan University of Science and Technology*

Min-Shiue Hsieh | *National Taiwan University of Science and Technology*

ACEAIT-7556

Zone-Based LED Signal Detection for Smartphone Visible Light Communications

Jae Hyuc Jang | *Pukyong National University*

Ho Hyeong Jo | *Pukyong National University*

Hyeon Ho Kim | *Pukyong National University*

Yong Hyeon Kim | *Pukyong National University*

Yeon Ho Chung | *Pukyong National University*

Chemical Sciences

Thursday, March 31, 2016

13:10-14:40

Room C

Session Chair: *Prof. Hyoung Jin Choi*

ISFAS-1487

Fabrication and Suspension Characteristics of Silica Coated Soft-Magnetic Composite Particles

Hyoung Jin Choi | *Inha University*

ISFAS-1511

Implementation of Flipped Classroom Methods to Build up a Student's Chemistry Background

Li Ling Apple Koh | *Singapore University of Technology and Design*

Patricia D. Christie | *Massachusetts Institute of Technology*

Mei Chee Tan | *Singapore University of Technology and Design*

Gim-Yang Pee | *Singapore University of Technology and Design*

Aikaterini Bagiati | *Massachusetts Institute of Technology*

John G. Brisson | *Massachusetts Institute of Technology*

ISFAS-1548

Graphene/Calixarene-Glucamine Modified Magnetic Nanoparticles Adsorbent for Chlorinated Pesticides Removal from Aqueous Media

Wan Aini Wan Ibrahim | *Universiti Teknologi Malaysia*

Hamid Rashidi Nodeh | *Universiti Teknologi Malaysia*

Muhammad Afzal Kamboh | *Universiti Teknologi Malaysia*

Mohd Marsin Sanagi | *Universiti Teknologi Malaysia*

ISFAS-1590

Characterization of CoMo Catalysts Supported on Mesoporous Carbon from Cow's Bone Gelatin for Hydrocracking of Waste Lubricating Oils

Marthinus Pongsendana | *Universitas Gadjah Mada*

Farin Windy Artanti | *Universitas Gadjah Mada*

Wega Trisunaryanti | *Universitas Gadjah Mada*

Iip Izul Falah | *Universitas Gadjah Mada*

Marketing & Management (3)

Thursday, March 31, 2016

13:10-14:40

AV Room

Session Chair: *Prof. Diane Masuo*

ICBASS-7880

A Study of Website Aesthetics Design Relates to Brand Image and Consumer Purchasing Intentions

Pei-Ying Yen | *National Chung Hsing University*

Chien-Ta Ho | *National Chung Hsing University*

ICBASS-7907

Using Social Media to Innovate in Business Operation

Ying-Jiun Hsieh | *National Chung Hsing University*

Che-Hung Liu | *National Chung Hsing University*

ICBASS-7937

The Effect of Organizational Climate and Job Characteristics on Organizational Commitment through Job Satisfaction of Thai and Laos Hotel Staffs

Pattama Suriyakulnaayudhya | *Kasetsart University*

Vinich Veerayangkur | *Kasetsart University*

Somkit Tugsinavisuitti | *Kasetsart University*

Vichitra Poonpermsub | *Kasetsart University*

Yupadee Siriwan | *Kasetsart University*

Kanyarat Datchanthuk | *Kasetsart University*

ICBASS-7970

Corporate Social Responsibility: A Comparison of U.S. and Hawaii Family Businesses

Diane Masuo | *University of Hawaii at Mānoa*

James Tamayose | *University of Hawaii at Mānoa*

ICBASS-8070

Fusion of Soft-Computing with Factor Analysis for Assessment Scales in Social Sciences

Pitikhate Sooraksa | *King Mongkut's Institute of Technology Ladkrabang*

Nanta Sooraksa | *National Institute of Development Administration*

Geology, Earth and Environmental Sciences (1) &

Environmental Engineering (2)

Thursday, March 31, 2016

14:50-16:20

Room A

Session Chair: *Prof. Dwi Astiani*

ACEIAT-7615

Periodic Change of Sea Level and Its Impact on Trace Metal Mobilization in Coastal Aquifers of Saijo City, Japan

Pankaj Kumar | *United Nations University*

Kazuhiko Takeuchi | *United Nations University*

Srikantha Herath | *United Nations University*

ISFAS-1518

Carbon Stocks in Recent Land Cover Conditions of Tropical Lowland, Swamp, and Peatland Forests in West Kalimantan

Dwi Astiani | *Tanjungpura University*

Mujiman | *Lembaga Landscape Livelihood Indonesia (LLI)*

Andjar Rafiastanto | *Fauna and Flora International-Indonesia Programme*

ISFAS-1523

Economic Value of Tembawang Ecosystem in Sanggau Subdistrict West Kalimantan Province, Indonesia

Emi Roslinda | *Tanjungpura University*

Siti Masitoh Kartikawati | *Tanjungpura University*

Rabudin | *Tanjungpura University*

ISFAS-1533

**Trail-Following and Odor Effects of Plant Leaf Extracts on Subterranean Termite
*Coptotermes Formosanus Shiraki***

Yuliati Indrayani | *Tanjungpura University*

Musrizal Muin | *Hasanuddin University*

Cynthia Adilla | *Tanjungpura University*

Tsuyoshi Yoshimura | *Kyoto University*

ISFAS-1537

**Role of Rhizosphere Microbes in Increasing Plant Growth of *Jatropha Curcas* in
Mercury Contaminated Soil**

Wiwik Ekyastuti | *Tanjungpura University*

Hanna Artuti Ekamawanti | *Tanjungpura University*

Computer Engineering and Technology (4)

Thursday, March 31, 2016

14:50-16:20

Room B

Session Chair: *Prof. Pei-Yu Lin*

ACEAIT-7336

Design of a Brainwave Controlled Quadcopter

Hui-Wen Yang | *National University of Tainan*

Pei-Wen Cheng | *National University of Tainan*

Tien Tsai | *National University of Tainan*

Koun-Tem Sun | *National University of Tainan*

ACEAIT-7431

Automatic Navigation of Robot by Brainwaves

Pei-Wen Cheng | *National University of Tainan*

Hui-Wen Yang | *National University of Tainan*

Koun-Tem Sun | *National University of Tainan*

ACEAIT-7347

High Quality Dual Imaging Technique

Chi-Shiang Chan | *Asia University*

Wen-Chuan Wu | *Aletheia University*

Jen-Ho Yang | *Kainan University*

Pei-Yu Lin | *Yuan Ze University*

ACEAIT-7317

Comments on an Authentication Model of IoT Control System

Ya-Fen Chang | *National Taichung University of Science and Technology*

Ya-Ling Lo | *National Taichung University of Science and Technology*

Wei-Liang Tai | *Chinese Culture University*

ACEAIT-7318

Comments on Kuo et al.'s Anonymous Mobility Network Authentication Scheme

Ya-Fen Chang | *National Taichung University of Science and Technology*

Min-How Hsu | *National Taichung University of Science and Technology*

Wei-Liang Tai | *Chinese Culture University*

ACEAIT-7368

Using Kalman Filter for Improved Ego-Motion Estimation

Yu-Hsiang Chang | *National University of Kaohsiung*

Ting-Hsiang Huang | *National University of Kaohsiung*

Chen-Chi Chuang | *National University of Kaohsiung*

Chia-Yen Chen | *National University of Kaohsiung*

Chia-Chen Kuo | *National Center for High-performance Computing*

Food, Agriculture and Veterinary Sciences

Thursday, March 31, 2016

14:50-16:20

Room C

Session Chair: *Ms. Reisky Megawati Tammu*

ISFAS-1575

Monte Carlo Simulation of the Spread of Mealybugs in a Cassava Field

Chontita Rattanakul | *Mahidol University*

ISFAS-1597

Phenotypic and Genotypic Characters of the 'Katokkon' Pepper (*Capsicum Annuum* L.) from Toraja-Indonesia, Polyploidy by Colchicine Treatment

Reisky Megawati Tammu | *Gadjah Mada University*

Budi Setiadi Daryono | *Gadjah Mada University*

Tri Rini Nuringtyas | *Gadjah Mada University*

ISFAS-1598

The Development of Yanang (*Tiliacora Triandra*) Leather Product

Wisutthana Samutsri | *Phranakorn Rajabhat University*

Tippawan Po-Eang | *Phranakorn Rajabhat University*

ISFAS-1605

The Phenotype and Molecular Characters of Polyploid Soybean (*Glycine max* (L.) Merr.) Induced by Colchicine

Irma Nofitahesti | *Gadjah Mada University*

Budi Setiadi Daryono | *Gadjah Mada University*

ISFAS-1580

Feasibility Study of Lipase Immobilized on Chicken Eggshell for Synthesis of Sugar Ester

Nur Suhaila Mohamed Salleh | *Universiti Sains Malaysia*

Noor Aziah Serri | *Universiti Sains Malaysia*

Sufia Hena Ali | *Universiti Sains Malaysia*

Husnul Azan Tajarudin | *Universiti Sains Malaysia*

Azlina Harun@Kamaruddin | *Universiti Sains Malaysia*

Marketing & Management (4)

Thursday, March 31, 2016

14:50-16:20

AV Room

Session Chair: *Prof. Malgorzata Rozkwitalska*

ICBASS-7981

Applying the NGD Algorithm to Election Prediction

Yi-Ning Tu | *Fu Jen Catholic University*

Bo-Fong Lai | *Fu Jen Catholic University*

Che-Hao Hsueh | *Fu Jen Catholic University*

Yang-Chuan Hsu | *Fu Jen Catholic University*

Yen-Shuo Yeh | *Fu Jen Catholic University*

Teng-Hong You | *Fu Jen Catholic University*

Yu-Cheng Chiang | *Fu Jen Catholic University*

ICBASS-7906

Service Innovation: Tools and Analysis

Ying-Jiun Hsieh | *National Chung Hsing University*

Ping-Yun Tsai | *National Chung Hsing University*

ICBASS-7913

The Behavioral Intention to Watch 3D Films: An Analysis Based on the Technology Acceptance Model (TAM)

