

Conference Program

July 19-21, 2016
Hokkaido, Japan

GCEAS

Global Conference on Engineering and Applied
Science

ACCMES

Asian Conference on Civil, Material and
Environmental Sciences

ISBENS

International Symposium on Biological Engineering
and Natural Sciences

CONFSS

International Conference on Social Science

BREFM

International Business Research, Economics, Finance
and MIS Conference

GCEAS

Global Conference on Engineering and Applied Science

ISBN 978-986-5654-24-5

ACCMES

Asian Conference on Civil, Material and Environmental Sciences

ISBN 978-986-89298-0-7

ISBENS

International Symposium on Biological Engineering and Natural Sciences

ISBN 978-986-89536-7-3

CONFSS

International Conference on Social Science

ISBN 978-986-5654-29-0

BREFM

International Business Research, Economics, Finance and MIS Conference

ISBN 978-986-90827-0-9

General Information for Participants	6
International Committees	8
International Committee of GCEAS	8
International Committee of ACCMES	10
International Committee of ISBENS	11
International Committee of CONFSS	12
International Committee of BREFM	14
Conference Venue Information	15
Conference Schedule	18
Social Sciences Keynote Speech	23
Workshop	23
Oral Sessions	28
Biological Engineering & Natural Science (1)	28
Environmental Sciences (1)	30
Computer and Information Sciences (1)	31
Business & Economics (1)	33
Management & Law (1)	34
Finance & Accounting (1)	36
Education (1) & Philosophy	38
Literature and Linguistics	39
Environmental Sciences (2)	40
Civil Engineering (1)	41
Education (2) & Society (1)	43
Chemical Engineering (1)	44
Mechanical Engineering (1)	45
Civil Engineering (2)	46
Management (2), Finance & Accounting (2)	47
Biological Engineering & Natural Science (2)	48
Fundamental and Applied Sciences (1) & Electrical and Electronic Engineering (1)	50
Material Science and Engineering (1)	52
Management (3) & Marketing	54
Education (3) & Culture	55
Environmental Sciences (3)	56

Computer and Information Sciences (2).....	58
Management (4)	59
Mechanical Engineering (2)	60
Environmental Sciences (4)	61
Civil Engineering (3)	63
MIS-Management Information System & Computer and Information Sciences (3)	65
Chemical Engineering (2).....	66
Environmental Sciences (5)	67
Civil Engineering (4)	69
Economics (2).....	71
Biological Engineering & Natural Science (3).....	72
Fundamental and Applied Sciences (2).....	73
Material Science and Engineering (2).....	74
Finance & Accounting (3)	76
Society (2), Psychology & Politics	77
Electrical and Electronic Engineering (2)	78
Civil Engineering (5), Material Science and Engineering (3) & Mechanical Engineering (3)	79
Poster Session (1)	81
Education/ Management/ Economics/ Finance & Accounting/ Marketing/ Biological Engineering & Natural Science (1).....	81
Poster Session (2)	87
Material Science and Engineering / Computer and Information Sciences (1)..	87
Poster Session (3)	93
Biological Engineering & Natural Science (2)/ Geosciences and Petroleum Engineering.....	93
Poster Session (4)	99
Environmental Sciences/ Mechanical Engineering	99
Poster Session (5)	106
Civil Engineering/ Electrical and Electronic Engineering / Fundamental and Applied Sciences (1).....	106
Poster Session (6)	112

**Chemical Engineering/ Biological Engineering & Natural Science (3) /
Fundamental and Applied Sciences (2)/ Computer and Information Sciences (2)**
..... **112**

General Information for Participants

■ **Registration**

The registration desk will be situated on the **B1 Floor** at the **Premier Hotel Tsubaki Sapporo** during the following time:

08:00-17:30 Wednesday, July 20, 2016

08:30-17:00 Thursday, July 21, 2016

■ **Organizer**



Higher Education Forum (HEF)

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



■ **A Polite Request to All Participants**

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



Certificate

Certificate of Presentation or Certificate of Attendance

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

Certificate Distribution

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

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

Preparation for Oral Presentations

All presentation rooms are equipped with a screen, an LCD projector, and a laptop computer installed with Microsoft PowerPoint. You will be able to insert your USB flash drive into the computer and double check your file in PowerPoint. We recommend you to bring two copies of the file in case that one fails. You may also connect your own laptop to the provided projector; however please ensure you have the requisite connector.

Preparation for Poster Presentation


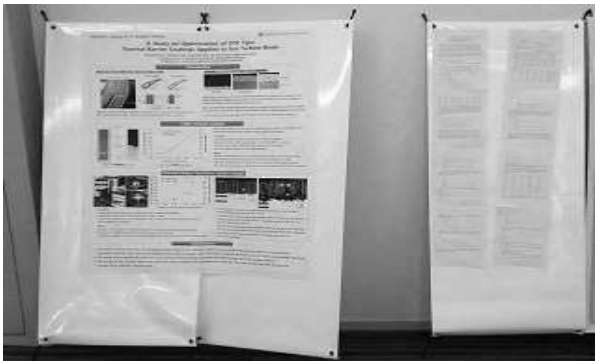
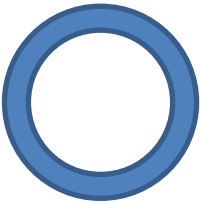

Materials Provided by the Conference Organizer:

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

Materials Prepared by the Presenters:

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



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

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Conference Venue Information

Premier Hotel Tsubaki Sapporo

Telephone: +81-11- 821-1111

Fax: +81-11- 842-6191

Address: 1 1 Toyohira R Jo 1 Chome, Toyohira-ku, Sapporo 062-0904 Japan

Premier Hotel Tsubaki Sapporo is located in the gateway city of Sapporo in the northern state of Hokkaido. This luxury hotel is overlooking the Toyohira River and is within a short walking distance to the central business district, the famous Susikono entertainment district and shopping areas.

Transportation

From NEW CHITOSE AIRPORT

1. By Bus

Take Airport shuttle bus (about 60 minutes) and get off at "Premier Hotel -TSUBAKI"

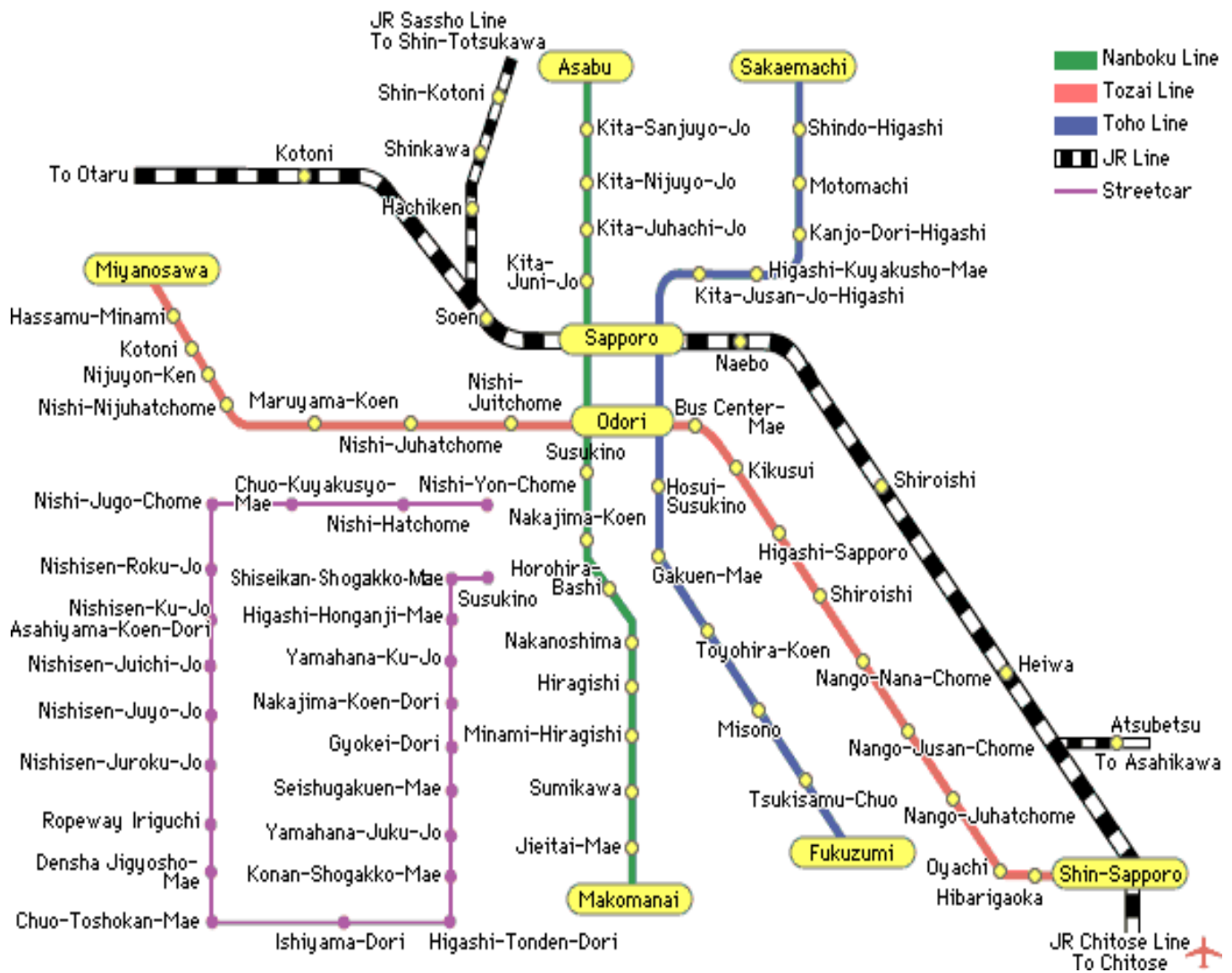
HOKUTO KOTSU Timetable

2. By JR (Railway)

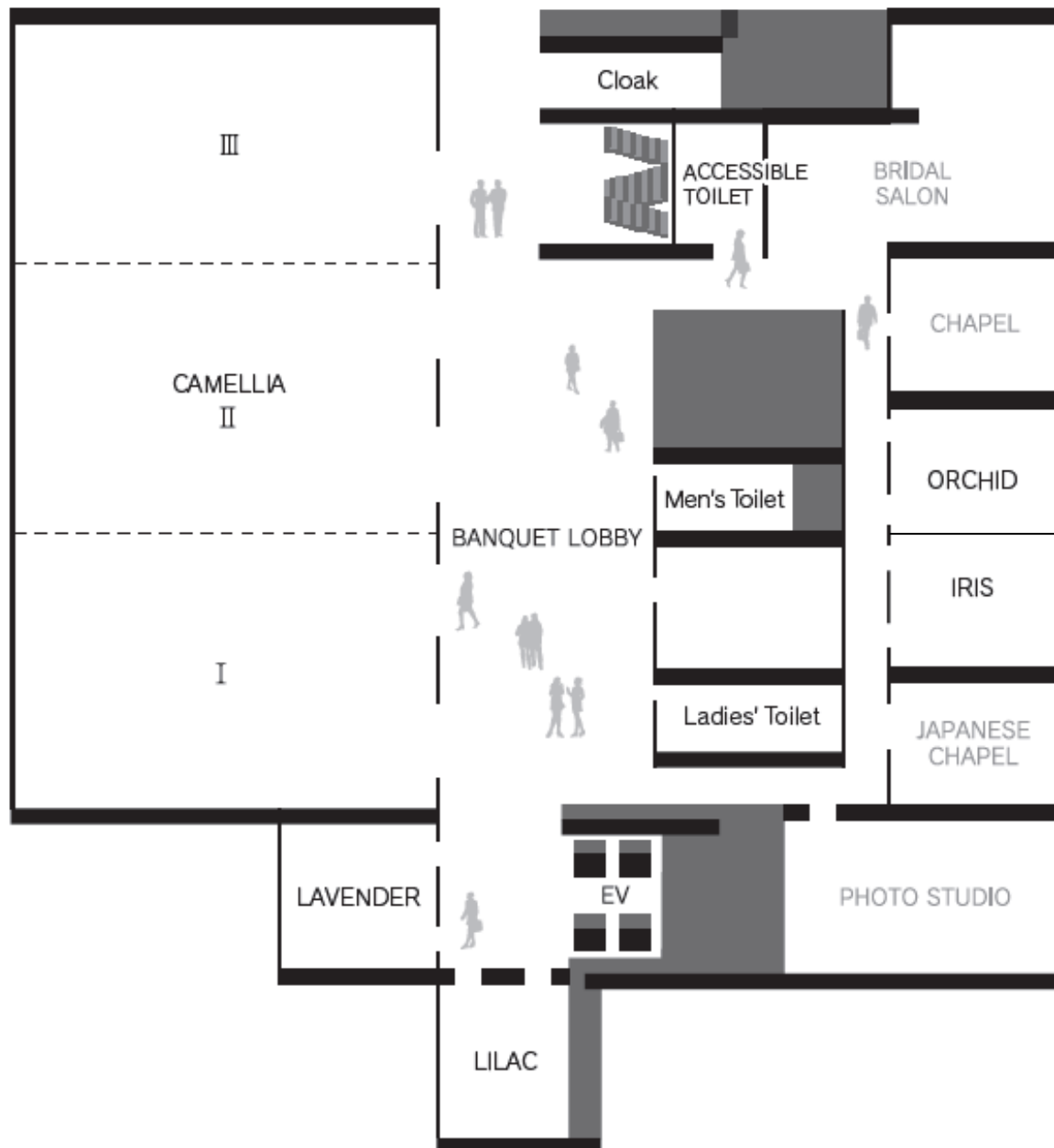
- 1) JR(about 40 minutes) "Sapporo station", a 10-minute taxi ride
- 2) JR(about 40 minutes) "Sapporo station", transfer to "Toho Line" and get off at "Hosui-Susukino" station, a 13 minutes walk from Exit 3



Sapporo City Subway Map



Floor Map (B1 Floor)



Conference Schedule

Tuesday, July 19, 2016

Executive Meeting(Executive Committee Only)

Wednesday, July 20, 2016

Oral Session (B1 Floor)

Time	Schedule	Venue
08:00-17:30	Registration	Foyer Area
08:45-10:15	<u>Social Science Keynote Speech</u> Dr. Malcolm Sim Topic: "English-Medium Education in Japan: Insights from an International Liberal Arts University"	Lavender
	Biological Engineering & Natural Science (1)	Lilac
	Environmental Sciences (1)	Orchid
	Computer and Information Sciences (1)	Iris
10:15-10:30	Tea Break & Networking	Foyer Area
10:30-12:00	<u>Workshop</u> Assoc. Prof. Chee-Ming Chan & Assoc. Prof. Alina Shamsuddin Topic: "Engineering Education: Curriculum Design, Delivery And Assessment For Effective Learning"	Lavender
	Business & Economics (1)	Lilac
	Management & Law (1)	Orchid
	Finance & Accounting (1)	Iris
12:00-13:00	Lunch	Camellia

Wednesday, July 20, 2016

Oral Session (B1 Floor)

Time	Schedule	Venue
13:00-14:30	Education (1) & Philosophy	Lavender
	Literature and Linguistics	Lilac
	Environmental Sciences (2)	Orchid
	Civil Engineering (1)	Iris
14:30-14:45	Tea Break & Networking	Foyer Area
14:45-16:15	Education (2) & Society (1)	Lavender
	Chemical Engineering (1)	Lilac
	Mechanical Engineering (1)	Orchid
	Civil Engineering (2)	Iris
16:15-16:30	Tea Break& Networking	Foyer Area
16:30-18:00	Management (2) & Finance & Accounting (2)	Lavender
	Biological Engineering & Natural Science (2)	Lilac
	Fundamental and Applied Sciences (1) & Electrical and Electronic Engineering (1)	Orchid
	Material Science and Engineering (1)	Iris

Wednesday, July 20, 2016

Poster Session (Foyer Area, B1 floor)

Time	Schedule
09:30-10:30	Poster Session (1)
	Education/ Management/ Economics/ Finance & Accounting/ Marketing/ Biological Engineering & Natural Science (1)
13:30-14:30	Poster Session (2)
	Material Science and Engineering/ Computer and Information Sciences (1)
15:00-16:00	Poster Session (3)
	Biological Engineering & Natural Science (2)/ Geosciences and Petroleum Engineering
16:30-17:30	Poster Session (4)
	Environmental Sciences/ Mechanical Engineering

