

Conference Program

December, 2014
Tokyo, Japan

TICEAS

Tokyo International Conference on Engineering
and Applied Science

TICSS

Tokyo International Conference on Social
Sciences

SEDT

Tokyo International Conference on Software
Engineering and Digital Technology

ILSBE

Tokyo International Conference on Life Science
and Biological Engineering

ICEAP

International Conference on Education and
Psychology

TICEAS

Tokyo International Conference on Engineering and Applied Science

ISBN 978-986-5654-07-8

TICSS

Tokyo International Conference on Social Sciences

ISBN 978-986-5654-06-1

SEDT

Tokyo International Conference on Software Engineering and Digital Technology

ISBN 978-986-5654-05-4

ILSBE

Tokyo International Conference on Life Science and Biological Engineering

ISBN 978-986-5654-04-7

ICEAP

International Conference on Education and Psychology

ISBN 978-986-5654-03-0

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Conference Schedule

December 18, 2014		
Oral Session		
Time	Information	
08:30-17:30	Registration	
08:45-10:15	707	Society I
	708	Communication / Culture I
	709	Fundamental & Applied Sciences I
	703	Computing Science & IT Engineering I
10:15-10:30	Tea Break	
10:30-12:00	707	Education I
	708	Communication / Culture II
	709	Biomedical Engineering
	703	Electrical & Electronic Engineering I
12:00-13:00	Lunch Time	Welcome Speech
13:00-14:30	707	Economics
	708	Life Science I
	709	Fundamental & Applied Sciences II
	703	Civil Engineering I
14:30-14:45	Tea Break	
14:45-16:15	707	Education II
	708	Life Science II
	709	Material Science & Engineering I
	703	Biological Science
16:15-16:30	Tea Break	
16:30-18:30	707	Management I
	708	Mechanical Engineering I
	709	Environmental Engineering I
	703	Computing Science & IT Engineering II (Artificial Intelligence and Expert Systems)

December 18, 2014

Best Paper Award Presentation

701

10:30-12:00	Keynote Speaker Session: Natural Science Keynote Speech: <u>Prof. Drew Hwang, California State Polytechnic University, Pomona</u> Topic: " Web Application Security in the Cloud " Social Science Keynote Speech: <u>Prof. Adriana Edwards Wurzinger, Saitama University, Japan</u> Topic: "Whack Your Thinking: Reconsidering Identity & its Multiple Layers to Promote Creativity"
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12:00-13:00 **Lunch Time**

Poster Session

701

13:30-14:30	Communication
	Law
	Management
	Psychology
	Educaiton
	Life Science
15:00-16:00	Biological Science
	Biomedical Engineering
	Chemical Engineering
	Material Science and Engineering
16:30-17:30	Model and Algorithm
	Civil Engineering
	Electrical & Electronic Engineering
	Fundamental and Applied Sciences
	Mechanical Engineering
	Environmental Engineering

December 19, 2014

Oral Session

08:30-17:30	Registration	
08:45-10:15	707	Management II
	708	Communication / Culture III
	709	Fundamental & Applied Sciences III
10:15-10:30	Tea Break	
10:30-12:00	707	Education III
	708	Society II
	709	Civil Engineering II
12:00-13:00	Lunch Time	
13:00-14:30	707	Politics / Law
	708	Life Science III
	709	Environmental Engineering II
14:30-14:45	Tea Break	
14:45-16:15	707	Education IV
	708	Mechanical Engineering II
	709	Electrical & Electronic Engineering II
16:15-16:30	Tea Break	
16:30-18:00	707	Psychology
	708	Material Science & Engineering II
	709	Computing Science & IT Engineering III (Technologies and applications)

Conference Venue Information

Hotel

TOSHI CENTER HOTEL

[Tel:+81-3-5216-8801\(Room division\)](tel:+81-3-5216-8801)

[Fax:+81-3-3262-1705](tel:+81-3-3262-1705)

[Email: toshicenter.info@rihga.com.jp](mailto:toshicenter.info@rihga.com.jp)

<http://www.toshicenter.co.jp/e/index.html>

The Toshi Center Hotel features the perfect combination of gentle light, greenery and tranquil surroundings for you to relax following a hard day of work or sightseeing. Located in Hirakawa-cho, Tokyo, the Hotel is perfectly placed in the heart of the city's government and business district, and boasts a full range of facilities.