Ying-Jiun Hsieh | *National Chung Hsing University*

Shu-Ann King | *National Chung Hsing University*

ICBASS-7990

Country-of-Origin Effect and Evaluation of Competence of a Foreign Individual – A Narrative Review

Malgorzata Rozkwitalska | *Gdansk School of Banking*

ICBASS-7821

Individual, Group and Organizational Efficacies in Predicting Multiple Facets of Performance: Quality, Innovation and Efficiency

Erez Yaakobi | *Ono Academic College*

Jacob Weisberg | *Bar Ilan University*

Geology, Earth and Environmental Sciences (2)

Thursday, March 31, 2016

16:30-18:00

Room A

Session Chair: *Prof. S. Kong Wang*

ISFAS-1563

Management of Greater-than-C-Class Waste Generated During Nuclear Power Plant Decommission of TaiPower Company

S. Kong Wang | *I-Shou University*

ISFAS-1582

The Estimations of Global and Diffused Solar Radiation Using Meteorological Data and Atmospheric Modeling in Bangkok, Thailand

Keerati Vongpadai | *Srinakharinwirot University*

Siriluk Ruangrungrote | *Srinakharinwirot University*

ISFAS-1583

Determination of Direct Solar Radiation Using Atmospheric Physics Models in Thailand

Pattra Pukdeekiat | *Srinakharinwirot University*

Siriluk Ruangrungrote | *Srinakharinwirot University*

Civil Engineering (2)

Thursday, March 31, 2016

16:30-18:00

Room B

Session Chair: *Prof. Chen-Wei Chiu*

ACEAIT-7497

Analysis of Mooring Effects on Floating Structures

Po-I Chen | *National Cheng Kung University*

Jaw-Fang Lee | *National Cheng Kung University*

ACEAIT-7513

Analysis of Modified Double-Tee Slabs by Strut-Tie Model

Ho-Seong Ju | *Dongguk University*

Sung-Yong Yu | *Dongguk University*

ACEAIT-7522

Analysis of Fire Extinguishing Performance of Backpack Water Mist System

Chen-Wei Chiu | *National Taiwan Police College*

Yi-Liang Shu | *Central Taiwan University of Health Sciences and Technology*

ACEAIT-7564

An Experimental Study on the Lap Details Using Headed Bars and Hooked Bars for Flexural Members with Different Depths

Kyu-Seon Lee | *Hanbat National University*

Se-Hun Jin | *Hanbat National University*

Seung-Hun Kim | *Hanbat National University*

ACEAIT-7549

Analysis of the Vehicles CO₂ Emission by Using the Freight Vehicle Probe Data in the Tokyo Metropolitan Area

Hsin-Yi Wei | *Tokyo Institute of Technology*

Daisuke Fukuda | *Tokyo Institute of Technology*

ACEAIT-7274

Seismic Performance Evaluation of Hybrid Coupled Walls

Chung-Chan Hung | *National Cheng Kung University*

Wei-Ting Lu | *National Cheng Kung University*

ACEAIT-8092

Improving Accuracy of Preliminary Cost Estimation Using Support Vector Regression

Jieh-Haur Chen | *National Central University*

Indradi Wijatmiko | *University of Brawijaya*

Ragil Purnamasari | *National Central University*

Nanotechnology & Physics Sciences

Thursday, March 31, 2016

16:30-18:00

Room C

Session Chair: *Prof. Zuhaimy Ismail*

ISFAS-1472

The Study on Polymers Nanocomposite by Acyl Chloride Functionalized Carbon Nanotubes Using Molecular Dynamics Simulation

Jen-Ching Huang | *Tungnan University*

Feng-Chin Tsai | *Tungnan University*

Hsin-Pei Chen | *Tungnan University*

ISFAS-1494

Experimental Investigation into Effect of Blade Number on Aerodynamic Performance of H-Darrieus Turbines

David Wafula Wekesa | *Harbin Institute of Technology*

Cong Wang | *Harbin Institute of Technology*

Yingjie Wei | *Harbin Institute of Technology*

Joseph Kamau | *Jomo Kenyatta University of Agriculture and Technology*

Robert Kinyua | *Jomo Kenyatta University of Agriculture and Technology*

ISFAS-1565

Ultrasonic Concentration of Nano Particles on a Nonvibrating Substrate Using Acoustic Streaming

Qiang Tang | *Nanjing University of Aeronautics and Astronautics*

Junhui Hu | *Nanjing University of Aeronautics and Astronautics*

Xiaofei Wang | *Nanjing University of Aeronautics and Astronautics*

ISFAS-1574

Scheduling of Food Menu for Malaysian Secondary Schools

Zuhaimy Ismail | *Universiti Teknologi Malaysia*

Suliadi Sufahani | *Universiti Teknologi Malaysia*

ISFAS-1617

Quantum Fluctuations of the Spacetime Geometry in the Spectral Scheme

Masafumi Seriu | *University of Fukui*

Marketing & Management (5)

Thursday, March 31, 2016

16:30-18:00

AV Room

Session Chair: *Prof. Xubing Zhang*

ICBASS-8067

Exploring the Experiential Value and Benefits of Wellness Tourism from the Means-End Chain Analysis

Chieh-An Yang | *National Kaohsiung University of Hospitality and Tourism*

Ching-Hua Ho | *National Kaohsiung University of Hospitality and Tourism*

Jo-Hui Lin | *National Kaohsiung University of Hospitality and Tourism*

ICBASS-8098

The Road How Can I Be a Super Sales. The Magic Gene of Sales Was Nature Born or Trained by Experiences.

Sui-Wei Man | *Providence University*

Shu-Hsiao Tsen | *Providence University*

ICBASS-8127

Advance Selling in a Supply Chain

Xubing Zhang | *Hong Kong Polytechnic University*

Dalu Fang | *Hong Kong Polytechnic University*

Namwoon Kim | *Hong Kong Polytechnic University*

ICBASS-7713

Transformational Leadership and Corporate Entrepreneurship: Cross-Level Mediated Moderation

Yi-Ying Chang | *National Taiwan University of Science and Technology*

ICBASS-8099

The Research of How Taiwan Catering Industry Gains the Recognition in China: In the Views Point of Opportunities Identification and Business Strategy

Hsin Lan Wu | *Providence University*

Shu-Hsiao Tsen | *Providence University*

Poster Sessions (1)

Mechanical Engineering and Technology (1) / Engineering

Sciences (1) / Green Technology / Food, Agriculture and

Veterinary Sciences / Chemical Sciences (1)

Wednesday, March 30, 2016

09:40-10:40

Foyer Area

ACEAIT-7290

Study of Aero-Thermal Effects of Two Heat Conditions on Optical Side Window

Chun-Chi Li | *Chung Cheng Institute of Technology, National Defense University*

ACEAIT-7309

Chaos Suppression of Continuous Generalized Lorenz Systems Using Hybrid Sliding Mode Control

Teh-Lu Liao | *National Cheng Kung University*

Jun-Juh Yan | *Shu-Te University*

ACEAIT-7326

Numerical Analyses of Film Cooling and Conjugate Heat Transfer for a Three-Dimensional Thrust-Vectoring Nozzle

Tsung Leo Jiang | *National Cheng Kung University*

Chung-Yu Tien | *National Cheng Kung University*

ACEAIT-7343

Characteristics and Enhancement of Heat Transfer from Arrays of Block Heat Sources Mounted on the Wall of a 3-D Cabinet to Ambient Natural Convective Air Stream

Jen-Chieh Cheng | *National Formosa University*

Yeong-Ley Tsay | *National Formosa University*

Chih-Ho Yang | *National Formosa University*

ACEAIT-7362**Lightweight Design and Simulation Analysis for a HDPE Milk Bottle**

Hsing-Hui Huang | *National Pingtung University of Science and Technology*

Li-Wen Chen | *National Pingtung University of Science and Technology*

Wei-Hua Lu | *National Pingtung University of Science and Technology*

Yao-Nan Wang | *National Pingtung University of Science and Technology*

Wei-Cheng Lin | *National Pingtung University of Science and Technology*

Yung-Chuan Chen | *National Pingtung University of Science and Technology*

ACEAIT-7369**Design of Mechanism of a Wide Angle Variable Curvature Liquid-Filled Lens System**

Dein Shaw | *National Tsing Hua University*

Jianhui Yu | *National Tsing Hua University*

ISFAS-1459**Interfacial Reactions of the Cu/Sn/Ni Sandwich Couples**

Yee-Wen Yen | *National Taiwan University of Science and Technology*

Tzu-Ting Huang | *National Taiwan University of Science and Technology*

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

Shin-Jung Chai | *National Taiwan University of Science and Technology*

ISFAS-1464**Theoretics Study of the Effect of Suction and Blowing on Turbulence**

Zhao Jun | *Institute of Physical and Chemical Engineering of Nuclear Industry*

ISFAS-1489**Experimental Robot for Automated Velocity Measurements in Natural Rivers**