Thursday, July 21, 2016		
Oral Session (B1 Floor)		
Time	Schedule	Venue
08:30-17:00	Registration	Foyer Area
08:45-10:15	Management (3) & Marketing	Lavender
	Education (3) & Culture	Lilac
	Environmental Sciences (3)	Orchid
	Computer and Information Sciences (2)	Iris
10:15-10:30	Tea Break & Networking	Foyer Area
10:30-12:00	Management (4)	Lavender
	Mechanical Engineering (2)	Lilac
	Environmental Sciences (4)	Orchid
	Civil Engineering (3)	Iris
12:00-13:00	Lunch	Camellia
13:00-14:30	MIS-Management Information System & Computer and Information Sciences (3)	Lavender
	Chemical Engineering (2)	Lilac
	Environmental Sciences (5)	Orchid
	Civil Engineering (4)	Iris
14:30-14:45	Tea Break & Networking	Foyer Area
14:45-16:15	Economics (2)	Lavender
	Biological Engineering & Natural Science (3)	Lilac
	Fundamental and Applied Sciences (2)	Orchid
	Material Science and Engineering (2)	Iris
16:15-16:30	Tea Break & Networking	Foyer Area
16:30-18:00	Finance & Accounting (3)	Lavender
	Society (2), Psychology & Politics	Lilac
	Electrical and Electronic Engineering (2)	Orchid
	Civil Engineering (5), Material Science and Engineering (3) & Mechanical Engineering (3)	Iris

Thursday, July 21, 2016	
Poster Session (Foyer Area, B1 floor)	
Time	Schedule
09:30-10:30	Poster Session (5)
	Civil Engineering /Electrical and Electronic Engineering / Fundamental and Applied Sciences (1)
11:00-12:00	Poster Session (6)
	Chemical Engineering/ Biological Engineering & Natural Science (3) / Fundamental and Applied Sciences (2)/ Computer and Information Sciences (2)

Social Sciences Keynote Speech

Lavender

08:45-10:15 Wednesday July 20 , 2016

Topic:

English-Medium Education in Japan: Insights from an International Liberal Arts University

Dr. Malcolm Sim

Assistant Professor
Faculty of International
Liberal Arts
Akita International University
Japan



Introduction of Dr. Malcolm Sim:

Dr. Malcolm Sim is currently an Assistant Professor in the faculty of international liberal arts at Akita International University (AIU), Japan. Since arriving at AIU in early 2014 he has taught on a range of subjects in the English for Academic Purposes (EAP) program (Advanced Speaking & Listening/EAP106 and Advanced Research Writing/ENG150) and is currently teaching several others in the Basic Education (BE) program (Introduction to English Studies/ENG120 and Speech Communication-Social Pragmatics/ENG102). Dr. Sim has been involved in language education for 18 years and has worked both in Australia (6 years) and Japan (12 years); the majority of this time employed at the university level. He has a strong interest in second language acquisition (particularly the role of affective factors), social pragmatics, psycholinguistics, multilingualism, learner autonomy, learner beliefs, teacher education, and curriculum design. In the years ahead, besides maintaining a strong interest in TESOL, Dr. Sim plans to continue teaching and developing a range of skills and content-based subjects that will deliver applied content to a diverse range of students. He is inspired by research that holds the potential for the eventual development of refined methods and practices

that may be utilized in the language classroom and beyond; efforts that may ultimately assist with practical theory, tools and exercises that teachers and students can employ to further their professional and personal goals. Dr. Sim, as someone involved in education, believes helping others to achieve their full potential is truly the ultimate reward.

Abstract:

The popularity and number of English as a medium of instruction (EMI) programs within the higher education sector in Japan continues to rise. In fact, there are a growing number of universities in Japan offering complete undergraduate programs taught entirely in English; with more on the way. This is partly reflective of a much larger world-wide trend whereby local instructional languages are being replaced, or at the very least supplemented, by EMI. The expansion in Japan is also due to the many internal pressures and realities of the Japanese higher education system. As seen in the work of Brown (2014) the rise of EMI within this environment is driven by a number of factors including a determined and wide-ranging government push for internationalization of the sector, an array of social pressures and, more recently, the increasing popularity of Japan as a destination for foreign students. Whilst EMI's rise in Japan on a macro-level is fascinating and worthy of continuing attention, what of the micro-perspective? What are the important elements of already established, and apparently successful, EMI initiatives in Japan? Are there any lessons that can be learned from institutions that have been actively engaged in EMI for many years? What challenges and risks does EMI face moving forward? And in what ways can preparatory English language programs support and enhance the objectives of EMI curriculums?

This presentation will attempt to shed some light on the aforementioned questions. It will explore the concept of EMI through the findings of a small exploratory study among the teaching faculty at one of Japan's premier EMI institutions, and a member of the Super Global University grouping. The study, similar in nature to research by Kim (2014), examines the findings from a questionnaire that gained input from a wide cross-section of the experienced Japanese and multinational faculty at this international liberal arts university; an institution that has utilized EMI across its entire content-based curriculum since 2004. It explores the issues of English language and related academic skills proficiency required in an EMI environment and how increasing numbers of international students are affecting the cultural and pedagogical dynamics of various programs. Important aspects of EMI, including the importance of cross-departmental engagement in fostering

student development, among others, are discussed. Finally, based on the extensive feedback of the faculty members, it suggests a number of important areas of potential refinement that, if implemented, could ultimately lead to even more successful outcomes for all stakeholders involved in EMI-based education in Japan.

Workshop

Lavender

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

Topic:

***Engineering Education: Curriculum Design, Delivery
And Assessment For Effective Learning***

Chee-Ming Chan (PhD, Sheffield UK)

Associate Professor

Deputy Dean (Academic & Research)

Centre for Graduate Studies

Faculty of Engineering Technology (Geotech. Eng.)

Universiti Tun Hussein Onn Malaysia



Alina Shamsuddin (PhD, Strathclyde UK)

Associate Professor

Deputy Dean (Teaching, Learning & Academic
Training)

Centre for Academic Development & Training / Faculty
of Technology Management & Business

Universiti Tun Hussein Onn Malaysia



This workshop aims at giving an overview of the transformation of engineering programmes teaching in innovative ways but adhering to predetermined learning outcomes in an organized, structured manner. The systematic development and execution of the curriculum would ensure effective learning on the part of the students, and effective teaching on the part of the lecturer. Following is the outline of the workshop.

Keywords: learning outcomes, curriculum structure, delivery methods, assessment

Curriculum Design

1. Traditional vs. structured delivery approach
2. Four steps in curriculum design
3. Curriculum structure development
4. Needs analysis
5. Sustainability of programme

Curriculum Delivery

6. Planning of delivery
7. Delivery techniques
8. Student assessment
9. Programme evaluation

Relationship Between Learning & Assessment

10. Learning domains
11. Purpose of assessment
12. Aligning assessment with learning outcomes
13. Grading LEARNING STYLES & STUDENTS' PERFORMANCE
14. Definitions
15. Case study

Biological Engineering & Natural Science (1)

Wednesday, July 20, 2016

08:45-10:15

Lilac

Session Chair: *Prof. Yaw-Ling Lin*

ISBENS-25273

Metagenomic Sequencing Analysis in Human Oral Microbiome Related with Apical Periodontitis

Wen-Pei Chen | *Providence University*

Suh-Jen Jane Tsai | *Providence University*

Jieh-Shan Yeh | *Providence University*

Che-Lun Hung | *Providence University*

Yaw-Ling Lin | *Providence University*

Ming-Li Liou | *Yuanpei University*

ISBENS-24176

Xanthine Oxidase Inhibitors from the Pericarps of *Garcinia dulcis* (Roxb.) Kurz. and Their Molecular Docking Study

Thongchai Khammee | *Phranakhon Rajabhat University*

Amornmart Jaratrungtawee | *Bruker Biospin AG*

Mayuso Kuno | *Srinakharinwirot University*

Sunit Suksamrarn | *Srinakharinwirot University*

ISBENS-24186

Preferential Regulation of the Akt/PKB Survival Pathway by *Gundelia tournefortii* L. Confers Anti-Proliferative Effect on Cancer Cells and Cytoprotection Against Oxidative Stress in Normal Human Fibroblasts

Glenn Gallego Oyong | *De La Salle University*

Maria Carmen Salandanan Tan | *De La Salle University*

Saeed Karami Ishghlo | *Payam e Noor University of Bukan*

Esperanza Chua Cabrera | *De La Salle University*

ISBENS-24207**Metal Organic Framework MOF199/GOx Nanocomposite for Simulated Salivary Glucose Detection in Diabetic Patients**

Halina Misran | *National Energy University (UNITEN)*

N. F. S. Anuar | *National Energy University (UNITEN)*

N. F. Mahadi | *National Energy University (UNITEN)*

S. Z. Othman | *National Energy University (UNITEN)*

ISBENS-24166**The Effect of Grafted Heparin on the Surface of Blend Membrane Citric Acid Cross-Linked Chitosan -PVA/PEG: Creatinine Transport**

Retno Ariadi Lusiana | *Diponegoro University*

Ginajar Argo Pambudi | *Diponegoro University*

Environmental Sciences (1)

Wednesday, July 20, 2016

08:45-10:15

Orchid

Session Chair: *Prof. Jin Yong Park*

ACCMES-2318

Effect of pH and Polypropylene Beads in Hybrid Water Treatment Process of Carbon Fiber UF and PP Beads with Water Back-Flushing

Jin Yong Park | *Hallym University*

Sungwon Song | *Hallym University*

ACCMES-2321

Fermentative Production of Volatile Fatty Acids from Food Waste Leachate and Potential as a Denitrification Carbon Source

Hakchan Kim | *Ulsan National Institute of Science and Technology (UNIST)*

Jaai Kim | *Ulsan National Institute of Science and Technology (UNIST)*

Changsoo Lee | *Ulsan National Institute of Science and Technology (UNIST)*

ACCMES-2325

Associations of Dengue Fever Cases with Air Pollutants and Environmental Factors in Southern Taiwan during 2011-2015

Wei-Jung Tseng | *National Pingtung University of Science and Technology*

Yi-Wen Liao | *Chia Nan University of Pharmacy & Science*

How-Ran Chao | *National Pingtung University of Science and Technology*

ACCMES-2349

Applications of Environmental Friendly Concrete in Thailand

Thanudkij Chareerat | *Ubon Ratchathani University*

Prinya Chindaprasirt | *Khon Kaen University*

Shigemitsu Hatanaka | *Mie University*

ACCMES-2364

Remediation of TPHs-Contaminated Soils Using a Chemical Oxidation Alternative

Shyi-Tien Chen | *National Kaohsiung First University of Science and Technology*

Wei-Ping Huang | *National Kaohsiung First University of Science and Technology*

Computer and Information Sciences (1)

Wednesday, July 20, 2016

08:45-10:15

Iris

Session Chair: *Prof. Ping Ji*

GCEAS-421

Recommending a Peer Reviewer Automatically

Ping Ji | *The Hong Kong Polytechnic University*

Jian Jin | *Beijing Normal University*

GCEAS-460

User-Innovated Product Planning: Leveraging User Innovation Communities in Quality Function Deployment

Jieun Kim | *Seoul National University*

Yeonseon Park | *Seoul National University*

Yongtae Park | *Seoul National University*

GCEAS-471

Prioritized Video Distribution on Content Delivery Networks Using Layer Coding

Wei-Lune Tang | *National Taipei University of Technology*

Shih-Hsuan Yang | *National Taipei University of Technology*

GCEAS-479

How to Utilize Lead User Communities as a Source of New Product Ideas: Case-Based Reasoning

Mintak Han | *Seoul National University*

Minkyu Kim | *Seoul National University*

Yongtae Park | *Seoul National University*

GCEAS-604

Similarity-Based Weighted Head-Shoulder Detection

Chiao-Chien Huang | *National Chung Cheng University*

Chih-Yang Lin | *Asia University*

Wei-Yang Lin | *National Chung Cheng University*

GCEAS-652

A Note Correcting “System Reliability Results” in a Review of the Literature

Wheyming Tina Song | *National Tsing Hua University*

Business & Economics (1)

Wednesday, July 20, 2016

10:30-12:00

Lilac

Session Chair: *Prof. Thang Nhut Nguyen*

CONFSS-5162

An Application of the Analytic Hierarchy Process in Local Identity Selection for Local Product Development

Kasem Kunasri | *Chiang Mai Rajabhat University*

Sombat Singkharat | *Chiang Mai Rajabhat University*

Chanita Panmanee | *Maejo University*

CONFSS-5163

Factors Influencing Consumer Purchasing Behavior towards Northern Thai Food Chiang Mai Province, Thailand

Pacharaporn Arkornsakul | *Chiang Mai Rajabhat University*

Woraphon Yamaka | *Chaing Mai University*

CONFSS-5192

Alternative Logistics Systems of Rice in the Northern of Thailand

Chanita Panmanee | *Maejo University*

Kasem Kunasri | *Chiang Mai Rajabhat University*

Roengchai Tansuchat | *Chaing Mai University*

CONFSS-5220

Chronic Disease and Employment

Chun-Chih Chen | *National Taipei University*

BREFM-2012

Insights from Science into Business for Corporate Fiasco Prevention

Thang Nhut Nguyen | *California State University Long Beach*

BREFM-3530

Deconstructing Global Research Barriers: Creating New Internal Applications for Graduate Global Business Research

Bob Barrett | *American Public University*

Management & Law (1)

Wednesday, July 20, 2016

10:30-12:00

Orchid

Session Chair: *Prof. Ching-Han Kao*

CONFSS-5216

Shareholders' Duties to the Company

Ernest Lim | *University of Hong Kong*

CONFSS-5172

Verification of Self-Determination Motivation Mode of Employee's Suggestions

Jui-Chih Ho | *National Taichung University of Science and Technology*

Chi-Tung Tsai | *National Changhua University of Education*

Jau-Chuan Ke | *National Taichung University of Science and Technology*

Ling-E Chang | *National Taichung University of Science and Technology*

CONFSS-5188

A Study of Kansei Oriented Innovation Reasoning Approach in Furniture Design

Ching-Han Kao | *Ming Chi University of Technology*

I-Hsin Fan | *National United University*

Ching-Kai Chen | *Ming Chi University of Technology*

CONFSS-5190

Hospitality Services Source of Talent, Recruiting Channel and Incentives Mechanism – A Case Study of the Taiwanese Restaurant

Ya-Jiun Yang | *National Changhua University of Education*

Tsang-Kai Hung | *National Changhua University of Education*

CONFSS-5191

Evaluate the Effectiveness of Employee's Education and Training Based on the Kirkpatrick Four-level Model - A Case Study of Taiwanese Electronic Company

Ying-Ju Liao | *National Changhua University of Education*

Tsang-Kai Hung | *National Changhua University of Education*

BREFM-30

The Antecedents of Online Browsing Behavior

Hsiu-Hua Cheng | *Chaoyang University of Technology*

Chih-Hao Lien | *Chaoyang University of Technology*

Finance & Accounting (1)

Wednesday, July 20, 2016

10:30-12:00

Iris

Session Chair: *Prof. So-De Shyu*

BREFM-2011

Optimal Transfer Pricing under Expected Penalty Framework and the Empirical Evidence

So-De Shyu | *Takming University of Sciences and Technology*

Jen-Jsung Huang | *Natioinal Sun Yat-Sen University*

Huo-Lien Tsai | *Natioinal Sun Yat-Sen University*

BREFM-3512

The Mediating Role of Auditors on Corporate Governance Mechanisms and Firm Performance

Waewdao Promsen | *Rajamangala University of Technology Lanna*

Wachira Boonyanet | *Chalalongkorn Business School*

BREFM-3515

The Perception of Auditors on Key Audit Matters before Adopting the Revised ISA 700

Chayanut Metkinakorn | *EY Office Limited*

Wachira Boonyanet | *Chalalongkorn Business School*

BREFM-13

Compound Option Pricing under a Double Exponential Jump-Diffusion Model

Yuhong Liu | *National Cheng Kung University*

Wei-Tze Hsu | *National Cheng Kung University*

BREFM-2008

Board Incentives and CEO Compensation: Evidence from the 1999 Financial Services Modernization Act (Gramm-Leach-Bliley Act)

I-Ju Chen | *Yuan Ze University*

Hsinyu Liang | *Feng Chia University*

Jia-Ying Lin | *Yuan Ze University*

BREFM-3488

Currency Option Pricing under Stochastic Interest Rates and Extended Normal Distribution

Yu-Chen Lin | *National Cheng Kung University*

Yu-Hong Liu | *National Cheng Kung University*

Ya-Hsin Hung | *National Cheng Kung University*

Education (1) & Philosophy

Wednesday, July 20, 2016

13:00-14:30

Lavender

Session Chair: *Prof. Yao Tang*

CONFSS-5164

The Study of Older Adults' Service Learning and Empowerment: Perspectives of Social Capital

Jing-Yi Lu | *National Chung Cheng University and Continuing Education and Advanced Institute of Manufacturing with High-tech Innovations*

Ya-Hui Lee | *National Chung Cheng University*

CONFSS-5168

What Is the Appropriate Approach of Teaching Critical Thinking?