Access to the Toshi Center Hotel

- 4 minute-walk from Exit No.1 of Kojimachi station, Yurakucho Subway Line.
- 4 minute-walk from Exit No.4 or 5 of Nagatacho Station, Yurakucho/Hanzomon Subway Lines.
- 3 minute-walk from Exit No.9 of Nagatacho Station,Nanboku Subway Line.
- 8 minute-walk from Exit D of Akasaka Mitsuke Station,Marunouchi / Ginza Subway Lines.
- 14 minute-walk from Kojimachi exit of Yotsuya Station, JR Chuo Line.
- By bus, Hiraakawacho 2-chome Toshi Center-mae.
(Shinbashi - Ichigaya - Kotakibashi Shako route)
- By car, five minutes from kasumigaseki exit, Shuto Expressway.

Conference Venue Floor Plan (7F)



General Information for Participants

*** Information and Registration**

The Registration and Information Desk will be situated in the **TOSHI CENTER HOTEL** on the **seventh floor**, and will be open at the following times:

08:30-17:30, December 18, 2014

08:30-17:30, December 19, 2014

Organizer

Higher Education Forum (HEF)

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



*** Presentations and Equipment**

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 that you bring two copies the file in case of one fails. You may also link your own laptop to the provided projector, however please ensure you have the requisite connector.

*** A Polite Request to All Participants**

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



Sandals or Slippers



Tank Top



Shorts

*** Poster Sessions & Poster Requirements**

Materials Provided by the Conference Organizer:

1. X-frame display & Base Fabric Canvases (60cm×160cm)
2. Adhesive Tapes or Clamps



Materials Prepared by the Presenters:

1. Home-made Poster(s)
2. Material: not limited, can be posted on the canvases
3. 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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Social Sciences Keynote Speech

701

10:30-12:00

December 18, 2014

Topic: "Whack Your Thinking: Reconsidering Identity & its Multiple Layers to Promote Creativity"

Adriana Edwards Wurzinger

Associate Professor

Saitama University, Center for English Education &
Development (CEED) Japan



Areas of specialization: Sociology of Identity and Human Emotions, Micro-expressions and Facial Coding System, Sociology of Migrations, Social Anthropology of Identity, History of the Witch-Craze in the Late Middle Ages and the Renaissance, Slavery History, Global Migrations History, Conflict Resolution, Public Speaking Training & Drama.

Natural Sciences Keynote Speech

701

10:30-12:00

December 18, 2014

Topic: "Web Application Security in the Cloud "

Drew Hwang, Ph.D.

Professor, Computer Information Systems
California State Polytechnic University, Pomona



Today's Web platform offers more risks to expose corporate programs and data from unauthorized access, use, disclosure, destruction, modification, and disruption. With the rise of cloud computing, organizations have become accustomed to subscribing to web applications -- Microsoft Office 365 for Office apps, Salesforce.com, Adobe Creative Cloud. Some even begin to consider moving their business Web applications to the cloud.

However, there are plenty of security concerns with Web application running in the cloud. Where will the data be located? Is there any provision for regulatory compliance? How does a cloud detect a compromise or intrusion? Above all, the biggest question is still with whether cloud computing environments are as safe as on-premises deployments. One would argue that it will depend on the security measures implemented in each environment, while another would simply suggest that overall the cloud is not inherently less safe than the enterprise data center.

This presentation analyzes the fundamental differences between Web applications and cloud-based Web applications, evaluates risks associated with Web applications running in and out a cloud, and addresses issues in the planning and deployment of the migration.

BIO

Dr. Drew Hwang is a Professor of Computer Information Systems at. He holds a B.S. in Business Administration, a M.S. in Information Systems, and a Ph.D. in Management Information Systems. He is also the acting chair of the Center for Applied Business Information Technology at Cal Poly Pomona.