Michio Sanjou | *Kyoto University*

Taiko-Paul Kaneko | *Kyoto University*

Takaaki Okamoto | *Kyoto University*

Tsuyoshi Nagasaka | *Kyoto University*

Shunsuke Isobe | *Kyoto University*

ISFAS-1490**Maternity Support Garment: Part I – A Local Market Survey**

C.W. Kan | *The Hong Kong Polytechnic University*

M.Y. Li | *The Hong Kong Polytechnic University*

A.S.W. Wong | *The Hong Kong Polytechnic University*

Y.L. Kwok | *The Hong Kong Polytechnic University*

J. Yip | *The Hong Kong Polytechnic University*

S.P. Ng | *The Hong Kong Polytechnic University*

T.H.T. Lao | *The Chinese University of Hong Kong*

ISFAS-1492**Maternity Support Garment: Part II – Product Design**

C.W. Kan | *The Hong Kong Polytechnic University*

M.Y. Li | *The Hong Kong Polytechnic University*

A.S.W. Wong | *The Hong Kong Polytechnic University*

Y.L. Kwok | *The Hong Kong Polytechnic University*

J. Yip | *The Hong Kong Polytechnic University*

S.P. Ng | *The Hong Kong Polytechnic University*

T.H.T. Lao | *The Chinese University of Hong Kong*

ISFAS-1515**Setup Time Reduction for Coil Winding Machine in Transformer Production**

Wimalin Laosiritaworn | *Chiang Mai University*

Chanika Suwanmanee | *Chiang Mai University*

ISFAS-1601**Study on Mechanical Properties and Conductivity of Smart-Graphite Cementitious Materials**

An Cheng | *National Ilan University*

Wei-Ting Lin | *National Ilan University*

Jian-Hsun Chen | *National Ilan University*

ISFAS-1615**Developing Panorama Video System Using Networked Multiple Cameras**

Kyungkoo Jun | *Incheon National University*

Kyungyoon Choi | *Incheon National University*

ISFAS-1634

The Queuing Analysis for Driver's License Service System in Pathum Thani Provincial Land Transport Office

Jutarat Pholuang | *Valaya Alongkorn Rajabhat University under Royal Patronage*

ISFAS-1635

The Development of Computer Assisted Instruction in Proving Conditional Statements of Bachelor Students

Thitima Kesahorm | *Valaya Alongkorn Rajabhat University under Royal Patronage*

ISFAS-1631

Video Smoke Detection by Motion Estimation and Smoke Translucence

P. S. Chang | *National Cheng Kung University*

Terry Yuan-Fang Chen | *National Cheng Kung University*

ISFAS-1513

The Thermal Effect on Ferromagnetic Dynamics

Kanokwan Kanchiang | *Chiang Mai University*

Chumpol Supatutkul | *Chiang Mai University*

Yongyut Laosiritaworn | *Chiang Mai University*

ISFAS-1465

Recovery Aluminate Ion from Water Purification Sludge

Wen-Po Cheng | *National United University*

Ping-Hung Chen | *National Taipei University*

Ruey-Fang Yu | *National United University*

Dun-Ren Tian | *National United University*

ISFAS-1555

Co-Sensitization Promoted Light Harvesting for Plastic Dye-Sensitized Solar Cells

Kun-Mu Lee | *National Central University*

Hsin-Chun Lu | *Chang Gung University*

ISFAS-1578

Preparation and Properties of Ni and Ba Substituted $Sr_2Nb_2O_7$ Thermoelectric Ceramics by a Reaction-Sintering Process

Yi-Cheng Liou | *Kun Shan University*

Wen-Chou Tsai | *Kun Shan University*

Yung-Chia Chang | *Kun Shan University*

Chih-Fu Kuo | *Kun Shan University*

Hsiao-Chun Tsai | *Kun Shan University*

Hao-Hsuan Yen | *Kun Shan University*

Kuei-Bo Chen | *Kun Shan University*

ISFAS-1624

Properties of Antibiosis and Strength of Environment-Friendly Mortar Using Phytoncide and Palm Active Carbon

Sangsoo Lee | *Hanbat National Univerisity*

Seungho Lee | *Hanbat National Univerisity*

Insoo Kyung | *Hanbat National Univerisity*

ISFAS-1495

Physicochemical Properties of Different Rice Flours and Their Potential Application on Some Properties of Imitation Rice Cheese

Phisut Naknaen | *Srinakharinwirot University*

Teerarat Itthisoponkul | *Srinakharinwirot University*

Phantipha Charoenthaikij | *Srinakharinwirot University*

ISFAS-1497

Utilization of Impact Modified Poly (Lactic Acid) as a Frozen Whiteleg Shrimp (*Litopenaeus Vannamei*) Package: A Comparative Study with High Impact Polystyrene

Nawadon Petchwattana | *Srinakharinwirot University*

Wasinee Channuan | *Srinakharinwirot University*

Sujinda Jitjaicham | *Srinakharinwirot University*

Patcharakamon Noo-eaied | *Srinakharinwirot University.*

Chalao Thepchalerm | *Srinakharinwirot University*

Wilaiporn Kraisuwan | *Srinakharinwirot University*

Phisut Naknaen | *Srinakharinwirot University*

ISFAS-1522

Chemical and Microbiological Properties in Indian Gooseberry (*Phyllanthus Emblica* Linn.) Fermented Juice Producing by Household Process in Thailand

Suthasinee Nilsang | *Valaya Alongkorn Rajabhat University*

ISFAS-1530

Antioxidant and Antibacterial Activity of Ethanolic Extracts for Different Parts of Lotus (*Nelumbo nucifera* Gaertn, Nymphaeaceae)

Chia-Chi Wu | *Chinese Culture University*

Hsin-Jung Wang | *Chinese Culture University*

Yen-Ju Yang | *Chinese Culture University*

Chun-Ping Lu | *Fu Jen Catholic University*

Yi-Ping Yu | *Chinese Culture University*

ISFAS-1558

Application of Electrospinning to Prepare a Hydrophobic Coating on Thermal Melt Edible Film

Shu-Ya Yang | *National Ilan University*

Hui-Huang Chen | *National Ilan University*

ISFAS-1568

Impact of Purple Rice Flour on Physicochemical and Textural Properties of Yogurt

Ulisa Pachekreapol | *Srinakharinwirot University*

Phattraphorn Phoosri | *Srinakharinwirot University*

Sunsanee Rerkchaimongkol | *Srinakharinwirot University*

ISFAS-1576

Effect of Hydrocolloids on Properties of Gluten Free Bread from Small Broken Rice Berry

Numfon Rakkhumkaew | *Srinakharinwirot University*

ISFAS-1633

Occupational Safety Behaviors of Farmers: A case Study on Rice Farms in Pratumtani Province, Thailand

Watcharaporn Wongsakoonkan | *Valaya Alongkorn Rajabhat University under Royal Patronage*

ISFAS-1567

Chemical Compound and Antioxidant Activity of *Pseuderanthemum Palatiferum* (Nees)

Radlk Dry Leaves Crude Extract

Sasamol Phasuk | *Valaya Alongkorn Rajabhat University*

Soemphong Dejsungnoen | *Valaya Alongkorn Rajabhat University*

Poster Sessions (2)

Business & Economics / Education & Culture / Education

Wednesday, March 30, 2016

11:00-12:00

Foyer Area

ICBASS-7791

The Use of Environmental Management Accounting in Australia

Thanh Nguyet Phan | *Macquarie University*

Kevin Baird | *Macquarie University*

Sophia Su | *Macquarie University*

ICBASS-7870

Forecasting Car Sales in Thailand with the Impact of the National Flood and the First-Car Buyer Program

Chartchai Leenawong | *King Mongkut's Institute of Technology Ladkrabang*

Ponrudee Netisopakul | *King Mongkut's Institute of Technology Ladkrabang*

ICBASS-7931

The Relationship between Corporate Social Responsibility and Financial Performance of Firms Listed in Agricultural and Food Sector of the Stock Exchange of Thailand

Rangsan Nochai | *King Mongkut's Institute of Technology Ladkrabang*

Titida Nochai | *Assumption University*

ICBASS-8012

A Study on the Consumption Behavior of Foreign Tourists to Japan

Masao Toyama | *Chiba Institute of Technology*

ICBASS-7833

The Concept of Freedom and Its Relation to Liberal Education in Jacques Maritain

Katia Lenehan | *Fu Jen Catholic University*

ICBASS-7839

Structure Equation Modeling of Entrepreneurial Intentions: An Empirical Multinational Study on Entrepreneurship

Alba Zurriaga Carda | *The University of Tokyo*

Kazuro Kageyama | *The University of Tokyo*

Kenju Akai | *The University of Tokyo*

ICBASS-7919

The Impact of Parental Level of Income on Students' Academic Performance in High School in Japan

Chioma Henrietta Machebe | *University of Nigeria*

Bernedeth Ezegbe | *University of Nigeria*

Joseph Onuoha | *University of Nigeria*

ICBASS-7967

Using Pathfinder Network Analysis to Establish and Diagnose of Information Management Knowledge Structure

Kwoting Fang | *National Yunlin University of Science & Technology*

Hsien-Mei Chen | *National Yunlin University of Science & Technology*

ICBASS-8008

Value-Added Application of Digital Archives – Interactive Picture Book Design to Introduce Local Industries

Tun-Ju Liao | *National Formosa University*

ISEPST-715

Improving Test Security for Computerized Adaptive Testing

Shu-Ying Chen | *National Chung-Cheng University*

Tein-Shung Liu | *National Chung-Cheng University*

ISEPST-726

Rebuild the Relations among Children Groups: The Application of the Board Game in the E-Generation

Yu-Shan Lin | *National Chengchi University*

Ya-Chuan Hsu | *National Chengchi University*

Xiao-Xuan Liu | *National Chengchi University*

Chen-Xi Yang | *National Chengchi University*

ISEPST-727

The Essential Components of Reading Skills Development for 2nd Grade Students in Taiwan

Shu-Fen Huang | *Si Jie Elementary School*

Mei-Ying Chien | *National Dong Hwa University*

ISEPST-735

The Development of Vocational Education Actualization Program in Taiwan

Hsiu-Te Sung | *National Taiwan Normal University*

Yi-Fang Lee | *National Taiwan Normal University*

Tun-Yi Cheng | *National Taiwan Normal University*

ISEPST-737

Creating Learning Environments for Indigenous Students through Cultured-Based Math Modules