Kwong Yiu Leung | *The University of Hong Kong*

CONFSS-5174

The Construction of Campus Cultural Heritage Indicators and the Case Study

Yao Tang | *National Cheng Kung University*

Chih-Hsiang Weng | *National Cheng Kung University*

Chun-Hao Cheng | *Huafan University*

CONFSS-5180

A Study of Undergraduate Student Responses to Fraudulent Email

Chi Kuen Wong | *Hong Kong Baptist University*

CONFSS-5277

Creating Meaningful Student Feedback with Social Media and Web Tools

Bob Barrett | *American Public University*

Literature and Linguistics

Wednesday, July 20, 2016

13:00-14:30

Lilac

Session Chair: *Prof. Lillian M. Huang*

CONFSS-5147

Teaching Contrastive Language Studies of English and Chinese to Students of Translation

Wai-Man Ng | *The Hong Kong Polytechnic University*

CONFSS-5167

Politeness in Translation: Representation of Japanese Honorific/Formal/Plain Forms in Cantonese Dubbing

Pei Chun Shih | *The Hong Kong Polytechnic University*

CONFSS-5211

When Love Leaks out: A Course Design for Teaching Medea

Yung-Chih Cheng | *National Dong-Hwa University*

CONFSS-5230

Strategies for Teaching Indigenous Languages to Preschoolers in Taiwan: A Case of Language Immersion

Hsuan-Chen Chou | *Kun Shan University*

CONFSS-5237

A Study of Indigenous Language Materials in Taiwan

Lillian M. Huang | *Shih Chien University*

Environmental Sciences (2)

Wednesday, July 20, 2016

13:00-14:30

Orchid

Session Chair: Mr. *Sung-Kyun Shin*

GCEAS-482

Vertical Distribution and Columnar Optical Properties of Springtime Aerosols over Gwangju, Korea

Sung-Kyun Shin | *Gangneung-Wonju National University*

Kwon-Ho Lee | *Gangneung-Wonju National University*

GCEAS-429

Trends in Maximum Temperatures in Australia from 1990 to 2012

Suree Chooprateep | *Chiang Mai University*

Kanoktip Nimitkiatklai | *Chiang Mai University*

GCEAS-467

Environmental Education Content Introduction in Taiwan Primary and Secondary Schools

Chang Mao Lee | *Da-Yeh University*

Ching Hwa Lee | *Da-Yeh University*

GCEAS-473

Improved Bioelectricity Production in Microbial Fuel Cells Using Modified Chitosan Proton Exchange Membranes

Shima Latoya Holder | *Da-Yeh University*

Ching Hwa Lee | *Da-Yeh University*

Srinivasa Rao Popuri | *The University of the West Indies, Cave Hill Campus*

Civil Engineering (1)

Wednesday, July 20, 2016

13:00-14:30

Iris

Session Chair: *Prof. Chin-Tung Cheng*

GCEAS-555

The Theoretical and Numerical Study on a Shoreline Change due to Double Headland Construction

Muhammad Shoaib | *Sungkyunkwan University*

Dong Hee Kim | *Sungkyunkwan University*

Jung Lyul Lee | *Sungkyunkwan University*

GCEAS-635

Road Development Strategy Based on Potential Agricultural Sector(Study Case : Kendari City, South East Sulawesi Province, Indonesia)

Adris Ade Putra | *Halu Oleo University*

Susanti Djalante | *Halu Oleo University*

Muh Arsyad | *Halu Oleo University*

ACCMES-2249

Applicability of High Organic Content Sludge Ashes Used as Fine Aggregates of Controlled Low Strength Materials

Cheng-Jung Wang | *National Taipei University of Technology*

Ming-Sheng Ko | *National Taipei University of Technology*

ACCMES-2266

Leaching and Compressive Strength of Geopolymer from the Mixing of Lateritic soil and High Calcium Fly Ash

Charoenchai Ridtirud | *Rajamangala University of Technology ISAN Khon Kaen Campus*

Prinya Chindaprasirt | *Khon Kaen University*

ACCMES-2297

Seismic performance of Rocking Base-isolated Structures Subjected to Biaxial Earthquake Loads

Chin-Tung Cheng | *National Kaohsiung First University of Science and Technology*

Wei-Zhe Kang | *National Kaohsiung First University of Science and Technology*

ACCMES-2253

Simulation of Laminar Vortex Shedding Flow Past Cylinders Using an Immersed-Boundary Method

D. C. Lo | *National Kaohsiung Marine University*

C-P Lee | *National Sun Yat-sen University*

I-F Lin | *National Sun Yat-sen University*

Education (2) & Society (1)

Wednesday, July 20, 2016

14:45-16:15

Lavender

Session Chair: *Prof. Anita Y.K. Poon*

CONFSS-5176

Experience of Practice Transnational Intergenerational Program: A Study of Singapore Volunteers Empowerment

Ya-Hui Lee | *National Chung Cheng University*

Hsin-Yi Huang | *National Chung Cheng University*

CONFSS-5182

A Study on the Effectiveness of Intergenerational Learning Program on the Attitudes toward the Elderly for Elementary School Students

Ya-Hui Lee | *National Chung Cheng University*

Chin-Yu Chou | *National Chung Cheng University*

CONFSS-5183

The Practical Experience of Cross-Country Education Program: The Motivation of Participating Singapore Volunteer Work

Ya-Hui Lee | *National Chung Cheng University*

Yi-Kuan Lin | *National Chung Cheng University*

CONFSS-5203

From CLIL (Content and Language Integrated Learning) to LAC (Language across the Curriculum): A Case Study in Search of an Effective Form of Instruction for Content-Based Subjects Taught in a Second Language

Anita Y.K. Poon | *Hong Kong Baptist University*

CONFSS-5185

"Questions" of Female Masturbation Experience behind Implied Gender, Knowledge and Power

Yu Ying He | *National Kaohsiung Normal University*

Chemical Engineering (1)

Wednesday, July 20, 2016

14:45-16:15

Lilac

Session Chair: *Prof. Siriwan Srisorrachatr*

GCEAS-433

Adsorptive Removal of Metal Ions from Solution by Bamboo Charcoal

Siriwan Srisorrachatr | *Srinakharinwirot University*

Chairode Satapimonphan | *Srinakharinwirot University*

Nattapachr Chotkhunnavat | *Srinakharinwirot University*

GCEAS-490

Measurement of Indirect Carbon Dioxide Emissions in the Islamic University of Indonesia – An Energy Management

Sukirman | *Islamic University of Indonesia, Yogyakarta*

Sholeh Ma'mun | *Islamic University of Indonesia, Yogyakarta*

GCEAS-494

Linoleic Acid Recovery from Sunflower Seed Using Membrane-Based Solvent Extraction

Tippabust Eksangsri | *Thammasat University*

GCEAS-514

Implementation of SOFT Model for the Solubility of Carbon Dioxide in Aqueous 2-((2-Aminoethyl)amino)ethanol Solution

Sholeh Ma'mun | *Islamic University of Indonesia, Yogyakarta*

Dalyono | *Islamic University of Indonesia, Yogyakarta*

Tuasikal M. Amin | *Islamic University of Indonesia, Yogyakarta*

GCEAS-618

Lipase Immobilization on Chitosan/Graphene Composite Membrane for Application in Membrane Bioreactor

Chung-Jung Chou | *Chung Yuan Christian University*

Wei-Song Hung | *Chung Yuan Christian University*

Yu-De Chen | *Chung Yuan Christian University*

Mechanical Engineering (1)

Wednesday, July 20, 2016

14:45-16:15

Orchid

Session Chair: *Prof. Shun-Chang Chang*

GCEAS-420

Nonlinear Dynamics and Control in a Magnetic Levitation System

Shun-Chang Chang | *Da-Yeh University*

Jui-Feng Hu | *Da-Yeh University*

GCEAS-428

Experimental Test of a Gamma Type Stirling Engine

Fung-Bao Liu | *I-Shou University*

Cheng-Feng Hu | *National Chaiyi University*

Fu-Ren Li | *I-Shou University*

GCEAS-438

Free Vibrations of Bay-Type Frame Structures

Hai-Ping Lin | *Da-Yeh University*

Kuo-Hsiang Chen | *Da-Yeh University*

GCEAS-463

Thermal Behavior Investigation of Cascode GaN HEMTs in Parallel Operation

Hsin-Ping Chou | *National Chiao Tung University*

Stone Cheng | *National Chiao Tung University*

GCEAS-465

Imperfect Micro-Ring Gyro with Thermo-Elastic Damping

Ji-Hwan Kim | *Seoul National University*

Seok-Joo Kang | *Seoul National University*

GCEAS-504

Meshless Methods and Image Matching Technique Using SIFT for Full Field Strain Measurement: Simulation Approach

Attaphon Chaimanatsakun | *Sriracha Kasetsart University*

Prapot Kunthong | *Kasetsart University*

Civil Engineering (2)

Wednesday, July 20, 2016

14:45-16:15

Iris

Session Chair: *Prof. Hsien Hua Lee*

ACCMES-2237

Green Concrete for Sustainable Indonesia Structures - Lightweight Concrete Using Oil Palm Shell (OPS) AS Coarse Aggregate with SUPERPLASTICIZER and Fly Ash

Feny Acelia Silaban | *Universitas Indonesia*

ACCMES-2278

An Experimental Study on the Adsorption and Desorption Mechanism of Exchangeable Cations for Soils

Kanpei Ono | *Tokai University*

Shigeo Honma | *Tokai University*

ACCMES-2283

An Innovative Damping System for the Seismic Mitigation of Structures

Hsien Hua Lee | *National Sun Yat-sen University*

C.-W. Cheng | *Taiwan International Ports Corporation*

ACCMES-2294

Downstream Interference Effects between Two Identical Square Buildings under Turbulent Boundary Layer Flow

Yuan-Lung Lo | *Tamkang University*

Yong Chul Kim | *Tokyo Polytechnic University*

ACCMES-2299

An Ontology of Analyzing Information Requirements for Managing Construction Projects with BIM: A Case Study of the Electrical Work

Chung-Wei Feng | *National Cheng Kung University*

Ya-Ting Ho | *National Cheng Kung University*

Management (2), Finance & Accounting (2)

Wednesday, July 20, 2016

16:30-18:00

Lavender

Session Chair: *Prof. Chen-Sung Chang*

CONFSS-5201

**Monographic Research of Succession Planning in Expansion Overseas Enterprise —
A Case Study Method of the Taiwanese Hotel**

I-Chi Lin | *National Changhua University of Education*

Tsang-Kai Hung | *National Changhua University of Education*

CONFSS-5142

Leadership Development: To Do or Not to Do Is the Question

Shreya Saran Chaudhary | *NetApp*

BREFM-25

**Establishing the Support Platform of Co-Creating Unique Values for Local Industries of
Taiwan**

Chen-Sung Chang | *Nan-Kai University of Technology*

BREFM-3251

The Relationship between Family-to-Work Facilitation and Job Satisfaction

Ying-Wen Liang | *Jinwen University of Science & Technology*

BREFM-6

CEO Pay-For-Performance Relation: Asymmetric Or Symmetric?

Chii-Shyan Kuo | *National Taiwan University of Science and Technology*

Shih-Ti Yu | *National Tsing Hua University*

BREFM-7

**Multilevel High Performance Work Systems and Corporate Entrepreneurship:
Moderation, Mediation and Evidence**

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

Che-Yuang Chang | *National Taiwan University of Science and Technology*

Biological Engineering & Natural Science (2)

Wednesday, July 20, 2016

16:30-18:00

Lilac

Session Chair: Prof. Jeng-Shian Chang

GCEAS-481

Numerical and Experimental Study of Mixing Enhancement for a Micromixer with Applying AC-Electrokinetics

Jeng-Shian Chang | *National Taiwan University*

Bo-Wen Lin | *National Taiwan University*

Kuang-Chong Wu | *National Taiwan University*

Shyh-Haur Chen | *National Kaohsiung University of Applied Sciences*

GCEAS-578

Big Data Analysis of Emergency Medical Service Applied to Effectiveness Factors Associated with Survival Rate

Yu-Ting Yeh | *Yuan Ze University*

Wei-Zen Sun | *National Taiwan University*

Matthew Huei-Ming Ma | *National Taiwan University*

Chun-Yi Dai | *National Taiwan University*

Muammar Sadrawi | *Yuan Ze University*

Maysam F. Abbod | *Brunel University London*

Jiann-Shing Shieh | *Yuan Ze University*

ISBENS-24181

Synthesis of Novel Biocompatible and UV-Curable Polymers for Rapid Prototyping

Min-Huei Chiou | *National Taiwan University of Science and Technology*

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

Yu-Chi Su | *National Taiwan University of Science and Technology*

ISBENS-24195

Fabrication of Metronidazole-Loaded PLA Assymetric Membranes for the Guided Tissue Regeneration

Indah Eka Septiani | *National Taiwan University of Science and Technology*

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

ISBENS-25300

Open Structural Area of Cellulose in Popping Pretreated Rice Straw Accelerates Enzymatic Hydrolysis Rate

Dae-Seok Lee | *Chonnam National University*

Yoon-Gyo Lee | *Chonnam National University*

Hyeun-Jong Bae | *Chonnam National University*

ISBENS-25302

Novel Sugar Signaling Pathway That Regulates Sucrose Metabolism in Plants

Quynh Anh Nguyen | *Chonnam National University*

Hyeun-Jong Bae | *Chonnam National University*

Fundamental and Applied Sciences (1) &

Electrical and Electronic Engineering (1)

Wednesday, July 20, 2016

16:30-18:00

Orchid

Session Chair: *Prof. Ki-Seog Chang*

GCEAS-530

Pyroelectric Study of Mongolian Tourmaline in Electric Power Saving System by Infrared Spectroscopy

Ki-Seog Chang | *Hongik University*

GCEAS-536

Trends in STEM Education Research Topics

Yu-Shen Fang | *National Taiwan Normal University*

Lung-Sheng Lee | *Central Taiwan University of Science and Technology*

GCEAS-501

Vibration Signal Analysis for LPG-Modified Engine and Normal Oil-Usage Engine with Different Engine Speeds

Theerathan Kingrattanaset | *Kasetsart University*

Suphattharachai Chomphan | *Kasetsart University*

GCEAS-649

Performance Analysis Stability of Speed Control of BLDC Motor Using PID-BAT Algorithm in Electric Vehicle

Izza Anshory | *Institute Teknologi Sepuluh Nopember Surabaya Indonesia*

Imam Robandi | *Institute Teknologi Sepuluh Nopember Surabaya Indonesia*

Wirawan | *Institute Teknologi Sepuluh Nopember Surabaya Indonesia*

Irna Tri Yuniasthi | *Institute Teknologi Sepuluh Nopember Surabaya Indonesia*

GCEAS-646

Improving LTE Femtocell Base Station Network Performance by Distributed Power Control

Bo-Wei Wang | *National Yilan University*

Fang-Chang Kuo | *National Yilan University*

Chih-Cheng Tseng | *National Yilan University*

Hwang-Cheng Wang | *National Yilan University*

Kuo-Chang Ting | *Minghsin University of Science and Technology*

Material Science and Engineering (1)

Wednesday, July 20, 2016

16:30-18:00

Iris

Session Chair: Prof. Chuen-Shii Chou

GCEAS-434

Preparation of ZnO Thin Film by Development Low-Pressure High-Frequency Plasma Chemical Vapor Deposition System

Thaweesak Tanaram | *Pibulsongkram Rajabhat University*

Nuttee Thungsuk | *Dhonburi Rajabhat University Samut-Prakan*

Harittapak Apirat | *Dhonburi Rajabhat University*

Narong Mungkung | *King Mongkuts University of Technology Thonburi*

Yoshimi Okamura | *University of Miyazaki*

Toshifumi Yuji | *University of Miyazaki*

GCEAS-506

Thermal Stability and Mechanical Property of Flexible Polybenzoxazine-Modified with Epoxy

Chanchira Jubsilp | *Srinakharinwirot University*

Sarawut Rimdusit | *Chulalongkorn University*

GCEAS-511

Thermal Property Enhancement in Fluorine-Containing Polybenzoxazine-Dianhydride Alloys

Chanchira Jubsilp | *Srinakharinwirot University*

Sarawut Rimdusit | *Chulalongkorn University*

Patcharat Pattharasiriwong | *Chulalongkorn University*

GCEAS-525

High-Temperature Corrosion of T92 Steel in N₂/H₂O/H₂S-Mixed Gas

Dong Bok Lee | *Sungkyunkwan University*

Yuke Shi | *Sungkyunkwan University*

GCEAS-576

Design of Multi-Functional Working Electrodes Using TiO₂/CZTSe Composite Particles for Dye-Sensitized Solar Cells

Chuen-Shii Chou | *National Pingtung University of Science and Technology*

Ping Wu | *Singapore University of Technology and Design*

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

ACCMES-2388

Comparison of Oxidation Behavior of Two Kinds of Graphite Relevant to HTGR

Ximing Sun | *Tsinghua University*

Yujie Dong | *Tsinghua University*

Yangping Zhou | *Tsinghua University*

Zhengcao Li | *Tsinghua University*

Lei Shi | *Tsinghua University*

Zuoyi Zhang | *Tsinghua University*

Management (3) & Marketing

Thursday, July 21, 2016

8:45-10:15

Lavender

Session Chair: *Prof. Hsiao-Yun Lu*

BREFM-2035

Bridging Lead Users to User Entrepreneurs-Exploring the Entrepreneurial Motivations

Chien-Chieh Huang | *National Chi Nan University*

Chia-Liang Hung | *National Chi Nan University*

Fang-Yi Chen | *National Chi Nan University*

Hong-Wei Lin | *National Chi Nan University*

BREFM-2039

Personality Traits and Medical Travel Intention: The Moderating Roles of Utilitarian and Hedonic Value

Hsiao-Yun Lu | *Chien Hsin University of Science and Technology*

BREFM-3245

Do Acquiring Firms Strategically Manage Impressions Prior to M&A Announcements?