Dr. Hwang's research interests include secure Web development, electronic commerce, multichannel e-marketing, design and development of Internet-based information systems, , decision support systems, expert systems, Web services, Information System education, and others. He has published many research papers in refereed journals such as Decision Support Systems, Omega, Information and Management, Journal of Information Science, Journal of the American Society for Information Science and Technology, and so on.

Dr. Hwang has also had abundant industry experiences as a system analyst, project manager, IT consultant, and chief technology officer in the area of business computer information systems. He was a co-founder and the chief developer of eHongKong.com, an ecommerce portal site which successfully secured a venture funding of US\$36 millions from one of the top five enterprises in Hong Kong in 2000.

Oral Sessions – December 18th, 2014

Society I

707

2014/12/18 Thursday 08:45-10:15

Session Chair: *Prof. Ranjan Bandyopadhyay*

TICSS-240

Income and Limits of Low-Income Earner in the City: Quantifying the Transportation Affordability

Zaharah Mohd Yusoff | *Universiti Teknologi MARA*

Nor Aizam Adnan | *Universiti Teknologi MARA*

Fazzami Othman | *Universiti Teknologi MARA*

TICSS-33

The Influence of International Labour Migration on the Family Institution in Sri Lanka

Geethani Amarathunga | *University of Kelaniya*

TICSS-323

Volunteer Tourism: Colonialism Revisited?

Ranjan Bandyopadhyay | *Mahidol University*

TICSS-375

Livelihoods Strategy in the National Park Bantimurung Bulusaraung Maros District South Sulawesi Province Indonesia

Sitti Rahbiah Busaeri | *University of Muslim Indonesia (UMI) Makassar*

Darmawan Salman | *University of Hasanuddin (UNHAS) Makassar*

Yusran | *University of Hasanuddin (UNHAS) Makassar*

Imam Mujahidin Fahmid | *University of Hasanuddin (UNHAS) Makassar*

Communication / Culture I

708

2014/12/18 Thursday 08:45-10:15

Session Chair: *Prof. Wirat Wongpinunwatana*

TICSS-353

A Study of Everyday Communications of Isan Workers in Bangkok City

Wirat Wongpinunwatana | *Khon Kaen University*

TICSS-382

Political Communication in Political Movement of People's Democratic Reform Committee (PDRC)

Walee Khanthuan | *Khon Kaen University*

Marasri Sorthip | *Khon Kaen University*

TICSS-279

"She against HER": Reading [,] Heterolingualism and Gender in DICTEE

Andrea Mendoza | *Cornell University*

TICSS-78

Semantic Translation and Subtitle Presentation on Cape No.7

Yi-Wen Chen | *National Chiayi University*

Po-Ting Grace Fang | *I-Shou University*

Fundamental & Applied Sciences I

709

2014/12/18 Thursday 08:45-10:15

Session Chair: *Prof. Nisakorn Somsuk*

TICEAS-240

Anomalous Dispersion of Microstructure Fiber Laser Based on Intracore High-Energy Femtosecond

Brij Mohan Kumar Prasad | *Dronacharya College of Engineering*

Aparna Bawankan | *Dronacharya College of Engineering*

TICEAS-137

Investigating the Non-homogeneity Characteristics of Sponsored Research

Noor Saifurina Nana Khurizan | *Universiti Sains Malaysia*

Adli Mustafa | *Universiti Sains Malaysia*

TICEAS-127

Group Decision Making for Prioritization of Enabling Factors for Business Incubators: The Correlation and Sensitivity Analysis

Nisakorn Somsuk | *Eastern Asia University*

TICEAS-57

Using Mathematica in Engineering Mathematics and Computational Physics

Niyazi Yükcü | *Adiyaman University*

TICEAS-96

Dimensions Ranges of Seats for Elderly People with Dynamic Needs

Jo-Han Chang | *National Taipei University of Technology*

Pao-Ching Tsai | *National Taipei University of Technology*

TICEAS-398

Effect of Hot Food Consumption Campaign on Dynamical Model of Cholera

Phagamas Mhodjam | *Suratthani Rajabhat University*

Surapol Naowarat | *Suratthani Rajabhat University*

Computing Science & IT Engineering I

703

2014/12/18 Thursday 08:45-10:15

Session Chair: *Prof. Wichian Premchaiswadi*

TICEAS-347

Developing a Mobile Healthcare System to Find and Deliver Medical Records in Emergency Situations