Ru-Fen Yao | *National Chia-Yi University*

ISEPST-750

Emotional Works in Preschool's Teacher's Everyday Lives: Case Study from Taiwan via Critical Ethnography

Yin-Kun Chang | *National Cheng Chi University*

ISEPST-764

The Relationships between Subjective Norm in Mathematics and Mathematical Literacy of Top Seven Math Performance Countries or Economies in PISA 2012

Su-Wei Lin | *National University of Tainan*

Chang-Sheng Wang | *National University of Tainan*

ISEPST-767

The Predicting Power of Mathematical Disposition for Mathematical Literacy of Taiwan Students

Su-Wei Lin | *National University of Tainan*

Tsung-Han Kuo | *National University of Tainan*

ISEPST-792

From School to Workplace: A Study of University Students' Department Choice and Career Choice Based on SCCT

Ya Feng Cheng | *Minghsin University of Science and Technology*

Hsiu Chin Lin | *Minghsin University of Science and Technology*

Yu Chi Yu | *Minghsin University of Science and Technology*

ISEPST-798

Item Selection Index Regulating Precision, Exposure Status, and Attribute Balancing Simultaneously in Cognitive Diagnostic Computerized Adaptive Testing

Chuan-Ju Lin | *National University of Tainan*

ISEPST-733

Validating an Anxiety Inventory for Motor Skill Learnings by Using Biofeedback Measurements

Yi-Fang Lee | *National Taiwan Normal University*

Jon-Chao Hong | *National Taiwan Normal University*

Hsiu-Te Sung | *National Taiwan Normal University*

ISEPST-815

Mediating Effects of Social Supports on the Relation between the Job Stresses and the Sense of Happiness of Kindergarten Teachers in Korea

Hyojin Ahn | *Incheon National University*

Hye-yeong Choi | *Changwon National University*

ISEPST-814

A Study of Relationship Between the Intensity of Labor and Job Stress among Teachers of Young Children

Hyojin Ahn | *Incheon National University*

Eunju Yun | *SookMyung Womens University*

Poster Sessions (3)

Computer Engineering and Technology (1) / Information

Engineering and Technology (1)/ Materials Science and

Engineering / Biomedical Engineering (1)

Wednesday, March 30, 2016 13:30-14:30 Foyer Area

ACEAIT-7324

Mobile Dashboard for OpenStack Ceph Storage Cluster

Hung-Ming Chen | *National Taichung University of Science and Technology*

Kai-Ren Bai | *National Taichung University of Science and Technology*

Shih-Ying Chen | *National Taichung University of Science and Technology*

ACEAIT-7397

A Lossless ECG Compression Method Using Delta Coding and Run Length Encoding

HongWen Fang | *National Taipei University of Technology*

C.C Lu | *National Taipei University of Technology*

ACEAIT-7430

Developing the Java Development Tool for Image Watermarking Mechanism

Hui-Wen Liao | *Ling Tung University*

Cyuan-Hu Sun | *Ling Tung University*

ACEAIT-7493

Geometry Based Similarity Measurement of 3D Mesh Data

Suk Woo Jung | *Korea University*

Seung Hyun Song | *Korea University*

Minho Chang | *Korea University*

ACEAIT-7504

Gain-Scheduled Control for Uncertain Stochastic Truck-Trailer System with Time-Varying Delay

Cheung-Chieh Ku | *National Taiwan Ocean University*

Guan-Wei Chen | *National Taiwan Ocean University*

ACEAIT-7273

Current Harmonics Minimization for Three-Phase Pulse-Width Modulation

Keng-Yuan Chen | *Yuan-Ze University*

ACEAIT-7373

The Wire-Free Breadboard – A Feasibility Study on Digital Circuit

Jun-He Chang | *National United University*

Ray-Shine Run | *National United University*

Ming-Chi Yen | *National United University*

ACEAIT-7385

Passivity and State Variance Constrained Sliding Mode Fuzzy Control for Discrete T-S Fuzzy Systems with Bilinear Consequent Part

Wen-Jer Chang | *National Taiwan Ocean University*

Feng-Ling Hsu | *National Taiwan Ocean University*

ACEAIT-7389

Superbroadband Emission from Rare Earth Singly Doped Glasses

Hung Liu | *City University of Hong Kong*

Bao-Jie Chen | *City University of Hong Kong*

Hai Lin | *Dailin Polytechnic University*

E.Y.B. Pun | *City University of Hong Kong*

ACEAIT-7520

A Triple-Band Monopole Antenna with Defected Ground Plane for WLAN and WiMAX Application

Yih-Chien Che | *Lunghwa University of Science and Technology*

Yan-Ru Shen | *Lunghwa University of Science and Technology*

ACEAIT-7296

Characteristics of the Humidity Conditioning Mesoporous Molecular Sieves Materials Synthesis from Thin Film Transistor- Liquid Crystal Display Waste Glass and SiC Sludge

Kae-Long Lin | *National Ilan University*

Chiao-Ying Chen | *National Ilan University*

Ju-Ying Lan | *National Ilan University*

Bo-Yi Kuo | *National Ilan University*

ACEAIT-7450

Effect of Upstream Building and Envelope Features on Natural Ventilation Performance of a Multistory Building

Cheuk-Ming Mak | *The Hong Kong Polytechnic University*

Zhengtao Ai | *The Hong Kong Polytechnic University*

Dongjin Cui | *The Hong Kong Polytechnic University*

ACEAIT-7342

Using a Hybrid Evolutionary for Assistance in Differential Diagnostic of the Newborn Hearing Loss Screening

Chun-Lang Chang | *National Formosa University*

ACEAIT-7351

A New Document Partial Disclosure Interface: Crumpled Paper Effect

Yuria Swada | *Kokushikan University*

Shinya Nakajima | *Kokushikan University*

ACEAIT-7557

A Study on Developing a Computational Model for Space Program of Public Libraries

Junyoung Yang | *Hong-ik University*

Uk Kim | *Hong-ik University*

ACEAIT-7537

Sophisticated Extension of Android Memory Manager Focused on Daily and Weekly Periodic Patterns

Hyo-Joong Suh | *The Catholic University of Korea*

ACEAIT-7559

Categorization of 3D Mesh Data

Seung Hyun Song | *Korea University*

Sukwoo Jung | *Korea University*

Seok Jung Kim | *Korea University*

Minho Chang | *Korea University*

ACEAIT-7284

Luminescence of Mn-Doped Zinc Stannate Powder Phosphor

Mu-Tsun Tsai | *National Formosa University*

Yu-Cheng Liu | *National Formosa University*

Che-Ming Chang | *National Formosa University*

ACEAIT-7338

Luminescence Comparison of Green Emitting Garnet Phosphors

Mihye Wu | *Korea Research Institute of Chemical Technology*

Sungho Choi | *Korea Research Institute of Chemical Technology*

Ha-Kyun Jung | *Korea Research Institute of Chemical Technology*

ACEAIT-7367

Fabrication of High Efficiency CuO Film/Perovskite MAPbI₃/C₆₀/BCP Organic Solar Cells by Thermal Oxidation Method

Lung-Chien Chen | *National Taipei University of Technology*

Kai-Chien Liang | *National Taipei University of Technology*

Cheng-Chiang Chen | *National Central University*

Chih-Hung Hsu | *National Taipei University of Technology*

ACEAIT-7393

Fabrication of Hollow Silica-Metal Oxide Composite Spheres and Their Activity for Hydrolytic Dehydrogenation of Ammonia Borane

Naoki Toyama | *Nihon University*

Tetsuo Umegaki | *Nihon University*

Yoshiyuki Kojima | *Nihon University*

ACEAIT-7418

Nitrogen Occlusion Behavior by ZrVFe Alloys

Yasuhiro Watanuki | *Nihon University*

Takeshi Toyama | *Nihon University*

Yoshiyuki Kojima | *Nihon University*

Nobuyuki Nishimiya | *Nihon University*

ACEAIT-7479

Effect of Annealing and Ultra-Thin DLC Film on Wear Corrosion Resistance of Electroless Ni-P Magnetic Underlayer in NaCl Solution

Cheng-Kuo Lee | *Chien Hsin University of Science and Technology*

C.H. Chen | *Chien Hsin University of Science and Technology*

Anhung Tan | *Chien Hsin University of Science and Technology*

ACEAIT-7518

Saw Parameters Optimization for Cutting Performance in Diamond Wire Sawing of Sapphire

Anhung Tan | *Chien Hsin University of Science and Technology*

Cheng-Kuo Lee | *Chien Hsin University of Science and Technology*

ACEAIT-7308

Application of the Southern Chinese Reference Data Set of Dental Age Assessment on 8 Years Old Northern Chinese Children

Hai Ming Wong | *The University of Hong Kong*

ACEAIT-7333

A Feature Amount Extracting Technique from Walking Signal Generated by Electrostatic Induction

Koichi Kurita | *Kinki University*

ACEAIT-7421

Effects of Component Design on Dislocation and Stress Distribution after Prosthetic Impingement in Total Hip Replacement

Jian-Horng Chen | *Chung Shan Medical University*

Wei-Min Chi | *Nan Kai University of Technology*

Chien-Chung Lin | *Armed Forces General Hospital Taichung*

Hsin-Hsien Yeh | *Chung Shan Medical University*

Ying-Jui Ho | *Chung Shan Medical University*

Chin-Liang Kuo | *Chung Shan Medical University*

ACEAIT-7570

Production of Bonded Sheet Metals Using a Hybrid Method of Rolling and Shear Deformation