Ying-Jiuan Wong | *National Kaohsiung University of Applied Sciences*

BREFM-3500

How Relationship Quality Influences Customer Loyalty over Time? The Moderating Role of Service Involvement

Min-Hsin Huang | *National Sun Yat-sen University*

Zhao-Hong Cheng | *National Sun Yat-sen University*

Hsiang-Hua Su | *National Sun Yat-sen University / Tzu Hui Institute of Technology*

Education (3) & Culture

Thursday, July 21, 2016

08:45-10:15

Lilac

Session Chair: *Prof. Lung-Ming Tsai*

CONFSS-5242

Factorial Analysis on the Creative Thinking Performance of Technic University Students in Taiwan

Wei Zen Tan | *National Yunlin University of Science and Technology*

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

CONFSS-5243

A Study on the Interdisciplinary Approaches Revitalizing Higher Education Institutions -Reflective Perspectives in Taiwan.

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

CONFSS-5251

An Analysis Study on the Developmental Processes of Creation and the Course of the Talents' Mind

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

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

CONFSS-4116

A Study on the Beauty of Zen Garden – Cases of Ginkaku Temple, Ryōan Temple and Sankei Garden

Lung-Ming Tsai | *Chinese Culture University*

CONFSS-5178

The Research for Constructing the Core Competence Indicators of Contribution Aging Retirement Preparation among the Nearly-Retiring People

Meng-Ching Hu | *National Chung Cheng University*

Yi-Fen Wang | *National Chung Cheng University*

Environmental Sciences (3)

Thursday, July 21, 2016

08:45-10:15

Orchid

Session Chair: *Prof. Ya-Fen Wang*

ACCMES-2264

Low Impact Development and Green Infrastructure

Zeynep Cansu Öztürk | *Selcuk University*

Şükrü Dursun | *Selcuk University*

ACCMES-2306

PM2.5 Concentration from Burning Incenses

I-Wei Luo | *National Hsin Chu Senior High School*

I-Fei Luo | *Korinnell Academy*

Ya-Fen Wang | *Chung Yuan Christian University*

Hsiao-Hsuan Mi | *Chia-Nan University of Pharmacy & Science*

ACCMES-2310

Enhancement of Biogas Production from Food Waste by Bioaugmentation with Rumen Fluid

Yeadam Jo | *Ulsan National Institute of Science and Technology*

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

Kwanghyun Hwang | *Global Engineering Division, GS E&C*

Changsoo Lee | *Ulsan National Institute of Science and Technology*

ACCMES-2368

Bioremediation of Heavy Oil-Contaminated Soil Using SY Microbial Consortium (SYMC)- Study of Application Factors

Shyi-Tien Chen | *National Kaohsiung First University of Science and Technology*

Michael Wang | *SY Biotech Inc.*

Yun-Chang Zhu | *National Kaohsiung First University of Science and Technology*

Jenn-Shyen Si | *SY Biotech Inc.*

ACCMES-2373

In-Situ Bioremediation of TPH-Contaminated Soil Using Fermented Blood

Shyi-Tien Chen | *National Kaohsiung First University of Science and Technology*

Shiou-Ya Jhou | *National Kaohsiung First University of Science and Technology*

GCEAS-599

Numerical Analysis of Industrial Cyclones for High Mass Load Processing

Sang-Cheol Park | *Chungnam National University*

Hyun-Seol Park | *Korea Institute of Energy Research*

Weon Gyu Shin | *Chungnam National University*

Computer and Information Sciences (2)

Thursday, July 21, 2016

08:45-10:15

Iris

Session Chair: *Prof. Miin-Shen Yang*

GCEAS-396

A Learning-Based EM Algorithm for T-Distribution Mixtures

Miin-Shen Yang | *Chung Yuan Christian University*

Rong-Jin Wong | *Chung Yuan Christian University*

GCEAS-462

A Comparative Study of Pattern Recognition Techniques for Classification of Oral and Nasal Snoring Sounds

Tsuyoshi Mikami | *NIT Tomakomai College*

Yohichiro Kojima | *Hokkaido University of Science*

Kazuya Yonezawa | *NHO Hakodate Hospital*

GCEAS-480

Integrating the Foresights of Emerging Technologies from Online Communities

Youngjun Kim | *Seoul National University*

Mintak Han | *Seoul National University*

Yongtae Park | *Seoul National University*

GCEAS-500

An Enhanced Secure and Efficient Anonymous Authentication with Smart Cards for Roaming Service in Global Mobility Networks

Wun Long Jhuang | *National Chung Hsing University*

Chou Chen Yang | *National Chung Hsing University*

GCEAS-637

Real-Time Pedestrian Detection on Moving Automobile Using Limited Power Computing Unit

Teera Siriteerakul | *King Mongkut's Institute of Technology Ladkrabang*

Sirikul Siriteerakul | *King Mongkut's Institute of Technology Ladkrabang*

Management (4)

Thursday, July 21, 2016

10:30-12:00

Lavender

Session Chair: *Prof. Jongkun Jun*

BREFM-29

The Informatization Model of Production and Sale for the Leisure Industry- An Example of Small-Scale Hotels and Black Tea factories in Nantou County of Taiwan

Chung-Pin Hung | *Nan Kai University of Technology*

Hao-Feng Lin | *Nan Kai University of Technology*

Yi-Lin Hung | *Nan Kai University of Technology*

CONFSS-5197

Firm Innovativeness and Firm Performance: The Moderating Effect of Strategic Choices in SMEs

Jongkun Jun | *Hankuk University of Foreign Studies*

Thaemin Lee | *Chungbuk National University*

Cheol Park | *Korea University*

CONFSS-5155

Investigating a Sleep Management Program: A Case Study of Hotel ICON

Pui Yan, Clare Fung | *The Hong Kong Polytechnic University*

Hiu Ying, Alice Hon | *The Hong Kong Polytechnic University*

Mechanical Engineering (2)

Thursday, July 21, 2016

10:30-12:00

Lilac

Session Chair: *Prof. Lih-Wu Hourng*

GCEAS-523

The Effects of Magnetic Field on the Hydrogen Production by Multi-Electrode Water Electrolysis

Lih-Wu Hourng | *National Central University*

Ja-Shen Hsu | *National Central University*

Ming-Yuan Lin | *Army Academic College*

GCEAS-548

Relationship between Car Backrest Vibration and Car Interior Floor Sound with Condition of Speed Varying

Boothum Wongchai | *Kasetsart University*

GCEAS-558

Adaptive Control Chart for Monitoring the Short-Term Burr XII Process Capability

Mou-Yuan Liao | *Providence University*

GCEAS-581

A Study of Energy Performance of Accommodation Building in Kanto Region - Japan

Haitham Alkhalaf | *Keio University*

Wanglin Yan | *Keio University*

GCEAS-607

Numerical Simulation of High Reynolds Number Turbulent Steam Jet

Taejoon Kim | *Korea Hydro and Nuclear Power Co., Ltd*

Jungsoo Suh | *Korea Hydro and Nuclear Power Co., Ltd*

GCEAS-684

Environmental Mechanical Arm

Chang-Hsin Lu | *Hsin-Chu Municipal Chien-Kung Senior High School*

Xuan Lvyi | *Hsin-Chu Municipal Chien-Kung Senior High School*

Xuanen Yang | *Hsin-Chu Municipal Chien-Kung Senior High School*

Jianmin Wang | *Hsin-Chu Municipal Chien-Kung Senior High School*

Environmental Sciences (4)

Thursday, July 21, 2016

10:30-12:00

Orchid

Session Chair: *Prof. Jwo Huei Jou*

ACCMES-2374

Removal of COD in Dyeing Wastewater Using Rice Husk Carbon (RHC)

Shyi-Tien Chen | *National Kaohsiung First University of Science and Technology*

Chih-Wei Lee | *National Kaohsiung First University of Science and Technology*

ACCMES-2381

Candlelight OLED Based Human- and Environmentally-Friendly Lighting

Jwo Huei Jou | *National Tsing Hua University*

ACCMES-2608

Identification by Using Molecular Methods Based of 16S rRNA Gene of Consortium

Microbes of Phyllosphere and Rhizosphere which Effective on Rice

Aris Aksarah Pas | *Bogor Agricultural University*

Didy Sopandie | *Bogor Agricultural University*

Trikoesoemaningtyas | *Bogor Agricultural University*

Dwi Andreas Santosa | *Bogor Agricultural University*

ACCMES-2631

Reforming of Simulated Syngas Derived from Biomass Gasification for Hydrogen promotion Using Ni Catalysts Supported on MAI2O4

Bing-Nan Chen | *National Chung Hsing University*

Kui-Hao Chuang | *Central Taiwan University of Science and Technology*

Ming-Yen Wey | *National Chung Hsing University*

GCEAS-611

Adsorption Efficiency of Lead (II) Ion from Aqueous Solution Using Modified Leonardite

Atit Wannawek | *Maejo University*

Pusit Pookmanee | *Maejo University*

Sakchai Satienperakul | *Maejo University*

Ratchadapon Putharod | *Maejo University*

Nattapol Laorodphan | *Maejo University*

Sukon Phanichphant | *Chiang Mai University*

ACCMES-2327

**Magnetite Adsorption of Gold from Electronic Wastes Leached with
Thiosulfate Solution**

Karlo Leandro Dionisio Baladad | *University of the Philippines Diliman*

Jamie Jane Apolonio | *University of the Philippines Diliman*

Geliah Anne Brilata | *University of the Philippines Diliman*

Myrrh Jade Divinagracia | *University of the Philippines Diliman*

Civil Engineering (3)

Thursday, July 21, 2016

10:30-12:00

Iris

Session Chair: *Prof. Toshitaka Yamao*

ACCMES-2302

Block Shear Fracture Strength of Base Metal in Welded Connection with Cold-formed Austenitic Stainless Steel

TaeSoo Kim | *Hanbat National University*

BoKyung Hwang | *Hanbat National University*

HooChang Lee | *Hanbat National University*

YongTaeg Lee | *Hanbat National University*

ACCMES-2324

Evaluation on Strength of Concrete-Filled Double Skin Steel Tube in Bending

Hohoon Park | *Sejong University*

Seung-Eock Kim | *Sejong University*

ACCMES-2341

Experimental Study on Repair Methods of Broken Members Stone Structures

Akira Horita | *Kumamoto University*

Toshitaka Yamao | *Kumamoto University*

Kazuaki Kaneko | *Kumamoto University*

ACCMES-2355

Adaptive Control of the Structures with Faulty Sensors

Touraj Taghikhany | *Amirkabir University of Technology*

Amin Hosseini | *Amirkabir University of Technology*

ACCMES-2357

Dynamic Displacement Estimation System Using LDV-LiDAR Integration

Junhee Kim | *Dankook University*

ACCMES-2656

Economic Feasibility Study of Self-Centering Concentrically Braced Frame Systems

Qindan Huan | *The University of Akron*

Mojtaba Dyanati | *The University of Akron*

Dave Roke | *The University of Akron*

MIS-Management Information System & Computer and Information Sciences (3)

Thursday, July 21, 2016

13:00-14:30

Lavender

Session Chair: *Prof. Yaochen Kuo*

BREFM-3499

Investigations of Feature Selection Approaches for SVM-Based Evaluation System for Scooter Sales

Yaochen Kuo | *Kainan University*

Yu-Shang Huang | *Kainan University*

BREFM-3503

An Integrated Model of Strategic IT Alignment and IS Capabilities for Contribution Organization Performance

Rachadaporn Pinrattananont | *Rajamangala University of Technology*

Youthachai Lertworapachaya | *Rajamangala University of Technology*

Chalernsak Lertwongsatien | *Ministry of Finance*

BREFM-3511

Using Deep Learning to Identify Cyberbullying Behavioral and Linguistic Patterns

August F.Y. Chao | *Chung Yuan Christian University*

Cheng-Yu Lai | *Chung Yuan Christian University*

BREFM-3516

The Investigation of the Intention of Open Source Software Adoption by Small and Medium-Sized Enterprises

Chorng-Guang Wu | *Yuan Ze University*

GCEAS-487

Deformation Driven Fast and Approximate Shortest Path Algorithm for Selecting a Pseudo-Optimal Welding Sequence

Jesus Romero Hernandez | *Centro de Ingeniería y Desarrollo Industrial*

Baidya Nath Saha | *Centro de Investigación en Matemáticas*

Gengis Toledo | *Centro de Ingeniería y Desarrollo Industrial*

Chemical Engineering (2)

Thursday, July 21, 2016

13:00-14:30

Lilac

Session Chair: *Mrs. Nov Irmawati Inda*

GCEAS-625

Analysis of the Extraction Complex between LIX84-I and Copper(II) in the Polymeric Particles with Interconnected Spherical Pores

Nov Irmawati Inda | *University of Miyazaki*

Masaya Fukumaru | *University of Miyazaki*

Takashi Sana | *University of Miyazaki*

Shiro Kiyoyama | *Miyakonojo National College of Technology*

Takayuki Takei | *Kagoshima University*

M. Yoshida | *Kagoshima University*

A. Nakajima | *University of Miyazaki*

K. Shiomori | *University of Miyazaki*

GCEAS-629

Removal of Hydrogen Sulfide from an Anaerobic Biogas Using Soybean Ink Waste

Natthakan Thanakunpaisit | *Thaksin University*

Niramom Jantharachat | *Thaksin University*

Usa Onthong | *Thaksin University*

GCEAS-630

Treatment of Kanom-Jeen Production Wastewater Using an Anaerobic Digestion Process

Usa Onthong | *Thaksin University*

Sirilak Chuaypanung | *Thaksin University*

Yakoh Kharemdabeh | *Fatoni university*

GCEAS-634

Separation of Azeotropic Mixture (Ethanol + Water) Using Zeolite as an Adsorbent

Niramol Juntarachat | *Thaksin University*

Usa Onthong | *Thaksin University*

Environmental Sciences (5)

Thursday, July 21, 2016

13:00-14:30

Orchid

Session Chair: *Prof. Nannapasorn Inyim*

ACCMES-2632

Hydrogen Production from Real Wastewater by Platinum/N-Doped TiO₂/SrTiO₃ Photocatalyst under Simulated Sunlight Irradiation

Ju-Ting Lee | *National Chung Hsing University*

En-Chin Su | *National Chung Hsing University*

Ming-Yen Wey | *National Chung Hsing University*

ACCMES-2637

Oil Removal from Wastewater Using Colocasia Esculenta's Stem

Nannapasorn Inyim | *Ramkhamhaeng University*

Kallayarat Sanguanchit | *Ramkhamhaeng University*

Nutsara Pinitmontree | *Ramkhamhaeng University*

Anchalee Paris | *Ramkhamhaeng University*

ACCMES-2645

Microbial Community Structures Associated with Major Organic Components Degradation in Full-Scale Anaerobic Sludge Digesters