Wichian Premchaiswadi | *Siam University*

Walisa Romsaiyud | *Siam University*

Nucharee Premchaiswadi | *Siam University*

TICEAS-167

Fuzzy Rule Based Technique for Enhancement of X-Ray Image

Sonal Anand | *National Institute Technical Teachers' Training & Research*

Shailendra Singh | *National Institute Technical Teachers' Training & Research*

TICEAS-258

Design of Motor Vehicle Insurance Policy Management Application

Anak Agung Gde Agung | *Telkom University*

TICEAS-302

Automating Big Data Analysis: Malaysia CERT Experience

Sharifah Roziah Mohd Kassim | *Cybersecurity Malaysia*

Wira Zanoramy A. Zakaria | *Cybersecurity Malaysia*

Education I

707

2014/12/18 Thursday 10:30-12:00

Session Chair: ***Prof. Rosukhon Swatevacharkul***

TICSS-92

Easing Students Stress with Continous Assessment Components

Wing Sze Bidy Yiu | Hong Kong Polytechnic University

TICSS-306

The Effectiveness of Role- Playing Technique in Teaching Arabic Communication: A Case Study at University of Sultan Zainal Abidin in Terengganu, Malaysia

Nik Murshidah Nik Din | *University of Sultan ZainalAbidin*

Normila Noruddin | *University of Sultan ZainalAbidin*

Rahimah Embong | *University of Sultan ZainalAbidin*

Raja Hazirah Raja Sulaiman | *University of Sultan ZainalAbidin*

Nooranida Awang | *University of Sultan ZainalAbidin*

Mohd Taufiq Talib | *University of Sultan ZainalAbidin*

Zaiton Mustafa | *University of Sultan ZainalAbidin*

TICSS-203

Readiness for Autonomous English Learning of Thai Students: A Focus on Gender

Rosukhon Swatevacharkul | *Dhurakij Pundit University*

TICSS-210

Relationship among Listening Anxiety, Achievement and Listening Comprehension Strategies Used by EFL Students

Wang Ze | *Chaoyang University of Technology*

Pi-Ying Hsu | *Chaoyang University of Technology*

Chin-Ling Lee | *National Taichung University of Science and Technology*

TICSS-381

School Leadership in Latin America, Decentralized Systems

Lester Abdul Zamora Rizo | *National Chung Cheng University*

Communication / Culture II

708

2014/12/18 Thursday 10:30-12:00

Session Chair: *Prof. Harkirat Kaur*

TICSS-348

Re-Investigating the Paradigms of Identity, Values and Culture in Order to Consider the Extent to Which Self-Analysis Can Revolutionarize

Harkirat Kaur | *Dr. D. Y. Patil ACS College, Pune University*

TICSS-373

Serial Verbs Constructions in Sukhothai Historical Texts

Thanwaporn Sereechaikul | *Kasetsart University*

TICSS-156

Compliment Response Strategies in Thai Used by Chinese People in Thailand

Qing Li | *Khon Kaen Universtiy*

Supakit Buakaw | *Khon Kaen Universtiy*

TICSS-32

The Regional Expansion of Vintage Motor Cars Imported to Sri Lanka in the Latter Part of the 19th Century and Beginning of the 20th Century

Dinithi Nadeera Wijesuriya | *University of Kelaniya*

TICSS-425

Enhanced Life, Endangered Life: The Medicalization of Dr. Moreau's Island³⁴³

Chung-jen Chen | *National Taiwan University*

TICSS-361

Transcendental Meaning in Production Black Tiger Shrimp (*Penaeus Monodon*) Export Destination Japan (Case Study Management of Marginal Shrimp Pond in Tasiwalie Village Pinrang District of Indonesia)

Muhammad Hattah Fattah | *Universitas Muslim Indonesia*

Sitti Rahbiah Busaeri | *Universitas Muslim Indonesia*

Biomedical Engineering

708

2014/12/18 Thursday 10:30-12:00

Session Chair: *Prof. Shiannfong Huang*

TICEAS-260

A Remote Body Weight Care System

Shiannfong Huang | *Oriental Institute of Technology*

Jia Cheng Yang | *National Taipei University of Technology*

Meng-Che Hsieh | *Oriental Institute of Technology*

TICEAS-338

A Novel Microfluidic Flow Switch Based on the Multi-Resonance Design of Valveless Micropump