Ryoichi Chiba | *National Institute of Technology, Asahikawa College*

Kazuya Inada | *National Institute of Technology, Asahikawa College*

Yumika Suga | *National Institute of Technology, Asahikawa College*

ACEAIT-7551

Application of Pyrimidine Derived Conjugated Polymers to Bulk Heterojunction Organic Solar Cell

Yejin Chang | *Pusan National University*

Dongjun Kim | *Pusan National University*

Hongsuk Suh | *Pusan National University*

ACEAIT-7527

Electrochemical Deposition of Paclitaxel/Hydroxyapatite Composites on Ti Alloy for Biomedical Applications

Yu-Mei Cheng | *National Chung Shing University*

Shuei-Bin Lai | *National Chung Shing University*

Yu-Liang Lai | *National Chung Shing University & China Medical University Hospital*

Shiow-Kang Yen | *National Chung Shing University*

ACEAIT-7526

Preparation and Characterization of Pt/Carbon Black-Vivianite Composites as Catalysts for Fuel Cells

Yu-Chuan Lin | *National Chung Shing University*

Yu-Ching Cheng | *National Chung Shing University*

Yen-Min Wang | *National Chung Shing University*

Shiow-Kang Yen | *National Chung Shing University*

ACEAIT-7523

Preparation and Characterization of Pt/Carbon Black-Iron Contained Hydroxyapatite Composites as Catalysts for Fuel Cells

Yung-Cheng Lin | *National Chung Shing University*

Yu-Ching Cheng | *National Chung Shing University*

Yu-Wen Chen | *National Chung Shing University*

Shiow-Kang Yen | *National Chung Shing University*

ACEAIT-7346

OpenStack-Based Smart Device Cloud Automation Test System

Shih-Ying Chen | *National Chung Shing University*

Hung-Ming Chen | *National Chung Shing University*

Feng-Ming Wu | *National Chung Shing University*

Cheng-Feng Ke | *National Chung Shing University*

ACEAIT-7335

The Intelligent Charging Path Planning for Electric Vehicle

Zhi-Ping Lin | *National Taipei University of Technology*

Her-Shing Wang | *National Taipei University of Technology*

Shao-Jyun Tsai | *National Taipei University of Technology*

ACEAIT-7278

A Method for Retrieving and Building Structure of NLP Knowledge to Improve the Disambiguation of Word Semantics

El-Sayed Atlam | *Tanta University & University of Tokushima*

Poster Sessions (4)

Marketing & Management / Communication & Society /

Psychology / Society / Politics & Law

Wednesday, March 30, 2016 15:00-16:00 Foyer Area

ICBASS-7827

Using OA Metal Jig Lure to Explore Experiential Marketing and Brand Marketing

Chia-Chun Lin | *Southern Taiwan University of Science and Technology*

Wei-Chen Yang | *Southern Taiwan University of Science and Technology*

Thomas Chiang Blair | *Southern Taiwan University of Science and Technology*

ICBASS-7832

Experiential Marketing and Consumer Purchase Intention — A Case Study of New Magtonic Products

Wei-Chen Yang | *Southern Taiwan University of Science and Technology*

Chia-Chun Lin | *Southern Taiwan University of Science and Technology*

Thomas Chiang Blair | *Southern Taiwan University of Science and Technology*

ICBASS-7848

The Impact of Personality Traits on Knowledge Sharing — the Explore of Mediator Effect of Job Satisfaction and the Moderator Effect of Trust Relationship in Notebook Industry

Yuan-Ho Chen | *Lunghwa University of Science and Technology*

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

Pao-Yu Cheng | *Lunghwa University of Science and Technology*

ICBASS-7867

A Study on the Behavior Intention Relationship Model for the Visitors in Taichung Cultural and Creative Area

Tang-Chung Kan | *National Kaohsiung University of Hospitality and Tourism*

Joyce Hsiu-Yu Chen | *National Kaohsiung University of Hospitality and Tourism*

Ya-Ting Yang | *National Kaohsiung University of Hospitality and Tourism*

ICBASS-7883

The Effect of Organization Health on Employees Engagement: A Case Study of the Thai Rubber Estate Organization

Watinee Nitjumroon | *Kasetsart University*

Watcharapong Intarawong | *Kasetsart University*

Sirinna Hatlem | *Kasetsart University*

ICBASS-7884

Entrepreneurial Orientation as Antecedent of Business Performance through Competitive Advantage of SMEs in Thailand

Prakaiphet Vongsawat | *Kasetsart University*

Watcharapong Intarawong | *Kasetsart University*

Songwoot Graipaspong | *Kasetsart University*

ICBASS-7886

A Comparative Study of Organizational Culture, Innovation Leadership and Innovation between Thai State Enterprise's Commercial Bank Group and Public Company's Commercial Bank Group

Kunyapatsorn Thopa | *Kasetsart University*

Watcharapong Intarawong | *Kasetsart University*

ICBASS-7889

The Influence of Organizational Culture and Quality of Work Life on Quality Performance: A Case Study of Amalgamation Higher Education Institution

Chanunkant Ramangkun | *Kasetsart University*

Watcharapong Intarawong | *Kasetsart University*

ICBASS-7890

The Effect of Organizational Climate on Employee Performance through Knowledge Sharing of Krung Thai Bank Public Company Limited

Wuttipong Hongsakorn | *Kasetsart University*

Songwoot Graipaspong | *Kasetsart University*

Watcharapong Intarawong | *Kasetsart University*

ICBASS-7899**Organizational Innovation Strategy and Firm Survival through Product Advantage: A Case Study of Jewelry Business in Thailand**

Chanigarn Kraochukun | *Kasetsart University*

Chattawat Limpsurapong | *Kasetsart University*

Songwoot Graipaspong | *Kasetsart University*

ICBASS-7900**The Influence of Business Environment Factors on Thai Tourist Decision Making to Visit Laos: A Case Study of Chiang Rai, Nong Khai, Nakhon Phanon, Mukdahan, and Ubon Ratchathani Province, Thailand**

Sotsuchat Somnam | *Kasetsart University*

Chattawat Limpsurapong | *Kasetsart University*

Tanin Tirasawasdichai | *Kasetsart University*

ICBASS-7901**Human Capital Competency and Performance through New Product Creation and Product Advantage: An Empirical Study of SMEs in Thailand**

Chattawat Limpsurapong | *Kasetsart University*

Thitiporn Prakasina | *Kasetsart University*

ICBASS-7902**The Influence of Organizational Competency and Firm Performance: A Case Study of 4-5 Stars Hotel Business in Thailand**

Chattawat Limpsurapong | *Kasetsart University*

Kritsadakorn U-saprom | *Kasetsart University*

ICBASS-7903**Organizational Competency and Firm Performance: An Empirical Study of Day Spa Business in Thailand**

Chattawat Limpsurapong | *Kasetsart University*

Sannipa Wipromha | *Kasetsart University*

Krittapong Watcharanukul | *Kasetsart University*

ICBASS-7904

Organizational Communication Strategy and Firm Performance: Evidence from Software Businesses in Thailand

Chattawat Limpsurapong | *Kasetsart University*

Sarinee Boriboon | *Kasetsart University*

Worravit Kultangwatana | *Kasetsart University*

ICBASS-7905

The Influence of Leadership, Employee Competency, and Organizational Atmosphere on Firm Performance through Teamwork Efficiency and Intention to Life: A Case Study of Computer Spare Parts Business in Thailand

Porapat Thanprayot | *Kasetsart University*

Nattanan Saksamrit | *Kasetsart University*

Chattawat Limpsurapong | *Kasetsart University*

ICBASS-7910

Quality of Work Life and Occupational Stress of Sewing Staff in Garment Factory in North Eastern Thailand

Thai Pongsathonjing | *Kasetsart University*

Pattama Suriyakulnaayudhya | *Kasetsart University*

Siriluk Prasunpangsri | *Kasetsart University*

ICBASS-7915

Human Capital Competency and Firms Performance: A Case Study of 4-5 Star Hotel Businesses in Thailand

Pantipa Intarapanich | *Kasetsart University*

ICBASS-7993

Application of Evolutionary Optimization for Supply Chain Management

Shih-Chang Wang | *Lunghwa University of Science and Technology*

ICBASS-8074

Wasabi Component and Derivatives Enhance Radiotherapy Effect against Human Pancreatic Cancer Cells – A Scientific Basis for Developing Functional Food Product

Yu-Jen Chen | *MacKay Memorial Hospital*

ICBASS-7968

Competitiveness of a Nation: How Brand China Rebuild Its Image and Reputation

Thomas Chiang Blair | *Southern Taiwan University of Science and Technology*

Chia-Chun Lin | *Southern Taiwan University of Science and Technology*

Wei-Chen Yang | *Southern Taiwan University of Science and Technology*

ISEPST-719

How School-Based Mentoring Affect Psychological Well-Being among Adolescents?