Joonyeob Lee | *Pohang University of Science and Technology*

Gyuseong Han | *Pohang University of Science and Technology*

Seokhwan Hwang | *Pohang University of Science and Technology*

Seung Gu Shin | *Pohang University of Science and Technology*

Taewoan Koo | *Pohang University of Science and Technology*

ACCMES-2660

Evaluation of the Cumulative Release of Lead (Pb) from a Quicklime and Fly Ash Stabilized/Solidified Soil under Semi-Dynamic Leaching Conditions

Deok Hyun Moon | *Chosun University*

Dimitris Dermatas | *National Technical University of Athens*

Inseong Hwang | *Pusan National University*

Agamemnon Koutsospyros | *University of New Haven*

Jeong-Hun Park | *Chonnam National University*

ACCMES-2274

Laboratory Measurement of Relative Permeability of Immiscible Fluids in Sand

Khwaja Naweed Seddiqi | *Tokai University*

Zabihullah Mahdi | *Tokai University*

Shigeo Honma | *Tokai University*

ACCMES-2313

Synthesis Of Biodegradable Cellulose-Chitin Polymer Film Using Recycled

N,N-Dimethylacetamide

Myra Ruth Sales Poblete | *University of the Philippines*

Marxlen C Endico | *University of the Philippines*

Civil Engineering (4)

Thursday, July 21, 2016

13:00-14:30

Iris

Session Chair: *Prof. Shu-Shun Liu*

ACCMES-2624

Mapping Landslide Susceptibility Using Discriminant Analysis

Shu-Rong Yang | *National Pingtung University of Science and Technology*

ACCMES-2635

Pedestrian Behaviour towards Pedestrian Facilities at Commercial Centres

Noor Shazreen A. Rahman | *Universiti Teknologi MARA, Pasir Gudang*

Nurul Farehan Ibrahim | *Universiti of Teknologi MARA, Penang*

Farah Hayati Mustafa | *Universiti of Teknologi MARA, Penang*

Li Sian Tey | *Universiti of Teknologi MARA, Penang*

ACCMES-2662

Linear Scheduling Model for A Road Maintenance Project Using a Non-Sequential Approach

Shu-Shun Liu | *National Yunlin University of Science and Technology*

Agung Budiwirawan | *National Yunlin University of Science and Technology*

ACCMES-2672

Analysis of Oil Displacement by Water by Numerical Simulation in Two-Dimension and Application in Petroleum Reservoir

Ahmad Fahim Nasiry | *Tokai University*

Abdul Jamil Nazari | *Tokai University*

ACCMES-2339

Investigation of a Miniature Stone Arch Bridge Composed of Stone Blocks and Backfill Sands

Toshitaka Yamao | *Kumamoto University*

Kazuaki Kaneko | *Kumamoto University*

Akira Horita | *Kumamoto University*

ACCMES-2396**Modeling of Setting Time and Microstructure of Ethyl Cellulose-Cement Pastes**

Ibtisam Mustafa Kamal Saifi | *Soran University*

Aryan Far Haji Sherwani | *Soran University*

Ammar Ali Abed | *British Petroleum, RPSG-Irak*

Sarah Falih Kamil | *British Petroleum, RPSG-Irak*

Shorish Mustafa Goron | *Soran University*

Mohammad Amin Molod | *Soran University*

GCEAS-670**Morphological Reconstruction of Real Sand Particles Using X-Ray Tomography and Spherical Harmonics**

Bo Zhou | *Huazhong University of Science and Technology*

Jianfeng Wang | *City University of Hong Kong*

Economics (2)

Thursday, July 21, 2016

14:45-16:15

Lavender

Session Chair: *Prof. Ho-Chyuan Chen*

BREFM-5

FDI Policy, Multinationals Entry Mode and Quality-Technology Transfer

Ho-Chyuan Chen | *National Chung-Cheng University*

BREFM-2014

Research on the Mechanism of Enterprise Upgrading Based on Evolutionary Economics

Ye Yuan | *Beijing University of Technology*

BREFM-2023

Inequality in Food Consumption

Ming-Feng Hsieh | *Tunghai University*

BREFM-2031

Influent Factors of the Farmer Decision for Cultivating Thai Local Breeding Rice

Chaowana Phetcharat | *Chiang Mai University*

Nuttamon Teelakul | *Chiang Mai University*

Tuangporn Janthok | *Chiang Mai University*

BREFM-3492

Weather Conditions and Electoral Outcomes in Taiwan

Li-Ju Chen | *University of Taipei*

BREFM-3528

Workers' Ability Index and Optimal Level of Schooling in Malaysian Service Sector

Rahmah Ismail | *Universiti Kebangsaan Malaysia*

Wye Chung Khain | *Universiti Tunku Abdul Rahman*

Nur Shakira Lukman | *Universiti Kebangsaan Malaysia*

Biological Engineering & Natural Science (3)

Thursday, July 21, 2016

14:45-16:15

Lilac

Session Chair: *Prof. Chung-Jen Ou*

ISBENS-24173

Isomerization Reaction of α -Pinene using Catalyst Zr⁴⁺/NZ (Zirkonia/Natural Zeolite)

Nanik Wijayati | *Semarang State University*

Handayani T. | *Semarang State University*

Supartono | *Semarang State University*

ISBENS-24210

Minimum Helios Orbital Modeling with Arduino® Nano Chips for Driving Solar Energy System

Chung-Jen Ou | *Hsiuping University of Science and Technology*

ISBENS-25268

Preparation of Three-Dimensional Macroporous Cellulosic Hydrogels for Bone Tissue Engineering

Zhi-Yao Dai | *National Taiwan University of Science and Technology*

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

ISBENS-25269

Preparation of Cement-Chitosan Electrospun Nanofibrous Scaffolds for Bone Tissue Engineering

Wei-Li Chuang | *National Taiwan University of Science and Technology*

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

Fundamental and Applied Sciences (2)

Thursday, July 21, 2016

14:45-16:15

Orchid

Session Chair: *Prof. Man Lai Tang*

GCEAS-580

Optimisation of Crosslinking Reactions of Edible Starch Microparticles Using Response Surface Methodology (RSM)

Anida Yusoff | *Universiti Teknologi MARA*

Saidatul Shamimi Saifuddin | *Universiti Teknologi MARA*

Khalilah Abd Khalil | *Universiti Teknologi MARA*

GCEAS-593

Effects of Hydrocolloids on Coating Performance, Oil Absorption and Microstructure of Banana (*Musa Acuminata*) Fritters

Norizzah Abd Rashid | *Universiti Teknologi MARA*

Maryam Afifah Abd Latif | *Universiti Teknologi MARA*

Zaibunnisa Abdul Haiyee | *Universiti Teknologi MARA*

GCEAS-594

Characterization of Malaysian banana Starch and Flour from Tanduk and Awak Varieties

Noorlaila Ahmad | *Universiti Teknologi MARA*

Norhidayah Mohamad | *Universiti Teknologi MARA*

Norziah Mohd Hani | *Universiti Sains Malaysia*

Nor Hasanah Hassan | *Universiti Teknologi MARA*

Asmeda Rejab | *Universiti Teknologi MARA*

GCEAS-390

Profile Likelihood Method for Analyzing Longitudinal Data

Man Lai Tang | *Hang Seng Management College*

Ziqi Chen | *Central South University*

GCEAS-416

A Statistical Method for Analyzing Multivariate Current Status Data with Covariate Error

Chi-Chung Wen | *Tamkang University*

Material Science and Engineering (2)

Thursday, July 21, 2016

14:45-16:15

Iris

Session Chair: *Prof. Yujie Dong*

ACCMES-2261

**Synthesis of TiO₂ Nanotube at Different Anodizing Time and Annealing Temperature:
Application for Corrosion Prevention of Stainless Steel 304**

Misriyani | *Alkhairaat University*

Jarnuzi Gunlazuardi | *Indonesia University*

ACCMES-2333

Adsorbability of Highly Porous Aluminum Oxide Ceramics

Katalin Sinkó | *Eötvös University*

ACCMES-2367

Experiment Study on H₂O Oxidation of Graphite for HTGR with Gas Chromatography

Yangping Zhou | *Tsinghua University*

Yujie Dong | *Tsinghua University*

Ximing Sun | *Tsinghua University*

Zhengcao Li | *Tsinghua University*

Lei Shi | *Tsinghua University*

Zuoyi Zhang | *Tsinghua University*

ACCMES-2627

**Experiment Study for Measuring Equivalent Boron Contents of Nuclear Graphite
Relevant to HTGR with ICP-MS**

Ximing Sun | *Tsinghua University*

Yangping Zhou | *Tsinghua University*

Yujie Dong | *Tsinghua University*

Zhengcao Li | *Tsinghua University*

Lei Shi | *Tsinghua University*

Zuoyi Zhang | *Tsinghua University*

ACCMES-2346

Facile Synthesis of Urchin-Like Csxwo₃ Particles Using Bacterial Cellulose as Template by Hydrothermal Method

Jing-Xiao Liu | *Dalian Polytechnic University*

Fei Shi | *Dalian Polytechnic University*

Chuan-Yan Fan | *Dalian Polytechnic University*

GCEAS-442

Monolayer Nano-Spheres and Micro-Spheres Applied on Organic Light-Emitting Diodes

Chang-Rong Lin | *National Central University*

Yu-Chun Chiu | *National Central University*

Mai-Chi Liu | *National Central University*

Chia-Hua Chan | *National Central University*

Finance & Accounting (3)

Thursday, July 21, 2016

16:30-18:00

Lavender

Session Chair: *Prof. Weifeng Hung*

BREFM-31

An Exploratory Look at the Management of Risk-Taking in Action and Its Effect on Profitability in Futures Market: Retail versus Institutional Traders

Chao Hsien Lin | *National Kaohsiung First University of Science and Technology*

BREFM-2024

Distinct Reactions of Stock Market for Different Compensation Forms during the Chinese Split Share Reform

Feng-Tse Tsai | *Asia University*

Ping-Chao Wu | *Asia University*

BREFM-2032

Analysis of Return and Medical Groups for Securities Risk that Register in the Stock Market Exchange of Thailand Using CAPM Theory

Punchita Waithayawongsakul | *Kasem Bundit University*

Chamni Jaipradidtham | *Kasem Bundit University*

BREFM-2041

Labor Power and Dividend Policies: International Evidence

In-Mu Haw | *Texas Christian University*

Bingbing Hu | *Hong Kong Baptist University*

Donghui Wu | *The Chinese University of Hong Kong*

Xu Zhang | *University of Macau*

BREFM-3507

Price Limit-Hits and Cross-Sectional Stock Returns

Weifeng Hung | *Feng Chia University*

Chaoshin Chiao | *National Dong Hwa University*

Society (2), Psychology & Politics

Thursday, July 21, 2016

16:30-18:00

Lilac

Session Chair: *Prof. Tsuey-Ping Lee*

CONFSS-4886

Natural Hazards and Residential Instability: A Longitudinal Analysis of Pervasive, Cumulative Effects on Socially Vulnerable Populations

James R. Elliott | *Rice University*

Junia Howell | *Rice University*

CONFSS-5149

Environmental Attitude, Social Capital, and Participatory Willingness in Community with Visually Insignificant Contaminated Sites

Tsuey-Ping Lee | *National Chung Cheng University*

Wan-Ying Tsai | *Sinotech Engineering Consultants, Inc*

CONFSS-5250

Research and Development of Thai e-Government utilization through Community Telecenters

Rewat Sangsuriyong | *Burapha University*

CONFSS-5206

Factors Associating with Psychological Well-Being of Middle Aged Unmarried Single Men in South Korea

Miai Sung | *Korea National Open University*

Electrical and Electronic Engineering (2)

Thursday, July 21, 2016

16:30-18:00

Orchid

Session Chair: *Prof. Jamaaluddin*

GCEAS-505

The Outage Cost Analysis for 22 KV Distribution System of Provincial Electricity

Authority in Pattaya

Chawalit Sahanonchaikun | *Kasetsart University*

Suphattharachai Chomphan | *Kasetsart University*

GCEAS-544

Comparison between Parameter Optimal and PID Type ILC for One-Link Robot Manipulator

Mutita Songjun | *Naresuan University*

GCEAS-605

Effects of Assembly Parameters on a Proton Exchange Membrane Fuel Cell with Thin Metallic Bipolar Plates

Sheng-Chun Su | *Chinese Culture University*

Chen-Yu Chen | *Chinese Culture University*

GCEAS-633

The CO Tolerance of a High Temperature Proton Exchange Membrane Fuel Cell Stack

Shih-Ming Huang | *Chinese Culture University*

Chen-Yu Chen | *Chinese Culture University*

GCEAS-645

Short Term Load Forecasting New Year Celebration Using Interval Type-2 Fuzzy Inference System (Case Study: Java – Bali Electrical System)

Jamaaluddin | *Institute of Technology, Sepuluh Nopember (ITS)*

Imam Robandi Robandi | *Institute of Technology, Sepuluh Nopember (ITS)*

Civil Engineering (5), Material Science and Engineering (3) & Mechanical Engineering (3)

Thursday, July 21, 2016

16:30-18:00

Iris

Session Chair: *Prof. Sirikul Siriteerakul*

GCEAS-667

Predicting the Construction Duration and Enhancing the Speed of Construction for High-Rise Private Building Projects in Hong Kong

Daniel W.M. Chan | *The Hong Kong Polytechnic University*

Patrick T.I. Lam | *The Hong Kong Polytechnic University*

Albert P.C. Chan | *The Hong Kong Polytechnic University*

Elvis W.K. Lau | *The Technological and Higher Education Institute of Hong Kong*

Joe Y. Zhou | *The Hong Kong Polytechnic University*

GCEAS-638

The Study of How Materials and Surface Shape of Kitchenware Affect Heat Conduction

Nongrat Saensamaka | *King Mongkuts Institute of Technology Ladkrabang*

Nongram Saensamaka | *King Mongkuts Institute of Technology Ladkrabang*

Sirikul Siriteerakul | *King Mongkuts Institute of Technology Ladkrabang*

ACCMES-2356

Experimental Study on the Mechanical Properties and Length Change of Concrete Produced with Varying Silt Contents of Fine Aggregate

Shih Wei Cho | *China University of Science and Technology*

Chung-Chia Yang | *National Taiwan Ocean University*

ACCMES-2647

Dip-Coating of Ti-6Al-4V Substrates with Carbonate Apatite Synthesized using a Planetary Ball Mill

Astrid Ayla E. Liberato | *University of the Philippines*

Alberto V. Amorsolo, Jr | *University of the Philippines*

GCEAS-591

Experimental Study on Velocity and Temperature of Turbulent Steam Jet

Jinho Cha | *Chungnam National University*

Seungho Lim | *Chungnam National University*

Taejoon Kim | *Korea Hydro & Nuclear Power Co. Ltd*

Jaiho Lee | *Korea Hydro & Nuclear Power Co. Ltd*

Weon Gyu Shin | *Chungnam National University*

GCEAS-600

Synthesis of ZnO Nanowires on Ni Coated Substrate

Kyuwon Jeong | *Chungnam National University*

Weon Gyu Shin | *Chungnam National University*

Poster Session (1)

**Education/ Management/ Economics/ Finance & Accounting/
Marketing/ Biological Engineering & Natural Science (1)**

Wednesday, July 20, 2016

9:30-10:30

CONFSS-4887

Teaching and Learning Paradigm Shift in Elementary Schools in Taiwan: Take Mathematics as an Example

Huan-Sheng Peng | *National Hsinchu University of Education*

CONFSS-5148

Comparative Study on the Development of Lifelong Learning for 21st Century among International Organizations and Professional Adult Education Organizations in Europe and America

Ming Lieh Wu | *National Chi Nan University*

CONFSS-5153

The Reliability of Imaginative Products Rubrics for College Students

Chun-Wen Teng | *Feng Chia University*

Ya-Ling Tu | *Feng Chia University*

Bing-Jean Lee | *Feng Chia University*

Kuo-Cheng Tai | *Feng Chia University*

Ching-Yi Lee | *Feng Chia University*

Bo-Ting Wang | *Feng Chia University*

Chia-Cheng Chen | *National Taiwan University of Arts*

CONFSS-5158

Developing CDIO-Based Creative Problem-Solving Rubrics: A Study of Engineering Education

Bor-Tyng Wang | *Feng Chia University*

Ching-Yi Lee | *Feng Chia University*

Chuang-Chien Chiu | *Feng Chia University*

Chun-Wen Teng | *Feng Chia University*

CONFSS-5195

Investigation of the Self-Determination Skills and Learning Adjustment of Taiwanese College Students with Disabilities