Ming Che Hsieh | *National Taiwan University*

Ming Fan Huang | *National Taiwan University*

An Bang Wang | *National Taiwan University*

TICEAS-352

Wireless Control of Micropump System Using Flexible Circuit Board for Implantable Drug Delivery Applications

Pao-Cheng Huang | *National Cheng Kung University*

Yu-Shu Chang | *National Cheng Kung University*

Min-Haw Wang | *Chinese Culture University*

Ming-Kun Chen | *National Cheng Kung University*

Ling-Sheng Jang | *National Cheng Kung University*

TICEAS-129

Simulation of Heat Transfer in the Human Breast under Laser Ablation

Teerapot Wessapan | *Eastern Asia University*

Electrical & Electronic Engineering I

703

2014/12/18 Thursday 10:30-12:00

Session Chair: *Prof. Jung-Min Yang*

TICEAS-58

Switched Asynchronous Sequential Machines with Transient Faults

Sang Sik Lee | *Kyungpook National University*

Jung-Min Yang | *Kyungpook National University*

TICEAS-141

A Study of Leisure Boat Electric Power Management System

Wei-Yuan Dzan | *National Kaohsiung Marine University*

Shi-Jer Lou | *National Pingtung University of Science and Technology*

Yuh-Ming Cheng | *Shu Te University*

Ru-Chu Shih | *National Pingtung University of Science and Technology*

TICEAS-279

Sensor Installation for Data Fusion for Detecting UAV Control Surface Fault

Zulhilmy Sahwee | *Universiti Kuala Lumpur*

Nazaruddin Abd. Rahman | *Universiti Tenaga Nasional*

Khairul Salleh Mohamed Sahari | *Universiti Tenaga Nasional*

Economics

707

2014/12/18 Thursday 13:00-14:30

Session Chair: *Prof. José G. Vargas-Hernández.*

TICSS-74

Teaching Entrepreneurship: Impact of Business Training on Performance of Microenterprises

Quan V Le | *Seattle University*

TICSS-380

The Linkage Analysis of Economic Sectors and the Role of Key Sectors to Drive the Economic Growth in Bogor Regency, Indonesia (Economic and Spatial Approach)

Dessy Rachmawatie | *Bogor Agricultural University*

Setiahadi | *Bogor Agricultural University*

Didit Okta Pribadi | *The Indonesian Institute of Sciences*

TICSS-313

Strategic Integration between U.S. Airways and Iberia in One World

José G. Vargas-Hernández | *Universidad de Guadalajara*

TICSS-391

Factors Associated on the Evaluation of Economic Units in Mexico

Arturo Córdova-Rangel | *Universidad Politécnica de Aguascalientes*

José G. Vargas-Hernández | *Universidad de Guadalajara*

Arturo García-Santillán | *Universidad Cristóbal Colón*

María de Lourdes Y, Margain-Fuentes | *Universidad Politécnica de Aguascalientes*

Lourdes Isabel Ávila | *Universidad Politécnica de Aguascalientes*

Teresa Zamora-Lobato | *Universidad Cristóbal Colón*

TICSS-326

FDI - A Boon or Bane for Indian Farmers?

Srinivasan Selvam | *P. V. K. N. Government College*

TICSS-349

Is FDI bestow upon India ?