Mika Sakurai | *Kokushikan University*

ISEPST-742

A New IRT Model for Different Response Patterns

Hung-Yu Huang | *University of Taipei*

Su-Pin Hung | *National Cheng Kung University*

ISEPST-783

Analysis of Mackay Historical and Cultural Spatial Map in Central and Southern Taiwan

Shao-Chi Chien | *Aletheia University*

Ying-Ju Chen | *Aletheia University*

ISEPST-795

Spatial Analysis on Historical of Mackay in Eastern Taiwan

Shao-Chi Chien | *Aletheia University*

Chiao-Yu Tseng | *Aletheia University*

ICBASS-8055

American Presidents Major Decisions

Lyn Ragsdale | *Rice University*

Poster Sessions (5)

Biological Engineering / Life Sciences (1) / Physics Sciences /

Chemical Sciences (2) / Chemical Engineering

Wednesday, March 30, 2016 16:30-17:30 Foyer Area

GLSBE-14

Biotransformation of Quercetin by Recombinant Escherichia Coli Expressing O-Methyltransferase from Streptomyces Peucetius

Chien-Min Chiang | *Chia Nan University of Pharmacy*

Chun-Ping Jen | *National Chung Cheng University*

Te-Sheng Chang | *National University of Tainan*

GLSBE-25

Autotrophic Growth of Paracoccus Denitrificans in Aerobic Condition and the Accumulation of Biodegradable Plastics from CO₂

Kenji Tanaka | *Kinki University*

Syunya Mori | *Kinki University*

Mai Hirata | *Kinki University*

Hiromi Matsusaki | *Prefectural University of Kumamoto*

GLSBE-68

Virus Mimetic Nanocapsules for Tumor Therapy

Shang-Hsiu Hu | *National Tsing Hua University*

Jen-Hung Fang | *National Tsing Hua University*

GLSBE-92

Electrochemical Biosensor Based on MoS₂/Graphene for Highly Sensitive Detection of Human Parathyroid Hormone

Hyeyoun Kim | *Korean Electronics Technology Institute*

Kook-Nyung Lee | *Korean Electronics Technology Institute*

Min-Ho Lee | *Korean Electronics Technology Institute*

GLSBE-110

Small Angle X-Ray and Neutron Scattering Studies of Multifunctional Superparamagnetic Iron Oxide Nanocarriers

Kuen-Song Lin | *Yuan Ze University*

Khalilalrahman Dehvari | *Yuan Ze University*

Tyz-Wei Chang | *Yuan Ze University*

GLSBE-97

The Production of Rod-Like Cellulose Nanocrystals from Moso Bamboo

Kuan-Hsuan Lin | *National Taiwan University*

Chia-Min Liu | *National Taiwan University*

Feng-Cheng Chang | *National Taiwan University*

GLSBE-4

Production of Angiotensin I-Converting Enzyme Inhibitory Peptides from Tilapia Protein Using Continuous Enzymatic Membrane Reactor

Narin Charoenphun | *Burapha University Sakaeo Campus*

Wirote Youravong | *Prince of Songkla University*

GLSBE-16

Self-Splicing of Group I Intron of the Mitochondrial Genome of the Sponge, *Cinachyrella Australiensis*

Chi-Hsin Hsu | *National Sun-Yat Sen University*

Ching-Lien Wu | *National Sun-Yat Sen University*

GLSBE-20

Co-Resistance and Multidrug Resistance of *E. Coli* Isolated from Water at Broiler Chicken Farms in Northeastern Thailand

Sirinya Weluwanarak Sompao | *Khon Kaen University*

Apiradee Sopa | *Khon Kaen University*

Peerapol Sukon | *Khon Kaen University*

Pairat Sornplang | *Khon Kaen University*

Bongkot Noppon | *Khon Kaen University*

Takuo Sawada | *Nippon Veterinary and Life Science University*

Tetsuo Asai | *Gifu University*

GLSBE-26

Enzymatic Synthesis of Pentyl- α -Glycosides with Surfactant and Antibacterial Properties

Rittichai Charoensapyanan | *Thammasat University*

Kazuo Ito | *Osaka City University*

Prakarn Rudeekulthamrong | *Phramongkutklao College of Medicine*

Jarunee Kaulpiboon | *Thammasat University*

GLSBE-31

Discovery of Potent Tyrosinase Inhibitors from Chinese Herbals and Oligopeptides

Yu-Ching Lee | *Taipei Medical University*

Tien-Sheng Tseng | *National Changhua University of Education*

Wang-Chuan Chen | *I-Shou University*

Nai-Wan Hsiao | *National Changhua University of Education*

Keng-Chang Tsai | *National Research Institute of Chinese Medicine*

GLSBE-35

Antiproliferation Effect of Curcumin and Tetrahydrocurcumin on Cholangiocarcinoma Cells

Nuntiya Somparn | *Thammasat University*

Veerapol Kukongviriyapan | *KhonKaen University*

ISFAS-1442

Mathematical Model of Diphtheria with Vaccination in Thailand

Puntani Pongsumpun | *King Mongkut's Institute of Technology Ladkrabang*

ISFAS-1473

Effectiveness of Therapy for Pregnant Low Back Pain - A Systematic Review

C. W. Kan | *The Hong Kong Polytechnic University*

M.Y. Li | *The Hong Kong Polytechnic University*

A. S. W. Wong | *The Hong Kong Polytechnic University*

Y. L. Kwok | *The Hong Kong Polytechnic University*

J. Yip | *The Hong Kong Polytechnic University*

S. P. Ng | *The Hong Kong Polytechnic University*

T. H. T. Lao | *The Chinese University of Hong Kong*

ISFAS-1491

Preparation and Electrical Properties of the $\text{TmMnO}_3/\text{SrTiO}_3$: Nb Heterostructures

Tai-Chun Han | *National University of Kaohsiung*

Yi-De Chung | *National University of Kaohsiung*

Yih-Tsyu Chu | *National University of Kaohsiung*

Wen-Lan Chen | *National University of Kaohsiung*

Jauyn Grace Lin | *National Taiwan University*

ISFAS-1506

Effect of Cobalt Doping on the Magnetic and Electric Properties of GaFeO_3

Nanoparticles

Yih-Tsyu Chu | *National University of Kaohsiung*

Tai-Chun Han | *National University of Kaohsiung*

Yi-De Chung | *National University of Kaohsiung*

Wen-Lan Chen | *National University of Kaohsiung*

Chun Yen | *National University of Kaohsiung*

ISFAS-1508

3 Dimensional Measurement by Hilbert Transform in Interferometric Fringe Microscopy

Silin Na | *Jeju National University*

Sanghoon Shin | *Korea Plant Service & Engineering*

Younghun Yu | *Jeju National University*

ISFAS-1517

Low Cost Ultraviolet-Visible Spectroscope Using LED Light Source

Surachart Kamoldilok | *King Mongkut's Institute of Technology Ladkrabang*

Phachara Phongwisit | *King Mongkut's Institute of Technology Ladkrabang*

ISFAS-1544

Investigation on Loss of Hexagonal Arrangement in Holey Fiber

Donyawan Chittinan | *King Mongkut's Institute of Technology Ladkrabang*

Surachart Kamoldilok | *King Mongkut's Institute of Technology Ladkrabang*

S. Lekchaum | *King Mongkut's Institute of Technology Ladkrabang*

ISFAS-1606

Fabrication of Photodiode Sensors and Measurements of Photodiode Detector Coupled with a Scintillator

Hwanbae Park | *Kyungpook National University*

H. B. Jeon | *Kyungpook National University*

K. H. Kang | *Kyungpook National University*

B. B. Kim | *Kyungpook National University*

T. H. Kim | *Kyungpook National University*

S. C. Lee | *Kyungpook National University*

ISFAS-1433

Synthesis of White-Light-Emitting Molecules for White Organic Light-Emitting Diodes

Ying-Hsuan Wu | *Feng Chia University*

Kew-Yu Chen | *Feng Chia University*

ISFAS-1435

Synthesis and Optical Properties of Novel Asymmetric Perylene Bisimides

Fang-Yun Chien | *Feng Chia University*

Kew-Yu Chen | *Feng Chia University*

ISFAS-1436

Highly Soluble Monoamino-Substituted Perylene Tetracarboxylic Dianhydrides: Synthesis, Optical and Electrochemical Properties

Yung-Cheng Hsieh | *Feng Chia University*

Kew-Yu Chen | *Feng Chia University*

ISFAS-1437

A Low-Molecular-Weight Ratiometric Chemodosimeter for Highly Selective Naked-Eye and Fluorogenic Detection of Cyanide

Jiun-Wei Hu | *Feng Chia University*

Kew-Yu Chen | *Feng Chia University*

ISFAS-1475

Antibacterial Finishing of Cotton with Biostatic Approach

Chi-Wai Kan | *The Hong Kong Polytechnic University*

ISFAS-1503**Structural and Thermal Characteristics of Alkali-Treated Graphites**

Seung-Won Song | *Dong-Eui University*

Hyunmyung Choi | *Dong-Eui University*

Weontae Oh | *Dong-Eui University*

ISFAS-1505**Mechanical and Thermal Characteristics of the Thermal Interface Materials (TIMs)****Prepared by Silicone Composite Materials**

Hyunmyung Choi | *Dong-Eui University*

Seung-Won Song | *Dong-Eui University*

Weontae Oh | *Dong-Eui University*

ISFAS-1551**Mechanism of NO Photocatalytic Removal on g-C₃N₄ Was Changed by Pd-QDs****Modification**

Guohui Dong | *Chinese Academy of Sciences*

Wingkei Ho | *The Hong Kong Institute of Education*

ISFAS-1632**Dyeing Characteristics and Tensile Strength of High Tenacity Polyethylene (HTPE) Fibers**

Beom Young Lee | *Pusan National University*

Jeong Hoon Lee | *Pusan National University*

Tae Kyung Kim | *Kyungpook National University*

Seung Geol Lee | *Pusan National University*

ACEAIT-7332**Synthesis and Properties of Thermal and Transparency of Dicyclopentadiene Modified Poly(Methyl Methacrylate)**

Chih-Wei Tsai | *Chung Cheng Institute of Technology, National Defense University*

Fang-Ning Li | *Chung Cheng Institute of Technology, National Defense University*

Kuo-Hui Wu | *Chung Cheng Institute of Technology, National Defense University*

ACEAIT-7339

Preparation of Shell Crosslinked Micelles as Drug Carriers from Poly(N-isopropyl acrylamide)-co-poly(L-lysine) Graft Copolymer

You-Liang Tu | *National Cheng Kung University*

Cheng-Chien Wang | *Southern Taiwan University of Science and Technology*

Chuh-Yung Chen | *National Cheng Kung University*

ACEAIT-7327

Experimental Study on Hydraulic Characteristics of Detour Flood-Flow in a Blocked River and Flood Damage to House