Pen-Chiang Chao | *Chung Yuan Christian University*

CONFSS-5245

A Profile of the Leisure Activities of College Students in Hong Kong

Jofy Pang | *Hong Kong Baptist University*

CONFSS-5252

A Content-Based Geography Course: Language Learning, Student Autonomy and IT

Kurt Ackermann | *Hokusei Gakuen University Junior College*

CONFSS-4127

A Study on Souvenir Purchase Behavior of Sports Tourists

Chia-Ming Chang | *National Chiayi University*

Hsiu-Chin Huang | *Tatung Institute of Technology*

Tsung-Liang Lin | *Tatung Institute of Technology*

CONFSS-5145

A Study on Participation Motivation, Leisure Benefit and Well-Being of Road Runners

Chih Chiang Chung | *National Yunlin University of Science and Technology*

Chuang-Wen Liu | *National Yunlin University of Science and Technology*

Shen-Yu Chung | *National Yunlin University of Science and Technology*

CONFSS-5199

How to Make Employees Willing to Participate in Training? A Case Study of Taiwanese High-Tech Companies

Pei-Chen Chiang | *National Changhua University of Education*

Huo-Tsan Chang | *National Changhua University of Education*

BREFM-10**The Correlation and Impact of Personality Traits, Job Characteristics, Emotional Intelligence toward Emotional Labor – A Study with Physicians as the Subjects**

Sheng Yu Yang | *Tainan Municipal Hospital./Org.*

BREFM-18**Dynamic Capabilities and Firm Growth – The Largest Backlight Module Firm Case**

Ing Shane Yung | *National Chiayi University*

David Y. Chang | *National Chiayi University*

Hung Wen Lee | *National Chiayi University*

BREFM-19**Study on the Acid Neutralizing Capacity of Common Antacids and Alkaline Foods toward Gastric Acid**

Hsiang Ting Wang | *Tainan Municipal Hospital./Org.*

BREFM-34**The Mediating Role of Ambidextrous Innovation in Strategic Orientation and Firm Performance**

Yong-Hui Li | *National Pingtung University*

Jing-Wen Huang | *National Pingtung University*

BREFM-3497**The Consequences of Not Being a Good Follower: A Two-Stage Mediation Model from Employee Prototype to Job Performance**

Chia-Wu Lin | *National Dong Hwa University*

BREFM-8**A Scheduling Model with Solution Algorithm for Moving Companies**

Shangyao Yan | *National Central University*

James C. Chu | *National Taiwan University*

Wei-Che Hung | *National Central University*

BREFM-3**Credit Research of P2P Network Based on User Behavior**

Xiao Ni Wen | *Xidian University*

Zhenqi Zhang | *Xidian University*

Xiaojuan Wu | *Xidian University*

BREFM-3509**Corporate Social Responsibility, Managerial Ability, and Ownership Structure**

Shu-Hui Sue | *National Taichung University of Science and Technology*

Chien-Ju Lu | *Yuan Ze University*

BREFM-3490**Reimagining Educational Marketing under the Context of Creativity in University**

Ching-Jung Hsieh | *WuFeng University*

BREFM-3489**The Impact of Natural Disasters on Stock Markets: A Case Study in Taiwan**

Chueh-Yung Tsao | *Chang Gung University*

ISBENS-24158**Expression of Human Growth Factors Using Heterologous Expression Platform**

Yong-Suk Jang | *Chonbuk National University*

Sun-Hee Jang | *Chonbuk National University*

Jisang Park | *Chonbuk National University*

Kwang Yeop Jahng | *Chonbuk National University*

Tae-Ho Kwon | *Chonbuk National University*

ISBENS-24159**Germination Characteristics of Funiculus-Removed Glasswort (*Salicornia Herbacea*) Seeds under Various Salt Concentration**

Huo-Jin Jeon | *Chonbuk National University*

Seung-Jae Lee | *Chonbuk National University*

Jae-Hyeok Jeong | *National Institute of Crop Science*

Nam-Jin Chung | *Chonbuk National University*

ISBENS-25272**Suppressive Effects of *Camellia Japonica* Extract on Breast Cancer Stem Cell Survival and Proliferation**

Jisun Oh | *Kyungpook National University*

Yong Seob Jeong | *Chonbuk National University*

ISBENS-25299**Mycofloral Diversity and Abundance in Korean Traditional Fermentation Starter Nuruk is Influenced by the Initial Moisture Content**

Jyotiranjana Bal | *Chonbuk National University*

Suk-Hyun Yun | *Chonbuk National University Wonkwang University*

Soo-Hwan Yeo | *NAAS, RDA*

Jung-Mi Kim | *Wonkwang University*

Beom-Tae Kim | *Chonbuk National University*

Seung-Moon Park | *Chonbuk National University*

Kwang-Yeop Jahng | *Chonbuk National University*

Dae-Hyuk Kim | *Chonbuk National University*

ISBENS-25325**Metabolomics Analysis of Nuruk Starters for Korean Traditional Wine, Makgeolli, with Different Raw Materials and Water Content during Fermentation**

Jun Young Kim | *Chonbuk National University*

Sang Hwa Lee | *Chonbuk National University*

Jung Sup Song | *Chonbuk National University*

Beom-Tae Kim | *Chonbuk National University*

ISBENS-25285**Functional Ingredients of *Saururus Chinensis* Grown in the Soils Applied with Different Levels of Phosphorus and Potassium Fertilizers**

Dong-Jin Kim | *Chonbuk National University*

Byung-Koo Ahn | *Jeollabuk-Do Agricultural Research and Extension Service*

Min-Jung Kim | *Chonbuk National University*

Sung-Eun Kim | *Chonbuk National University*

Jin-Ho Lee | *Chonbuk National University*

ISBENS-25311**Fabrication and Evaluation of Polyurethane Foam for Application to Wound Dressing Material**

Oh Hyeong Kwon | *Kumoh National Institute of Technology*

Won Il Kim | *Wonbiogen Co., Ltd.*

ISBENS-25284

Efficient Electrochemical Biosensor Based on Mesoporous Ceria-Carbon Composite

Moon Il Kim | *Gachon University*

Eunae Kang | *POSTECH*

Jinwoo Lee | *POSTECH*

Hyun Gyu Park | *KAIST*

Material Science and Engineering /

Computer and Information Sciences (1)

Wednesday, July 20, 2016

13:30-14:30

GCEAS-654

Fiber Optic pH Sensor Based on Indium Gallium Zinc Oxide Coatings and Lossy Mode Resonance

Chuen-Lin Tien | *Feng Chia University*

Hao-Sheng Mao | *Feng Chia University*

Bo-Wei Lee | *Feng Chia University*

GCEAS-449

Supercapacitor Based on Self-Doped Polyaniline Assembled onto Carbon Nanoparticles

Chien-Hsin Yang | *National University of Kaohsiung*

Po-Hsin Wang | *National University of Kaohsiung*

GCEAS-450

Photopolymerization Preparation of Electroactive Film Applied to Full Polymer Electrochromic Device

Chien-Hsin Yang | *National University of Kaohsiung*

Pei-Yu Chang | *National University of Kaohsiung*

GCEAS-451

Synthesis and Size Control of Fe₃O₄ Nanoparticles by Reduction of Fe(acac)₃ Using Ascorbic Acid

Ajinkya Girish Nene | *Chubu University*

Makoto Takahashi | *Chubu University*

Koichi Wakita | *Chubu University*

Prakash Somani | *Chubu University*

Masayoshi Umeno | *Chubu University*

GCEAS-512**Hexa-peri-Hexabenzocoronene Derivatives by Intermolecular [2+2+2] Cyclotrimerization of Unsymmetric Diarylalkynes**

Hsu-Heng Hung | *National Kaohsiung Normal University*

Che-Wei Chang | *National Kaohsiung Normal University*

GCEAS-520**Preparation of ZnO and MgO Thin Films Deposited by Sol-Gel Spin Coating and Applied to Distributed Bragg Reflector**

Wen Cheng Tzou | *Southern Taiwan University of Science and Technology*

Hon Kuan | *Southern Taiwan University of Science and Technology*

Chi-Mang Tang | *Southern Taiwan University of Science and Technology*

GCEAS-579**Nano-Porous IrO₂ Electrode for Hydrogen-Rich Fuel Water Generation in Solar Cell-Assisted Water Electrolysis Cell**

Yi-Hao Pai | *National Dong Hwa University*

Zheng-Yu Li | *National Dong Hwa University*

Cheng-Kang Tsai | *National Dong Hwa University*

Chih-Cheng Kao | *Southern Taiwan University of Science and Technology*

GCEAS-587**Electrical Time Delay Using Optical Stimulated Brillouin Effect**

Wen-Piao Lin | *Chang Gung University*

Yu-Fang Hsu | *Chienkuo Technology University*

GCEAS-602**Dielectric Properties of Percolative BaTiO₃/Al Composite Film Fabricated by Aerosol Deposition Process**

Jin Hyeon Kim | *Kwangwoon University*

Hyeong Jong Choi | *Kwangwoon University*

Hong-Ki Kim | *Kwangwoon University*

Young-Hie Lee | *Kwangwoon University*

GCEAS-603

Dielectric Performance of BaTiO₃/Zn Composite Films Fabricated by Aerosol Deposition

Hyeong Jong Choi | *Kwangwoon University*

Jin Hyeon Kim | *Kwangwoon University*

Hong-Ki Kim | *Kwangwoon University*

Young-Hie Lee | *Kwangwoon University*

ACCMES-2250

Desulfurization Slags of Steelmaking By-Product Used for Producing Green Alkali-Activated Binder Materials

Chun Hung Chung | *National Taipei University of Technology*

Ming Sheng Ko | *National Taipei University of Technology*

ACCMES-2259

One-Step and Single Source Synthesis of Cu-Doped ZnO Nanowires on Flexible Brass Foil for High Performance Photocatalytic Applications

Yu-Cheng Chang | *Feng Chia University*

Pei-Shih Lin | *National University of Kaohsiung*

Fu-Ken Liu | *National University of Kaohsiung*

ACCMES-2304

Fabrication of High Purity Nano-Sized Silica Powder by Sol-Gel Process Using Purification of Water Glass

Tae-Geoung Kim | *Kumoh National Institute of Technology*

Hyun-Kwun Lee | *Kumoh National Institute of Technology*

ACCMES-2308

Functional Electromagnetic Shielding Elastic Composite Knits: Manufacturing Techniques and Physical Property Evaluations

Chin-Mei Lin | *Asia University*

Chao-Tsang Lu | *Central Taiwan University of Science and Technology*

Pei-Chen Hsiao | *Asia University*

Jia-Horng Lin | *Feng Chia University*

Ching-Wen Lou | *Central Taiwan University of Science and Technology*

ACCMES-2309

Dissolution Behavior of Gypsum under High Pressure and High Temperature

Pei-Lun Lee | *National Chiayi University*

ACCMES-2343**Anionic-Nonionic Gemini Surfactant in the Properties of Dyeing Application**

Chiu-Chun Lai | *Chinese Culture University*

Shih-You Chen | *Chinese Culture University*

Min-Yan Dong | *Plastic Industry Development Center*

ACCMES-2350**Development of PAHs-Free Process Oil from Biomass for EU REACH**

Yongwoo Kim | *Pusan National University*

Changmin Kang | *Korea Testing & Research Institute*

Changhwan Kim | *Nexen Tire Corp.*

Hansol Je | *Nexen Tire Corp.*

Okkyun Jeong | *UNS CHEM*

Hoon Jung | *UNS CHEM*

ACCMES-2366**Effect of Microstructural Change on Mechanical Properties of CNT/Al Composites
Fabricated with Differential Speed Rolling Process**

Haguk Jeong | *Korea Institute of Industrial Technology*

Jongbeom Lee | *Korea Institute of Industrial Technology*

Sangyong Park | *Korea Institute of Industrial Technology*

ACCMES-2628**Novel Metal Wire Mesh/BiOBr Photocatalyst with Enhanced Photocatalytic Performance**

Chi-Jung Chang | *Feng Chia University*

Pei-Yao Chao | *Feng Chia University*

ACCMES-2630**Cu₂O Based Thin Film Solar Cells Fabricated by Sputtering Method**

Jae Yu Cho | *Chonnam National University*

Jaeyeong Heo | *Chonnam National University*

ACCMES-2634**Characterization of SnS Thin Film according to Growth Temperature by E-Beam Evaporation**

Gwang Yeom Song | *Chonnam National University*

Jaeyeong Heo | *Chonnam National University*

ACCMES-2683**Ultrathin Film Deposition for Si Anti-Reflection by Atomic Layer Deposition**

Kyeeun Kim | *Chonnam National University*

Gwang Yeom Song | *Chonnam National University*

Jin Hyeok Kim | *Chonnam National University*

Jong Ha Moon | *Chonnam National University*

Jaeyeong Heo | *Chonnam National University*

ACCMES-2301**Energy Performance on Rooftop and Thermal Insulation Analysis for Porous Sintering Brick Integrated with Industrial Wastes**

Han-Hsi Liang | *National United University*

Hsueh-Hung Shih | *National United University*

Kevin Fong-Rey Liu | *Ming Chi University of Technology*

ACCMES-2359**Core-Shell Structure WC/Co Composite Particles Synthesis by Electroless Plating**

Cheng-Chuan Wang | *Industrial Technology Research Institute (ITRI)*

Chia-Ying Yen | *Industrial Technology Research Institute (ITRI)*

An-Pang Chen | *Material and Chemical Research Laboratories (MCL)*

Hsin-Hwa Chen | *Material and Chemical Research Laboratories (MCL)*

GCEAS-557**Comparison of CIGS Films Grown by RF and DC Sputtering**

Chih-Cheng Kao | *Southern Taiwan University of Science and Technology*

Yi-Hao Chen | *Southern Taiwan University of Science and Technology*

Hsiang-Jung Wu | *Southern Taiwan University of Science and Technology*

GCEAS-683**The Effects of Thickness of a Low-Temperature Buffer Layer on the Characteristics of Nitrogen-polar GaN**

Shih-Wei Feng | *National University of Kaohsiung*

Yu-Yu Chen | *National University of Kaohsiung*

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

Qian Sun | *Yale University*

Jung Han | *Yale University*

GCEAS-650**A Distance Technique for Term Assessment Applied to Reuters News Classification and Clustering**

Chien-Hsing Chen | *Ling Tung University*

ACCMES-2365**Systematic Evaluation of A Soil Polluted Site and Its Further Applications**

Chung-Chiang Liu | *National Kaohsiung First University of Science and Technology*

Shyi-Tien Chen | *National Kaohsiung First University of Science and Technology*

Poster Session (3)

Biological Engineering & Natural Science (2)/

Geosciences and Petroleum Engineering

Wednesday, July 20, 2016

15:00-16:00

GCEAS-403

Two-Stage Calibration Method to Adjust Risk of Hip Fracture in COPD Patient

Hui-Wen Lin | *Soochow University*

Shih-Wei Huang | *Taipei Medical University*

ISBENS-25266

Toxic Effects of Lysophosphatidylcholine on Human Endothelial Cells

Jiang-Huei Jeng | *National Taiwan University Hospital*

Mei-Chi Chang | *Chang Gung University of Science and Technology*

Ru-Hsiu Cheng | *Taipei Medical University*

Chiu-Po Chan | *Chang Gung Memorial Hospital*

ISBENS-25267

Toxic Effects of 7-Ketocholesterol on Human Endothelial Cells

Jiang-Huei Jeng | *National Taiwan University Hospital*

Mei-Chi Chang | *Chang Gung University of Science and Technology*

Ru-Hsiu Cheng | *Taipei Medical University*

Chiu-Po Chan | *Chang Gung Memorial Hospital*

ISBENS-24177

Enhancement of Microbial 2,4,6-Trinitrotoluene Degradation with Increased Toxicity by Exogenous Nutrient Amendment

Chien-Cheng Chen | *National Kaohsiung Normal University*

GCEAS-464**Functional Connectivity of the Central Autonomic Network in the Resting Brain**

Jia-Hong Sie | *National Yang-Ming University*

Shang-Yueh Tsai | *National Chengchi University*

Woei-Chyn Chu | *National Yang-Ming University*

Yuo-Hsien Shiau | *National Chengchi University*

GCEAS-468**The Effects of Various Curvature of a Computer Mouse on Loading of the Carpal Tunnel in Computer Tasks**