Kesavulu Konagi | *Government of Telangana*

Life Science I

708

2014/12/18 Thursday 13:00-14:30

Session Chair: *Prof. Mayura Soonwera*

ILSBE-100

Analysis of Wetland Parameters as Basis for the Development of Criteria to Assess Mangrove Ecosystem Health (Case Study: Banten Bay, Indonesia)

Devi N. Choesin | *Institut Teknologi Bandung*

Dimas T.A. Panjaitan | *Institut Teknologi Bandung*

ILSBE-52

Laccases Production by *Pleurotus Ostreatus* on Grass *Panicum Maximum* and Their Kinetic Study

Felipe Guio | *Universidad Nacional de Colombia*

Diana Morales-Fonseca | *Universidad Nacional de Colombia*

Mario Velásquez-Lozano | *Universidad Nacional de Colombia*

ILSBE-64

The Development of the CCA Wood Preserving for Bamboo Greenhouse on Highland Farming

Parisa Budsanee | *Kasetsart University*

Nikhom Laemsak | *Kasetsart University*

Pramote Suksatit | *Ang-Khang Royal Agriculture Station*

ILSBE-80

Acceptance by Thai Consumers on Mealworm Snack Products

Premkamon Nahuanong | *King Mongkut's Institute of Technology Ladkrabang*

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

ILSBE-23

Pediculosis Capitis among Kindergarten in Ladkrabang Area, Bangkok, Thailand

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

Sirawut Sitichok | *King Mongkut's Institute of Technology Ladkrabang*

Orawan Wongnet | *King Mongkut's Institute of Technology Ladkrabang*

ILSBE-124

The Prevalence and Diversity of Legionella pneumophila in Domestic and Environmental Water Isolates in Kuwait

Ashraf Ahmad | *Kuwait Institute for Scientific Research (KISR)*

Fundamental & Applied Sciences II

709

2014/12/18 Thursday 13:00-14:30

Session Chair: *Prof. Tsunehisa Imada*

TICEAS-65

All-Pairwise Multiple Comparison Procedures for Checking Correlations among Several Normal Random Variables

Tsunehisa Imada | *Tokai University*

TICEAS-121

Evaluating and Designing a Board Game with Rules and Diverse Gameplays

Jo-Han Chang | *National Taipei University of Technology*

Chung-Jung Wu | *National Taipei University of Technology*

TICEAS-95

Numerical Approximations of Average Run Length for Exponential Distribution of Two-side CUSUM Chart

Sophana Somran | *King Mongkut's University of Technology North Bangkok*

Saowanit Sukparungsee | *King Mongkut's University of Technology North Bangkok*

Yupaporn Areepong | *King Mongkut's University of Technology North Bangkok*

TICEAS-283

Evaluation of Nitrogen-Foam Flooding in Heterogeneous Reservoir

S.J.Shaikh | *Chulalongkorn University*

F.Srisuriyachai | *Chulalongkorn University*

TICEAS-24

About Singular Controls of Stochastic Switching Systems

Charkaz Aghayeva | *Anadolu University*

TICEAS-386**Pharmacophore Modeling of PETT Derivatives: Role of Energy and Dimensional Parameters**

Mamta Thakur | *Softvision College*

Pushpa Makwane | *Holkar Science P.G. College*

Abhilash Thakur | *National Institute of Technical Teachers' Training and Research*

Lalit Jain | *Jain University*

Amit Tiwari | *Jain University*

B. Shaik | *National Institute of Technical Teachers' Training and Research*

TICEAS-182**Local Wisdom (Pranata Mangsa) and Farmer's Comprehension in the Face of Climate Change**

Monika Murtiasningrum Widodo | *Gadjah Mada University*

Audi Karina Choirunisa | *Gadjah Mada University*

Hafidz Bachtiar | *Gadjah Mada University*

Kusuma Wardani Laksitaningrum | *Gadjah Mada University*

Civil Engineering I

703

2014/12/18 Thursday 13:00-14:30

Session Chair: *Prof. Syed Ishtiaq Ahmad*

TICEAS-267

Experimental and Finite Element Analysis of Bolted GFRP Connections

Yeou-Fong Li | *National Taipei University of Technology*

Chung-Cheng Yu | *National Taipei University of Technology*

Ousman Jobe | *National Taipei University of Technology*

TICEAS-350

Effect of Chemical Warm Asphalt Additive on Wettability of Aged Binder Incorporating Waste Engine Oil