Takaaki Okamoto | *Kyoto University*

Hiroshi Takebayashi | *Kyoto University*

Keiichi Toda | *Kyoto University*

Michio Sanjou | *Kyoto University*

Yuto Shibayama | *Kyoto University*

Poster Sessions (6)

**Life Sciences (2) / Environmental Engineering / Geology, Earth
and Environmental Sciences / Engineering Sciences (2) /**

Biomedical Engineering (2)

Thursday, March 31, 2016

09:40-10:40

Foyer Area

GLSBE-36

Anti-Metastatic Potential of Myricetin against Human Cholangiocarcinoma Cells

Laddawan Senggunprai | *Khon Kaen University*

Pattarapon Tuponchai | *Khon Kaen University*

Veerapol Kukongviriyapan | *Khon Kaen University*

Auemduan Prawan | *Khon Kaen University*

GLSBE-38

**Hepatoprotective of Cymbopogon Citratus Stapf. Ethanolic Extract against
Acetaminophen-Induced Hepatotoxicity in Rats**

Suphaket Saenthaweesuk | *Thammasat University*

Nuntiya Somparn | *Thammasat University*

Atcharaporn Thaeomor | *Suranaree University of Technology*

Janyuth Chaisakul | *Phramongkutklao College of Medicine*

GLSBE-46

**Modulating the Structure and Function of an Aminoacyl-Trna Synthetase Cofactor by
Biotinylation**

Chih-Yao Chang | *National Central University*

Arief Muammar | *National Central University*

Yu-Chen Chien | *National Central University*

Yu-Ren Chen | *National Central University*

Yu-Bao Wu | *National Central University*

Chien-Chia Wang | *National Central University*

GLSBE-47

Functional Substitution of an Indirect Pathway for tRNA Glutamylation with a Direct Pathway

Zong-You Hsieh | *National Central University*

Chia-Chen Hu | *National Central University*

Nancy Christina Batubara | *National Central University*

Meng-Hsuan Lee | *National Central University*

Hsiang-Hui Hung | *National Central University*

Chien-Chia Wang | *National Central University*

GLSBE-48

Deletion of a WHEP Domain Confers a Gain-of-Function Phenotype to a CMT-Associated Aminoacyl-tRNA Synthetase

Hsiang-Ching Tseng | *National Central University*

Chia-Pei Chang | *National Central University*

I-An Chen | *National Central University*

Indra Lasmana Tarigan | *National Central University*

Wei-Cheng Chen | *National Central University*

Chien-Chia Wang | *National Central University*

GLSBE-53

Nuclear Factor-KappaB-Dependent Sestrin2 Induction Mediates the Antioxidant Effects of BDNF against Mitochondrial Inhibition in Rat Cortical Neurons

Ding-I Yang | *National Yang-Ming University*

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

GLSBE-64

Determination of Active Constituents and Antioxidative Activity in *Schleichera Oleosa* (Lour) Oken

Buntarawan Turapra | *Khon Kaen University*

Chantana Bunyarat | *Khon Kaen University*

Supawadee Daodee | *Khon Kaen University*

GLSBE-23

Directed Expression of Cre Recombinase exclusively in Type II Alveolar Epithelial Cells of the Transgenic Mice

Ning Hou | *Academy of Military Medical Sciences*

Xiao Yang | *Academy of Military Medical Sciences*

GLSBE-65

The Genetic Potential of Wheat Resistance to Heavy Metals

Ravilya Alybayeva | *Kazakh National University named after Al-Farabi*

Valiria Kruzhaeva | *Kazakh National University named after Al-Farabi*

Ainash Alenova | *Kazakh National University named after Al-Farabi*

Indira Salmenova | *Kazakh National University named after Al-Farabi*

Akmaral Asylbekova | *Kazakh National University named after Al-Farabi*

A. Sadyrbaeva | *Kazakh National University named after Al-Farabi*

GLSBE-80

Screening on Plant Crude Extracts Containing CRT3-Mediated Anti-Differentiation Activity of 3T3-L1 Adipocytes

Han-Heom Na | *Kangwon National University*

Yoonsung Kang | *Institute for Diagnostic Markers*

Keun-Cheol Kim | *Kangwon National University*

GLSBE-81

Bacterial Fimbriae Regulated by Sugar Concentration in *Klebsiella Pneumoniae*

Ting Sun | *Tzu Chi University*

Yu-Tze Horng | *Tzu Chi University*

Po-Chi Soo | *Tzu Chi University*

GLSBE-83

The Study of Interaction between KPN_00353 (EIIA Homolog) and Adenylate Cyclase (AC) in *Klebsiella Pneumoniae*

Ching-Yi Lin | *Tzu Chi University*

Yu-Tze Horng | *Tzu Chi University*

Po-Chi Soo | *Tzu Chi University*

GLSBE-87

Inhibition of ERK-Drp1-Mediated Mitochondrial Fragmentation by Peroxiredoxin 5 Prevents Amyloid-Beta Oligomer-Induced Cell Death

Unbin Chae | *Kyungpook National University*

Dong-Seok Lee | *Kyungpook National University*

GLSBE-88

Iron Overload-Induced Calcineurin-Sensitive Signals Triggers Mitochondrial Fragmentation in HT-22 Hippocampal Neuron Cells

Donggil Lee | *Kyungpook National University*

Dong-Seok Lee | *Kyungpook National University*

GLSBE-96

Oral Administration of Pineapple Glucosylceramide Improves Skin Barrier Function by Enhancement of Collagen Production in Hos:HR-1 Hairless Mice

Sakiko Oka | *Kobe University*

Takashi Hashimoto | *Kobe University*

Nobuaki Ohto | *Maruzen Pharmaceuticals Co., Ltd*

Hiroshige Kuwahara | *Maruzen Pharmaceuticals Co., Ltd*

Masashi Mizuno | *Kobe University*

GLSBE-99

Identification of Surfactant and the Grease Degrading Bacteria

Tsung-Han Chou | *Asia University*

Hebron C. Chang | *Asia University*

Su-Hua Huang | *Asia University*

GLSBE-101

Inhibitory Effect of Lactobacillus Plantarum 22A-3 Strain on type I Allergy

Kou Fukuura | *Kobe University*

Takashi Hashimoto | *Kobe University*

Nobuaki Oto | *Maruzen Pharmaceuticals Co.,Ltd*

Taeko Hayashi | *Maruzen Pharmaceuticals Co.,Ltd*

GLSBE-119

Effects of Moxibustion on Weight Loss and Abdominal Obesity in Young Asian Females

Ching Hsiu Hsieh | *Chang Gung University Of Science and Technology*

Chi-Chuan Tseng | *Chang Gung Memorial Hospital,*

Pei-Ying Chuang | *University of Texas*

GLSBE-122

The Antimicrobial Properties of Silver Nanoparticles in *Bacillus Subtilis*

Yi-Huang Hsueh | *Yuan Ze University*

Kuen-Song Lin | *Yuan Ze University*

Wan-Ju Ke | *Chang Gung University*

Chien-Te Hsieh | *Yuan Ze University*

Shih-Tung Liu | *Chang Gung University*

ACEAIT-7552

Impacts of As, Cr, and Pb Treatments on Changes in the Concentrations of Selected Functional Ingredients in Go-deul-ppae-gi Plant

Jin-Ho Jang | *Chonbuk National University*

Dong-Jin Kim | *Chonbuk National University*

Sung Eun Kim | *Chonbuk National University*

Young Mi Seol | *Chonbuk National University*

Jung-Hwon Park | *Chonbuk National University*

Jin-Ho Lee | *Chonbuk National University*

ACEAIT-7571

Photocatalytic Degradation of Trichloroethylene by Using TiO₂ and ZnO Coated Optical Fiber

Ching-Jung Chen | *National Pingtung University of Science and Technology*

Chen-Shiuan Huang | *National Pingtung University of Science and Technology*

Kuan-Chung Chen | *National Pingtung University of Science and Technology*

ISFAS-1483

Paleoenvironmental Changes of the Hupo Basin, Korean Inferred from Diatom Analysis of Piston Core (HB 13-2)

Jihan Ko | *Kyungpook National University*

Seong-Joo Lee | *Kyungpook National University*

ISFAS-1512

Applications of Liquid Crystal (LC) Based Sensor for the Quantitative Identifications of H₂O₂ and NaClO in Aquatic Environments

Ciao-Yan Chen | *National United University*

Lei-Xu Chen | *National United University*

Ruey-Fang Yu | *National United University*

ISFAS-1535**Control of the Optimal $\text{H}_2\text{O}_2/\text{Fe}^{2+}$ Ratio in Photo-Fenton Wastewater Treatment Using DO and ORP Monitoring**

Jing-Lan Huang | *National United University*

Yi-Wen Hsu | *National United University*

Ruey-Fang Yu | *National United University*

ISFAS-1536**Monitoring of ORP, pH, DO in nZVI Wastewater Treatment Process for Chromium Cr(VI) Removal**

Jun-Xian Jiang | *National United University*

Hsien-Kuan Liao | *National United University*

Ruey-Fang Yu | *National United University*

ISFAS-1498**Adsorption of Soap in Biodiesel Using Magnesium Silicate**

Pornsawan Assawasaengrat | *King Mongkut's Institute of Technology Ladkrabang*

Pornrin Jintanavasan | *King Mongkut's Institute of Technology Ladkrabang*

ISFAS-1560**Air Dehumidification System Using Propylene Glycol Solution**

Siripan Murathathunyaluk | *King Mongkut's Institute of Technology Ladkrabang*

Nakaran Rueangwiriyanan | *King Mongkut's Institute of Technology Ladkrabang*

Laksanaporn Poolnapol | *King Mongkut's Institute of Technology Ladkrabang*

ISFAS-1534**An Ultra-Wideband (0.6-7.2 GHz) CMOS VCO Using a High Tunable Active Inductor**