Yi-Chuan Tsai | *Chung Shan Medical University*

Yu-Chi Chen | *China Medical University*

Peng-Cheng Sung | *Chaoyang University of Technology*

Shu-Zon Lou | *Chung Shan Medical University*

GCEAS-546**Function of Chromokinesin KIF4A in Interphase**

Zi Jia Khong | *Nanyang Technological University*

Hoi Yeung Li | *Nanyang Technological University*

GCEAS-562**Comparison of Muscle Activity and Spinal Curvature in the Sitting Position According to Seat Tilt**

JongEun Yim | *Sahmyook University*

KwangSun Do | *Sahmyook University*

ISBENS-25265**Toxicity of Monosodium Glutamate on Zebra Fish Embryo (Danio Rerio)**

Aranya Ponpornpisit | *Chulalongkorn University*

Naowarat Suthamnatpong | *Chulalongkorn University*

GCEAS-585**The Development of Motion Gaming System for Detecting the Loss of Cognitive Ability in Elderly**

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

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

Min-Wei Huang | *Chiayi Branch, Taichung Veterans General Hospital*

Siang Wang | *Southern Taiwan University of Science and Technology*

Jia-Ying Zhou | *Chiayi Branch, Taichung Veterans General Hospital*

ISBENS-24171**Interlukin-8 Promotes Proliferation of Squamous Cell Carcinoma Cell Lines**

Chia-Hua Liang | *Chia Nan University of Pharmacy and Science*

Leong-Perng Chan | *Kaohsiung Medical University Hospital*

Ya-Ping Tseng | *National Cheng Kung University*

Pin-Ju Chen | *Chia Nan University of Pharmacy and Science*

Wan-Ting Chen | *Chia Nan University of Pharmacy and Science*

ISBENS-24180**Development of Artificial Tears Solution with Anti-Inflammation Component for Dry Eye Syndrome Treatment**

Zhi Yu Chen | *Taipei Medical University*

Ya-Jung Hung | *National Taipei University of Technology*

Ching-Li Tseng | *Taipei Medical University*

Hsu-Wei Fang | *National Taipei University of Technology*

Feng-Huei Lin | *National Taiwan University*

ISBENS-24189**Quality and Antioxidant Properties of Tofu Coagulated with Tsugaru Apple (*Malus domestica* Borkh) Juice**

Keum Il Jang | *Chungbuk National University*

Seung-Hyeon Cha | *Chungbuk National University*

Ji-Eun Ryu | *Chungbuk National University*

Jeong-Youn Yi | *Chungbuk National University*

Dong-Ho Kim | *Chungbuk National University*

ISBENS-24196**Determination of Total Dietary Fiber Content in the Korean Take-out Foods Mucim, Bokkeum, Guk, and Tang**

Keum Il Jang | *Chungbuk National University*

Seung-Hyeon Cha | *Chungbuk National University*

Ji-Eun Ryu | *Chungbuk National University*

Jeong-Youn Yi | *Chungbuk National University*

Dong-Ho Kim | *Chungbuk National University*

ISBENS-24197**Quality and Storage Properties of Hamburger with Reduced Sodium Content**

Keum Il Jang | *Chungbuk National University*

Seung-Hyeon Cha | *Chungbuk National University*

Ji-Eun Ryu | *Chungbuk National University*

Jeong-Youn Yi | *Chungbuk National University*

Dong-Ho Kim | *Chungbuk National University*

ISBENS-24199**Quality and Storage Properties of Salted Egg with Reduced Sodium Content**

Keum Il Jang | *Chungbuk National University*

Seung-Hyeon Cha | *Chungbuk National University*

Ji-Eun Ryu | *Chungbuk National University*

Jeong-Youn Yi | *Chungbuk National University*

Dong-Ho Kim | *Chungbuk National University*

ISBENS-25315**Investigate the Effect of Different DHS Plate Lengths on Femur**

Kuo-Chih Su | *Taichung Veterans General Hospital*

Kui-Chou Huang | *Taichung Veterans General Hospital*

ISBENS-25297**Separation of Concanavalin A and Bio-Sugar Production from Canavalia Ensiformis Seeds Using Magnetic Glyconanoparticles**

Eun Jin Cho | *Chonnam National University*

Hyeun-Jong Bae | *Chonnam National University*

ISBENS-24170**Bioactive Molecules-Loaded Asymmetrically Porous Membrane for Effective Tracheal Tissue Regeneration**

So Ri Lee | *Hannam University*

Tae Ho Kim | *Hannam University*

Seong Keun Kwon | *Seoul National University Hospital*

Jin Ho Lee | *Hannam University*

ISBENS-24160**Measurement of Piezoelectric Response of ZnO Thin Film Using a Periodic Force Generator**

Da-Long Cheng | *Shu-Te University*

Kuo-Sheng Kao | *Shu-Te University*

Jia-Cing Xu | *Shu-Te University*

Wei-Tsai Chang | *Metal Industries Research and Development Center*

Yung-Mao Cheng | *Metal Industries Research and Development Center*

Chia-Hua Liang | *Chia Nan University of Pharmacy and Science*

ISBENS-24172**Diversity and Structure of Soil Bacterial Communities under Long-Term Application of Different Quality of Organic Residues in Tropical Sandy Soil**

Phrueksa Lawongsa | *Khon Kaen University, Faculty of Agriculture*

Patma Vityakon | *Khon Kaen University, Faculty of Agriculture*

ISBENS-24192**Variation in Grain Iron and Zinc Concentration among a Promising Low-Grain Cadmium Rice (*Oryza sativa* L.) Cultivars**

Anongnat Sriprachote | *Khon Kaen University*

Kanolpornth Manantapong | *Kasetsart University*

Pornthiwa Kanyawongha | *King Mongkut's Institute of Technology Ladkrabang*

Kumiko Ochiai | *Kyoto University*

Toru Matoh | *Kyoto University*

ISBENS-24198**The Effect of Different Ages of Rubber Tree Plantation on Carbon Stock**

Porntip Puttasao | *Khon Kaen University, Faculty of Agriculture*

Naruemol Kaewjampa | *Faculty of Forestry, Kasetsart University*

Phrueksa Lawongsa | *Khon Kaen University, Faculty of Agriculture*

ISBENS-24169**Antioxidant Properties of *Salviae Miltiorrhiza* by Using Different Concentrations of Ethanolic**

Shu-Hua Chiang | *Fo Guang University*

Chuan-Hsiao Han | *Fo Guang University*

Shih-Wen Wu | *Fo Guang University*

GCEAS-549**Selection of Decline Curve Method Using the Cumulative Production Incline Rate for Transient Production Data Obtained from a Multi-Stage Hydraulic Fractured Horizontal Well in Unconventional Gas Field**

Dongkwon Han | *Dong-A University*

Hyeongjun Seo | *Dong-A University*

Sunil Kwon | *Dong-A University*

ACCMES-2655**The Potential of Amino Chelating on Synthetic Fibers for Heavy Metal Removal**

Patcharin Racho | *Suranaree University of Technology*

Pinitta Phalathip | *Suranaree University of Technology*

Warutai Dejtanon | *Nakhon Ratchasima Rajabhat University*

ISBENS-25290**The Association of Oxytocin-Related Signaling with Preeclamptic Human Placenta**

Jae-Eon Lee | *Pusan National University*

Beum-Soo An | *Pusan National University*

ISBENS-25292**Therapeutic Effect of *Schisandra Chinensis* on the Hyperprolactinemia by the Regulation of Prolactin Production in the GH3 Rat Pituitary Tumor Cells**

So-Hye Hong | *Pusan National University*

Environmental Sciences/ Mechanical Engineering

Wednesday, July 20, 2016

16:30-17:30

ACCMES-2272

Comparison of UV-C and UV-C LED Germicidal Efficiency for Potable Water Use

Sook Hyun Nam | *Korea Institute of Civil Engineering and Building Technology*

Eun Ju Kim | *Korea Institute of Civil Engineering and Building Technology*

Tae Mun Hwang | *Korea Institute of Civil Engineering and Building Technology*

ACCMES-2287

Application of a Unique Antimicrobial Agent on Surgical Face Masks before Use for Pre-Decontamination of Nosocomial Infection-Related Bioaerosols

Chun Chieh Tseng | *Tzu Chi University*

ACCMES-2288

Biodiesel Production via Transesterification in Carbon Dioxide–Methanol Mixtures: the Role of Heterogeneous Catalysts

Chun-Chi Chen | *Industrial Technology Research Institute*

Lindsay Soh | *Yale University*

Thomas Kwan | *Yale University*

Julie B. Zimmerman | *Yale University*

ACCMES-2292

Photoreaction of Functionalized Carbon Nanotubes in Water

Chia-Ying Chen | *National Chung Hsing University*

Yu Huang | *National Chung Hsing University*

Yen-Chun Chen | *National Chung Hsing University*

Richard G. Zepp | *United States Environmental Protection Agency*

ACCMES-2298

Phosphorus Removal Efficiency of Crystallization-Filtration Process by Seed Materials and pH

HyangYoun Chang | *University of Science and Technology*

HyunMan Lim | *Korea Institute of Civil Engineering and Building Technology*

KwangHo Ahn | *Korea Institute of Civil Engineering and Building Technology*

SeogKu Kim | *University of Science and Technology*

WeonJae Kim | *University of Science and Technology*

ACCMES-2314

Synthesis of Fe-Sodalite and Co-Sodalite and Its Application for Phosphate Removal at Different pH Conditions

Minji Kim | *University of Science and Technology*

Sungyoun Kim | *Korea Institute of Civil Engineering and Building Technology*

Kwangsoo Kim | *Korea Institute of Civil Engineering and Building Technology*

Hyunchul Park | *University of Science and Technology*

Abdul Aziz | *University of Science and Technology*

ACCMES-2322

Characteristic and Treatment of High Concentration Wastewater Generated by Biomass Gasification

Kwangho Ahn | *Korea Institute of Civil Engineering and Building Technology*

I-Tae Kim | *Korea Institute of Civil Engineering and Building Technology*

Wonjae Kim | *Korea Institute of Civil Engineering and Building Technology*

Jinhong Jung | *Korea Institute of Civil Engineering and Building Technology*

Hyunman Lim | *Korea Institute of Civil Engineering and Building Technology*

ACCMES-2328

Evaluation of Pollutants from Vehicle Emission in Electronic Toll Collection System on Highway

Pao Kuei Hsiao | *National Taiwan University*

Shih-Chun Candice Lung | *Academia Sinica*

Ching-Huang Lai | *National Defense Medical Center*

ACCMES-2330

Diurnal Variability of Water Temperature, pH and DO in the Underground Type Fish Shelter

Chang Hyuk Ahn | *Korea Institute of Civil Engineering and Building Technology*

Saeromi Lee | *Korea Institute of Civil Engineering and Building Technology*

Ho Myeon Song | *Korea Institute of Civil Engineering and Building Technology*

Jin Chul Joo | *Hanbat National University*

Jae Roh Park | *Korea Institute of Civil Engineering and Building Technology*

ACCMES-2340

Characterization of Micro-Bubble Generation Properties in DAF Systems to Remove Algae and Suspended Solids

Hyun Man Lim | *Korea Institute of Civil Engineering and Building Technology*

Weon-Jae Kim | *Korea Institute of Civil Engineering and Building Technology*

Young-H. Yoon | *Korea Institute of Civil Engineering and Building Technology*

Jin-Hong Jung | *Korea Institute of Civil Engineering and Building Technology*

Jae-Roh Park | *Korea Institute of Civil Engineering and Building Technology*

ACCMES-2342

Evaluation of Photo-Oxidation Effect Using TiO₂ Coated EPS (Expanded Polystyrene) in the Stagnant Stream Channel

Saeromi Lee | *Korea Institute of Civil Engineering and Building Technology*

Chang Hyuk Ahn | *Korea Institute of Civil Engineering and Building Technology*

Jin Chul Joo | *Hanbat National University*

Jae Roh Park | *Korea Institute of Civil Engineering and Building Technology*

ACCMES-2348

The Impact of School-Age Children on Brominated Persistent Organic Pollutants in the Indoor Dust from the Elementary Schools

How-Ran Chao | *National Pingtung University of Science and Technology*

Cheng-Chih Kao | *National Pingtung University of Science and Technology*

Danielle E Que | *Mapúa Institute of Technology*

ACCMES-2354

To Establish an Integrative Information System for Debris-Flow Disaster

Yuan-Fan Tsai | *National Taipei University of Education*

Chun-Hsiang Chan | *National Taiwan University*

Yuan-Ning Chan | *National Taipei University of Education*

GCEAS-681**A Study on the Performance Test of Evaporated Fuel Treatment Device in the Automobile**

Mi-Jin Jeon | *Korea Testing Laboratory*

Myung-Seop Shin | *Korea Testing Laboratory*

Yong-Woo Jeon | *Korea Testing Laboratory*

ACCMES-2378**Emissions of Persistent Organic Pollutants from a Diesel Engine Using an Aged Diesel Particulate Filters**

Lin-Chi Wang | *Cheng Shiu University*

Wen-Jhy Lee | *National Cheng Kung University*

Shun-I Shih | *Kun Shan University*

John Kennedy Mwangi | *National Cheng Kung University*

ACCMES-2386**Investigating the Influence of Consumers' Green Awareness and Lifestyle on Green Consumption Behavior**

Yi-Wen Liao | *Chia Nan University of Pharmacy & Science*

Zhi-Yuan Su | *Chia Nan University of Pharmacy & Science*

ACCMES-2401**Atomic-Scale Storage Mechanism Studies of the Advanced Anode Materials for Energy Storage**

Xi Wang | *National Institute for Materials Science (NIMS)*

Yoshio Bando | *National Institute for Materials Science (NIMS)*

ACCMES-2618**Nano-Structured Hydroxyapatite with High Surface Area**

Jinsu Kim | *Pusan National University*

Nonni Soraya Sambudi | *Pusan National University*

Husnul Aulia Alamudy | *Pusan National University*

Loc Thien Tran Duong | *Pusan National University*

Cho Kuk | *Pusan National University*

ACCMES-2629

Preparation of Bi₂O₃/TiO₂ Fixed Photocatalysts and Degradation of Aqueous Bisphenol A under Simulated Sunlight

Chao-Yin Kuo | *National Yunlin University of Science and Technology*

Tzu-Hsuan Li | *National Yunlin University of Science and Technology*

Siang-En Syu | *National Yunlin University of Science and Technology*

GCEAS-439

The Efficiency of Lead Leachate from Hazardous Fly Ash Using Microwave Treatment

Chih Mei Chou | *JinWen University of Science Technology*

GCEAS-483

Analysis on Trend of Wildfire and Their Impact on Atmospheric Environment over East Asia

Kwon-Ho Lee | *Gangneung-Wonju National University*

Mi-Kyung Choi | *Gangneung-Wonju National University*

Sung-Kyun Shin | *Gangneung-Wonju National University*

GCEAS-488

Construction of Microbial Fuel Cells That Produce Beneficial Compounds

Shohei Ebe | *Kindai University*

Tatsuya Ohike | *Kindai University*

Masahiro Okanami | *Kindai University*

Takashi Ano | *Kindai University*

GCEAS-489

Integrated Remote Sensing Techniques for the Investigation of Aerosol Properties during the High PM₁₀ Events at Gwangju, Korea

Kwon-Ho Lee | *Gangneung-Wonju National University*

Sung-Kyun Shin | *Gangneung-Wonju National University*

GCEAS-563

Potential of an Actinobacterium for Biological Control

Minori Maeda | *Kindai University*

Yoshihiro Uetsuki | *Kindai University*

Masahiro Okanami | *Kindai University*

Tatsuya Ohike | *Kindai University*

Tetsuya Matsukawa | *Kindai University*

Takashi Ano | *Kindai University*

Shin'ichiro Kajiyama | *Kindai University*

GCEAS-457

Noise Immune Capacity Study of Temporal and Spatial Isochromatic Unwrapping of Digital Photoelasticity

Min-Jui Huang | *National Chung Hsing University*

Jing-Tai Wu | *National Chung Hsing University*

GCEAS-459

Identification of an Electromagnetic Energy Harvester with New Fitness Functions

Tsung-Liang Wu | *National Kaohsiung First University of Science and Technology*

Yu-Hong Lai | *National Kaohsiung First University of Science and Technology*

Rong-Fong Fung | *National Kaohsiung First University of Science and Technology*

GCEAS-552

Heat Transfer Characteristics by Using Nano Fluid in Micro Heat Exchanger

Hyomin Jeong | *Gyeongsang National University*

Hanshik Chung | *Gyeongsang National University*

Sunchul Huh | *Gyeongsang National University*

Junhyo Kim | *Mokpo National Maritime University*

GCEAS-609

Effect of Dropwise Condensation Heat Transfer and Durability on SAMs Surface

Tsung-Sheng Sheu | *ROC Military Academy*

Yun-Cheng Pan | *National Kaohsiung University of Applied Sciences*

Jin-Cherng Shyu | *National Kaohsiung University of Applied Sciences*

GCEAS-454

A Comparative Study for Thermal Characteristics Using Oxidized Carbon Nanotube Nanofluids