Nurul Hidayah Mohd Kamaruddin | *Universiti Tun Hussein Onn Malaysia (UTHM)*

Mohd Rosli Hainin | *Universiti Teknologi Malaysia (UTM)*

Norhidayah Abdul Hassan | *Universiti Teknologi Malaysia (UTM)*

Mohd Ezree Abdullah | *Universiti Tun Hussein Onn Malaysia (UTHM)*

TICEAS-400

Characteristics of Construction Worker Fatal Accidents in Bangladesh

Syed Ishtiaq Ahmad | *Bangladesh University of Engineering and Technology*

Mahbub Ul Alam Mohammad Jamal | *Bangladesh University of Engineering and Technology*

TICEAS-345

Fresh and Hardened Properties of Concrete Containing Steel Fibre and Polypropylene Fibre (HyFRCC)

Wan Amizah Wan Jusoh | *Universiti Tun Hussein Onn Malaysia*

Izni Syahrizal Ibrahim | *Universiti Teknologi Malaysia*

Abdul Rahman Mohd Sam | *Universiti Teknologi Malaysia*

Sk Muiz Sk Abd Razak | *Universiti Teknologi Malaysia*

Education II

707

2014/12/18 Thursday 14:45-16:15

Session Chair: *Prof. Chi Yuan Chen*

TICSS-137

The Study of the Faculty Development in Higher Education in Taiwan

Chi-Yuan Chen | *Chinese Culture University*

TICSS-297

Using Social Media to Improve Learners' Willingness to Communicate in English

Nuttakritta Chotipaktanasook | *Dhurakij Pundit University*

TICSS-98

Psychological Reconditioning towards Greater Learner Autonomy among Highly Proficient Tertiary Students in Hong Kong

Hoi-Wing Chan | *The Hong Kong Polytechnic University*

TICSS-359

Exploring the Spatial Configuration of Housing Layout and Residential Burglary Event in Klang Valley: A Review of Literature

Fazzami Othman | *Universiti Teknologi MARA*

Zaharah M. Yusoff | *Universiti Teknologi MARA*

Eran S.S M.Sadek | *Universiti Teknologi MARA*

TICSS-368

Higher Education and Citizenship Education: Experience from Hong Kong

Suyan Pan | *The Hong Kong Institute of Education*

Life Science II

708

2014/12/18 Thursday 14:45-16:15

Session Chair: *Prof. Iriawati*

ILSBE-102

In Vitro Polyploidy Induction in Foxtail Millet (*Setaria Italica* (L) Beauv)) CV. Buru Hotong

Iriawati | *Institut Teknologi Bandung*

Asep Rodiansyah | *Institut Teknologi Bandung*

ILSBE-25

Toxicity Evaluation of Five Natural Herbal Essential Oils Against *Aedes aegypti* (Linn.) in Laboratory Bioassay

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

Siriporn Phasomkusolsil | *US Army Medical Component, Armed Forces Research Institute of Medical Sciences*

ILSBE-46

Fermentation of Enzymatic Hydrolysates of Sugar Cane Bagasse by a Colombian Native Strain of *Saccharomyces Cerevisiae* for the Production of Cellulosic Ethanol

Diana Morales-Fonseca | *Universidad Nacional de Colombia*

Richard Ruiz-Merchan | *Universidad Nacional de Colombia*

Jose Montoya-Baca | *Universidad Nacional de Colombia*

Mario Velásquez-Lozano | *Universidad Nacional de Colombia*

Yina Cifuentes-Triana | *Universidad Nacional de Colombia*

ILSBE-47

Cell Division Controls Apple Fruit Size in Three Cultivars and Apple Fruit Cell Cultures Appear to Mimic Early Fruit Development

Siti Khadijah A. Karim | *Universiti Teknologi MARA*

ILSBE-50

Genome Characterization of Recently Discovered Photosynthetic Microbes

David R. Nelson | *New York University Abu Dhabi*

Marc Arnoux | *New York University Abu Dhabi*

Kourosh Salehi-Ashtiani | *New York University Abu Dhabi*

ILSBE-32

Isolation and Characterization of Low Phytic Acid Mutant in Soybean [Glycine max (L.) Merr.]