Hsuan-Ling Kao | *Chang Gung University*

Cheng-Lin Cho | *National Tsing Hua University*

Li-Chun Chang | *Ming Chi University of Technology*

Ping-Che Lee | *Chang Gung University*

ACEAIT-7482**Development of a Monoclonal Antibody Specific to Envelope Domain III of Dengue Virus with Broad-Spectrum Detecting Capability to All Four Serotypes of Dengue Virus**

Yu Na Kim | *Chonbuk National University*

Sae-Hae Kim | *Chonbuk National University*

Kwang Yeop Jahng | *Chonbuk National University*

Sung Eun Kim | *Chonbuk National University*

Young Mi Seol | *Chonbuk National University*

Yong-Suk Jang | *Chonbuk National University*

ACEAIT-7481**Synthesizing Porous Photocatalyst via Dual-Template for Enhancing VOCs****Photodecomposition**

Yu-Chih Lin | *Yuanpei University of Medical Technology*

Gnan-Chiun Li | *Yuanpei University of Medical Technology*

Poster Sessions (7)

Mechanical Engineering and Technology (2) / Mechanic and

Engineering Sciences / Nanotechnology / Civil Engineering /

Electrical Engineering and Technology / Information

Engineering and Technology (2)/ Computer Engineering and

Technology (2)

Thursday, March 31, 2016

11:00-12:00

Foyer Area

ACEAIT-7370

Mass Minimization on a Lower Extremity Exoskeleton Frame for Load-Carrying Assistive Exoskeleton Using Genetic Algorithms

Warawuth Surojananon | *Mahidol University*

Rung Kittipichai | *Mahidol University*

ACEAIT-7387

Meso-Scale Modeling of the Drilling of Carbon Fiber Reinforced Plastic: Geometry and Numerical Analysis

Sinan Al-Wandi | *RMIT University*

Wencheng Pan | *The University of Huddersfield*

Songlin Ding | *RMIT University*

John P.T. Mo | *RMIT University*

ACEAIT-7478

Aeroelastic Simulations of Wind Turbine Rotor Blades Using a Coupled CFD-CSD Methodology

Dong Ok Yu | *Korea Advanced Institute of Science and Technology*

Oh Joon Kwon | *Korea Advanced Institute of Science and Technology*

ACEAIT-7402**The Effect of Polarization Maintaining Fiber on Tapered Fiber Sensor Employed Fiber Loop Mirror Interferometer**

Yi-Cheng Hsu | *National Pingtung University of Science and Technology*

Yu-Sheng Zhu | *National Pingtung University of Science and Technology*

Yeu-Chern Li | *National Pingtung University of Science and Technology*

Cheng-Wei Li | *National Pingtung University of Science and Technology*

ACEAIT-7461**Soft Computing Approaches to Pneumatic Control System: An Application to Suspension Test Bench**

Hsin-Han Chiang | *Fu Jen Catholic University*

Lian-Wang Lee | *Lunghwa University of Science and Technology*

Tsu-Tian Lee | *Tamkang University*

ACEAIT-7506**Performance Analysis of Power Steering Oil Pump Applying Al Material**

Yunchan Shin | *Chosun University*

Gwanghyun Im | *Chosun University*

Jongkuk Kim | *Younghwa Inc*

Honghyun Cho | *Chosun University*

ACEAIT-7538**Estimate of Mixed Convection Heat Transfer and Fluid Flow Characteristics of Plate-Fin Heat Sink in the Opening of the Enclosure**

Han-Taw Chen | *National Cheng Kung University*

Chung Yi Wu | *National Cheng Kung University*

ACEAIT-7614**Effect on the Boiling Characteristics in the Pool Boiling of Al₂O₃ Nanofluid**

Junggyun Ham | *Chosun University*

Gwanghyun Im | *Chosun University*

Honghyun Cho | *Chosun University*

ACEAIT-7686**Laser Beam Shaping Based on Genetic Algorithm Optimization**

Yi Chin Fang | *National Kaohsiung First University of Science and Technology*

Cheng Mu Tsai | *National Chung Hsing University*

ACEAIT-7297

An Artificial Intelligence Method to Investigate the Locations of Trader's Stall for Periodical Products

Yi-Chih Hsieh | *National Formosa University*

Pei-Ju Lee | *National Chung Cheng University*

Yung-Cheng Lee | *WuFeng University*

ISFAS-1470

Characteristic and Efficiency Analysis of Storage-Type Solar PV/Thermal Hybrid

Feng-Chin Tsai | *Tungnan University*

Jen-Ching Huang | *Tungnan University*

Xin-Zhi Huang | *Tungnan University*

ISFAS-1579

Natural Convection in Inclined Wavy-Wall Cavity Filled with Al₂O₃-Water Nanofluid Using Heatline Technique

Ching-Chang Cho | *National Formosa University*

Ching-Huang Chiu | *National Formosa University*

Kuo-Ching Chiu | *National Formosa University*

Chong-You Lai | *National Formosa University*

ISFAS-1482

A Study on Mechanical Behaviors of Si/Ge Core-Shell Nanowires by Molecular Dynamics Simulation

Yu-Shan Lin | *National Cheng Kung University*

Tei-Chen Chen | *National Cheng Kung University*

ISFAS-1577

Applications of Magnetic Particles to Adsorb Emerging Contaminants in Aqueous Solution

Hua-Wei Chen | *St. Mary's Medicine, Nursing and Management College*

Yo-Ping Wu | *National Ilan University*

Shu-Han Chang | *National Ilan University*

Chyow-San Chiou | *National Ilan University*

ISFAS-1593**Surface Enhanced Raman Scattering on Periodic Gold Nanowire Arrays**

Yu-Chung Chang | *National Changhua University of Education*

Yu-Ju Hung | *National Sun Yat-Sen University*

Bo-Han Huang | *National Changhua University of Education*

Tsung-Hsien Lin | *National Changhua University of Education*

Chun-Han Chen | *National Changhua University of Education*

ACEAIT-7555**Development of Typhoon Rainfall Forecast Model Using Satellite Data**

Chih-Chiang Wei | *National Taiwan Ocean University*

ACEAIT-7561**Flexural Behaviors of RC Non-Uniform Beam with Lap Details Using Headed Bars**

Seung-Hun Kim | *Hanbat National University*

Kyu-Seon Lee | *Hanbat National University*

ACEAIT-7459**Wireless Monitoring and Prediction of Rail Temperature**

Chen-Ming Kuo | *National Cheng Kung University*

Tsung-Hao Han | *National Cheng Kung University*

Tzu-Fan Chiang | *National Cheng Kung University*

ACEAIT-7606**Preliminary Study on the Monitoring System by Using UAV Imagery**

Jiyoung Kim | *Seoul National University*

Yoonsik Bang | *Seoul National University*

Yangsun Kim | *Mokpo National University*

Jae Bin Lee | *Mokpo National University*

ACEAIT-7532**Object Detecting LED Control System Using Doppler Sensor**

Sang Woo Jung | *Kyungpook National University*

Seung Hyun Paik | *Kyungpook National University*

Jun Yeong Lee | *Kyungpook National University*

Hong Bae Park | *Kyungpook National University*

ACEAIT-7560

The Green Design of VCO and Mixer Circuits for Ultra-Wide Band Applications

H.-C. Chow | *Chang Gung University*

Y.-C. Kuo | *Chang Gung University*

W.-S. Feng | *Chang Gung University*

ACEAIT-7607

A Multi-Agent System for Microgrid Optimal Operations

Wei-Tzer Huang | *National Changhua University of Education*

Tsai-Hsiang Chen | *National Taiwan University of Science and Technology*

Jhih-Siang Yang | *National Taiwan University of Science and Technology*

Hong-Ting Chen | *National Changhua University of Education*

Yung-Ruei Chang | *The Institute of Nuclear Energy Research*

Yih-Der Lee | *The Institute of Nuclear Energy Research*

Yuan-Hsiang Ho | *The Institute of Nuclear Energy Research*

ACEAIT-7611

Assessment of Upgrading Premise Wiring Systems from Single-Phase 2-Wire to Single-Phase 3-Wire System

Rih-Neng Liao | *National Taiwan University of Science and Technology*

Tsai-Hsiang Chen | *National Taiwan University of Science and Technology*

ACEAIT-7610

Assessment of Maximum Allowable Capacity of EVs along a Distribution Feeder

Tsai-Hsiang Chen | *National Taiwan University of Science and Technology*

Rih-Neng Liao | *National Taiwan University of Science and Technology*

ACEAIT-7543

Visual Imaging Technology for Urban Flood Monitoring and Warning Applications

Lun-Chi Chen | *National Center for High-Performance Computing*

Chien-Hao Tseng | *National Center for High-Performance Computing*

Fang-Pang Lin | *National Center for High-Performance Computing*

Jyh-Horng Wu | *National Center for High-Performance Computing*

ACEAIT-7424

Effects of Virtual Reality Presentation Media on Operator Learning Performance in the Main Control Room of the Nuclear Power Plant

Chiuhsiang Joe Lin | *National Taiwan University of Science and Technology*

Rou-Wen Wang | *Chung-Yuan Christian University*

Chih-Wei Yang | *Institute of Nuclear Energy Research*

ACEAIT-7505

Durability of Sprayed Concrete with a High Initial Air Content

Kyong-Ku Yun | *Kangwon National University*

Jin-Wook Jo | *Kangwon National University*

Seung Yeon Han | *Kangwon National University*

Kyeo-Re Lee | *Kangwon National University*

Kyong Namkung | *Kangwon National University*