Young-Hun Kim | *Jeju National University*

Da-Min Shim | *Jeju National University*

Nam-Jin Kim | *Jeju National University*

Poster Session (5)

Civil Engineering/ Electrical and Electronic Engineering /

Fundamental and Applied Sciences (1)

Thursday, July 21, 2016

9:30-10:30

ACCMES-2247

Application of a Water-Saturated MEPCM-PV for Reducing Winter Chilling Damage on Aqua Farms

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

Rong-Horng Chen | *National Chiayi University*

Wei-Len Chou | *National Cheng Kung University*

Chi-Ming Lai | *National Cheng Kung University*

ACCMES-2256

How Inquiry Project-Based Instruction Affect the Vocational High School Students' Learning Performance

Shiang-Yao Liu | *National Taiwan Normal University*

Chien-Cheng Tsai | *National Tainan Vocational High School*

Chi-Ming Lai | *National Cheng-Kung University*

ACCMES-2358

Static Approach for Damage Detecting by Stiffness Change of Element

Hee-Chang Eun | *Kangwon National University*

Dong-Ho Cho | *Kangwon National University*

Young-Ji Choi | *Kangwon National University*

Eun-Taik Lee | *Chung-Ang University*

ACCMES-2621

Boundary Effect on the Vibration of Layered Stone Pagoda

Byeong Hwa Kim | *Kyungnam University*

Do Hyung Lee | *Paichai University*

ACCMES-2389**Physical Performances Evaluation of Tiles Manufactured from Clay, Sewage Sludge Ash, and Waste Glass**

Deng-Fong Lin | *I-Shou University*

Huan-Lin Luo | *I-Shou University*

Jiin-Po Yeh | *I-Shou University*

Che Kun Liu | *I-Shou University*

ACCMES-2633**KLAPS Rainfall Forecasting Model Evaluation Applied the Lag-Time**

Myoungsun Han | *Korea Institute of Civil engineering and Building Technology*

Jeongho Choi | *Chosun College of Science & Technology*

Dongryul Lee | *Korea Institute of Civil engineering and Building Technology*

ACCMES-2300**Tide-Induced Groundwater Head Fluctuation in a Double Porosity Unconfined Aquifer**

Mo Hsiung Chuang | *Ming-Chuan University*

Hund-Der Yeh | *National Chiao Tung University*

ACCMES-2625**Impact Model Test of a Debris Flow Mitigation System**

K.S. Lee | *Dasan Engineering Co.,LTD.*

S.H. Cho | *Dasan Engineering Co.,LTD.*

J.H. Kim | *Dasan Engineering Co.,LTD.*

B.S. Yoo | *Dasan Engineering Co.,LTD.*

GCEAS-596**An Experimental Study on Geotechnical Measurement Technique Using Metallic Time Domain Reflectometry**

Dae Sung Kim | *Kyungil University*

Ji Hyeung Yoo | *Kyungil University*

Seung Won Lee | *Kyungbok University*

GCEAS-682**Prediction of Settling Velocity of Weathered Soil Using Digital Image Processing**

Donggeun Kim | *Seoul National University*

Younghwan Son | *Seoul National University*

Ho-Sup Jung | *Seoul National University*

Jaesung Park | *Seoul National University*

Taekang Yun | *Seoul National University*

Sanghyub Lee | *Seoul National University*

GCEAS-641**Inductive Coupling Wireless Power Transfer with a LLC Resonant Operation for over Coupled Tx-Rx Inductors**

Kang Hyun Yi | *Daegu University*

GCEAS-407**Effects of V-Doping on the Structural and Electrical Properties of $\text{MBi}_4\text{Ti}_4\text{O}_{15}$ (M=Ca and Sr) Thin Films Prepared by a Chemical Solution Deposition**

Sang Su Kim | *Changwon National University*

Ji Ya Choi | *Changwon National University*

Chinnambedu Murugesan Raghavan | *Changwon National University*

GCEAS-422**Experimental Investigation of Fiber-Bragg-Grating Fiber Lasers and Hybrid PDMOCDMA on Wireless Optical Communications**

Po-Yen Huang | *National Formosa University*

Bo-Rong Huang | *National Formosa University*

Sin-Ting Guo | *National Formosa University*

Hsu-Chih Cheng | *National Formosa University*

GCEAS-423**Common-Path FD-OCT Based on Orthogonally Polarized Light and Phase-Shifting Algorithm**

Jian-Sian Jiang | *National Formosa University*

Yu-An Chen | *National Formosa University*

Hsu-Chih Cheng | *National Formosa University*

GCEAS-476

Intelligent Cognitive Radio Engine Design Using Biogeography Based Optimization

Jung-Chieh Chen | *National Kaohsiung Normal University*

Kai-Hsiang Chen | *National Kaohsiung Normal University*

GCEAS-478

Preparation and Characterization of Graphene-Based Flexible Electrodes for Supercapacitors

Tzu-Yu Cheng | *National Tsing Hua University*

Chen-Chi M. Ma | *National Tsing Hua University*

Sheng-Chi Lin | *National Tsing Hua University*

Jeng-An Wang | *National Tsing Hua University*

Chin-Wen Lin | *National Tsing Hua University*

GCEAS-485

Failure Detection Method of Mecanum-Wheeled Automated Guided Vehicle Using Decision Tree Learning

Jong Shik Kim | *Pusan National University*

Seongbae Park | *Pusan National University*

Sang-Hyo Jeong | *Pusan National University*

GCEAS-515

Design of Adaptive Wavelet Neural Network Control for Active Suspension System

Chiu-Hsiung Chen | *National Chung-Shan Institute of Science and Technology*

Chiung-Chou Liao | *Chien Hsin University of Science and Technology*

Yen-Bin Chen | *National Chung-Shan Institute of Science and Technology*

GCEAS-545

Electrochemical Activities of Various Chemically Reduced Graphene Electrodes for Use in Vanadium Redox Flow Batteries

Chih-Wen Lin | *National Tsing Hua University*

Tzu-Yu Cheng | *National Tsing Hua University*

Sheng-Chi Lin | *National Tsing Hua University*

Jeng-An Wang | *National Tsing Hua University*

Chen-Chi M. Ma | *National Tsing Hua University*

GCEAS-569**LDPC Coded and Decoded Application Systems Using FPGA Design**

Hendrick | *National Kaohsiung University of Applied Sciences*

Cheng-Song Song | *National Kaohsiung University of Applied Sciences*

Su-Yuan Huang | *National Kaohsiung University of Applied Sciences*

Feng-Teng Chang | *National Kaohsiung University of Applied Sciences*

Jia-Wei Liou | *National Kaohsiung University of Applied Sciences*

Gwo-Jia Jong | *National Kaohsiung University of Applied Sciences*

GCEAS-574**An Analysis Method Using Recurrence Plot for Walking Signal Generated by Electrostatic Induction**

Koichi Kurita | *Kindai University*

Naoya Takehisa | *Kindai University*

GCEAS-588**LEGO System Using Sensors for Education**

Kaoru Kouzu | *Kokushikan University*

Zhang Jiaming | *Kokushikan University*

GCEAS-597**State of Charge Estimation for LFP Battery Using Fuzzy Neural Network**

Wen-Yeau Chang | *St. John's University*

GCEAS-610**A 40 GHz Low Power and Low Phase Noise Voltage-Controlled Oscillator**

Ro-Min Weng | *National Dong Hwa University*

Ren-Yuan Huang | *National Dong Hwa University*

Yu-Chuan Chiu | *National Dong Hwa University*

ACCMES-2319**Demonstration Study of Multi-Functioned Floating Treatment Wetlands for Improving Water Quality in Stagnant Artificial River**

Younghan Yoon | *Korea Institute of civil Engineering and Building Technology*

Hyun Man Lim | *Korea Institute of civil Engineering and Building Technology*

Won Jae Kim | *Korea Institute of civil Engineering and Building Technology*

Jae Ro Park | *Korea Institute of civil Engineering and Building Technology*

GCEAS-441

Comparison of Physiological Load among Different Sizes of Computer Mouse

Yao-Wen Hsu | *Ta-Hwa University of Science and Technology*

Lieh Chen | *Ta-Hwa University of Science and Technology*

GCEAS-690

Large Area Film Type Acoustic Metamaterials Utilized by Micro-Structured Resonators

Moon Kyu Kwak | *Kyungpook National University*

GCEAS-452

A Study on Effect of Size and Mixing Ratio of Graphene Particle on the Boiling Heat Transfer Characteristics

Da Min Shim | *Jeju National University*

Young Hun Kim | *Jeju National University*

Nam Jin Kim | *Jeju National University*

Chemical Engineering/

Biological Engineering & Natural Science (3) /

Fundamental and Applied Sciences (2)/

Computer and Information Sciences (2)

Thursday, July 21, 2016

11:00-12:00

GCEAS-414

Effect of Composition on the Photocatalytic Activity of the Mx-Cd_{1-x}S (M= Cu, Fe, Zn, Co, Ni, Mn and In) Arrays

Yu-Ching Weng | *Feng Chia University*

Hao Chang | *Feng Chia University*

GCEAS-466

One Pot Synthesis, Characterization, Biodegradation and Effect of the Crosslinking Agent of Semi-Interpenetrating Polymer Network Hydrogel Based on PVA/ Corn Starch and Acrylic Acid

Nittha Koothammakun | *Ubon Ratchathani University*

Sayant Saengsuwan | *Ubon Ratchathani University*

GCEAS-550

Synthesis of Phosphorus and Calcium with Hydrothermal Treatment on Biodegradable Mg

Yu-Kyoung Kim | *Chonbuk National University*

Min-Ho Lee | *Chonbuk National University*

GCEAS-626

Properties of Oxidized Cellulose from Bacterial Cellulose

Supitcha Rungrodnimitchai | *Thammasat University*

Suphatra Hiranphinyophat | *Thammasat University*

GCEAS-659**Techno-Economic Analysis of Enhanced Absorber-Regenerator Configurations in Acid Gas Removal Processes**

Riezqa Andika | *Yeungnam University*

Le Cao Nhien | *Yeungnam University*

Moonyong Lee | *Yeungnam University*

GCEAS-540**Development of Paired Electrolysis in Ionic Liquid Medium towards Electro-Generation of Homogeneous Catalysts for Environmental Applications**

Muthuraman Govindan | *Sunchon National University*

Kannan Karunakaran | *Sunchon National University*

Il Shik Moon | *Sunchon National University*

ISBENS-24200**Soil Properties and Nutrient Concentrations of Oil Palm Leaf Collected from Small Orchards on the Southern Central Plain of Thailand**

Pornthiwa Kanyawongha | *King Mongkut's Institute of Technology Ladkrabang*

Anongnat Sriprachote | *Khon Kaen University*

Nucharee Boonplang | *King Mongkut's Institute of Technology Ladkrabang*

ISBENS-25275**Characteristics of Macroinvertebrate Community Structure and Organic Enrichment during Autumn in the Mouth of Muan Bay, Korea**

Kyoung Seon Lee | *Mokpo Maritime University*

ISBENS-25277**Evaluation of Horticultural Traits and Genetic Relationship in Melon Germplasm**

Jaemin Jung | *Pusan National University*

Sunghwan Choi | *Pusan National University*

Juyeol Oh | *Gyeongnam Agricultural Research & Extension Services*

Younghoon Park | *Pusan National University*

ISBENS-25280**Transgenic Zebrafish as a Biosensor for Environmental Toxicants**

Huai-Jen Tsai | *Mackay Medical College*

Hung-Chieh Lee | *Mackay Medical College*

Cheng-Yung Lin | *Mackay Medical College*

ISBENS-25296**A Novel Screen for Adjunct Medications in Dementia**

Eun-Mee Kim | *Ulster University*

Jeong-Sup Hong | *Yonam College*

Eugene OHare | *Queens University*

ISBENS-25312**Using Biomarker to Assess Sub Chronic Effects of Cadmium on Tropical Chironomid under the Effect of Temperature**

Chuleemas Boonthai Iwai | *Khon Kaen University*

Atcharaporn Somparn | *Integrated Water Resource Management Research and Development Center in Northeast Thailand*

GCEAS-595**Fabrication and Durability in Water of Bilayer Capsules as an Active Compound Delivery Vehicle for Shrimp**

Peerapong Srichai | *King Mongkut's University of Technology Thonburi*

Tipaporn Yoovidhya | *King Mongkut's University of Technology Thonburi*

Wanilada Rungrasamee | *National Center for Genetic Engineering and Biotechnology*

Saowakon Wongsasulak | *King Mongkut's University of Technology Thonburi*

GCEAS-674**Functional Differences of AquaporinZ in Different Lipid Membranes**

Xinshan Lim | *National University of Singapore*

Qingsong Lin | *National University of Singapore*

GCEAS-443**Improved Output Power of Organic Light-Emitting Diodes by Single Layer Micro-Spheres Array Technology**

Chang-Rong Lin | *National Central University*

Yu-Chun Chiu | *National Central University*

Chi-An Chen | *National Central University*

Mai-Chi Liu | *National Central University*

Chia-Hua Chan | *National Central University*

GCEAS-444**Recycling Eggshell to Synthesis CaTiO_3 for Perovskite Solar Cell Application**

Chang-Rong Lin | *National Central University*

Mai-Chi Liu | *National Central University*

Yu-Wei Lin | *National Central University*

Zhe-Jia Zhang | *National Central University*

Chia-Hua Chan | *National Central University*

GCEAS-406**The Hierarchical Tour-Sites Recommendation Mechanism for Tourism Navigation Systems**

Gwo-Jiun Horng | *Southern Taiwan University of Science and Technology*

Chih-Lun Chou | *Ming Chuan University*

GCEAS-424**Robust Patch-Based Food Recognition**

Duan-Yu Chen | *Yuan Ze University*

Hao-Syuan Wang | *Yuan Ze University*

GCEAS-425**A Member's Reference Degree Analysis Approach for Virtual Community**

Shih-Ting Yang | *Nanhua University*

Yu-You Chen | *Nanhua University*

GCEAS-461**Automatic Computer-Aided Diagnosis of Breast Cancer in Digital Mammograms via Deep Belief Network**

Mohammed A. Al-masni | *Kyung Hee University*

Sung-Un Park | *Kyung Hee University*

JunHyeok Park | *Kyung Hee University*

Yasser M. Kadah | *King Abdulaziz University*

Seung-Moo Han | *Kyung Hee University*

Tae-Seong Kim | *Kyung Hee University*

Mugahed A. Al-antari | *Kyung Hee University*

GCEAS-507**An Optimization Approach for Threshold Secret Image Sharing Based on the XOR Operation**

Kai-Hui Lee | *Ming Chuan University*

Pei-Ling Chiu | *Ming Chuan University*

GCEAS-534**Runtime Image Management Policy of the Cache Image Loading Method**

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

GCEAS-537**Adaptive NPC Navigation via Automatic Waypoint Modification**

Kyeonah Yu | *Duksung Women's University*

GCEAS-612**The Development of a Mobile Image Retrieval Application Based on BRIEF Features**

Ding-Horng Chen | *Southern Taiwan University of Science and Technology*

Tsai-Rong Chang | *Southern Taiwan University of Science and Technology*

Chun-Sheng Tu | *Southern Taiwan University of Science and Technology*

GCEAS-624**Standard Based Healthcare Service Integration Model for Mobile Health Applications**

Surin Kim | *Gachon University*

Heejoung Hwang | *Gachon University*

GCEAS-628**Effects of Non-Overlapped Implantation (NOI) Synaptic MOSFET Models on the Analog Artificial Neural Network Circuit**

Shang Wei Chou | *Chun-Yuan Christian University*

Hong Xiu Chen | *Chun-Yuan Christian University*

Yueh Lin Chiang | *Chun-Yuan Christian University*

Jhong Jyun Cai | *Chun-Yuan Christian University*

Erik S. Jeng | *Chun-Yuan Christian University*

GCEAS-643**Blurry Video Frame Classification for Computer-Assisted Diagnosis in Endoscopy**

Chia-Hsiang Wu | *I-Shou University*

Mei-Yun Su | *I-Shou University*

Chien-Chen Chang | *National Cheng Kung University Hospital & Medical College*