Jeevakoti Apparao Boddu | *Jijamata College of Science and Arts*

Material Science & Engineering I

709

2014/12/18 Thursday 14:45-16:15

Session Chair: *Prof. M.I.Masoud*

TICEAS-90

The Study of Physical and Thermal Properties of Nanoparticle/HDPE Nanocomposites

Harun Sepet | *University of Selcuk*

Necmettin Tarakçioğlu | *University of Selcuk*

TICEAS-91

Investigation of Mechanical Properties of Nanoclay Reinforced High Density

Polyethylene Nanocomposites

Harun Sepet | *University of Selcuk*

Necmettin Tarakçioğlu | *University of Selcuk*

TICEAS-66

Aging Behavior of Cu-1.9wt%Be Alloy under Different Plastic Stress Modes

M.I.Masoud | *Northern Border University*

TICEAS-394

Microstructural Instability and Strength of Ti-10Al-2Nb Alloy after Severe Plastic Deformation

Anna Zofia Jastrzebska | *National Institute for Materials Science*

Kondi Santharam Suresh | *National Institute for Materials Science*

Tomonori Kitashima | *National Institute for Materials Science*

Yoko Yamabe-Mitarai | *National Institute for Materials Science*

Zbigniew Pakielna | *National Institute for Materials Science*

TICEAS-143

α -Fe₂O₃ Thick Film for NH₃ Gas Sensing at Room Temperature

Nittaya Tamaekong | *Maejo University*

Chaikarn Liewhiran | *Chiang Mai University*

Anurat Wisitsoraat | *National Electronics and Computer Technology Center*

Jatuphong Varith | *Maejo University*

Sukon Phanichphant | *Chiang Mai University*

Biological Science

703

2014/12/18 Thursday 14:45-16:15

Session Chair: *Prof. P. Ponmurugan*

ILSBE-38

0.4T Static Magnetic Field Enhances Proliferation of Isolated Dental Pulp Stem Cells by Increased Cell Membrane Rigidity

Wei-Zhen Lew | *Taipei Medical University*

Che-Tong Lin | *Taipei Medical University*

Ming Huang | *Taipei Medical University*

ILSBE-43

Transcription Analysis for Early Healing Bone Treated with Dentin Powders

Yu-Chih, Huang | *Taipei Medical University*

Haw-Ming Huang | *Taipei Medical University*

ILSBE-63

Initial Investigation of Photo-Patterning Methods to Realize 3D Biodegradable Scaffold

Yudan Whulanza | *Universitas Indonesia*

Indra Sakti Harahap | *Universitas Indonesia*

Jos Istiyanto | *Universitas Indonesia*

Gandjar Kiswanto | *Universitas Indonesia*

ILSBE-76

Mass Production of *Streptomyces Griseus* for the Biological Control of Rhizome Rot Disease in Turmeric Plants through Bioprocess Engineering

P. Ponmurugan | *K.S.Rangasamy College of Technology*

R. Ganesh Babu | *K.S.Rangasamy College of Technology*

Ramasamy Subbaiya | *K.S.Rangasamy College of Technology*

Narayanasamy Mathivanan | *University of Madras*

Management I

707

2014/12/18 Thursday 16:30-18:30

Session Chair: *Prof. Reema Khurana*

TICSS-46

Pricing Models in Information Technology Service Outsourcing in Indian Context

Daisy Mathur Jain | *IMT and NLU Program*

Reema Khurana | *Institute of Management Technology, Ghaziabad*

TICSS-105

Lunchboxes Delivery and Local Food-Taiwan Western Aboriginals Case

Hsiao-Min Chuang | *Taiwan Hospitality & Tourism University*

Jia-Jen Liu | *Taiwan Hospitality & Tourism University*

TICSS-243

Empirical Study on Repurchase Intention toward Private Label Products in Modern Retail Outlets in Indonesia

Alexander Yoseph Agung Nugroho | *Atma Jaya Catholic University of Indonesia*

Hilman Wijaya | *Atma Jaya Catholic University of Indonesia*

TICSS-140

Feasibility and Availability Study for Solid Waste Management In Tha Muang Municipal, Kanchanaburi Province, Thailand

Punyisa Kuendee | *Siam University*

TICSS-106

Construct Personal Carbon Footprint Management System for Students Using Persuasive Technology

Shyh-Ming Lin | *National Pingtung University of Science and Technology*

Mechanical Engineering I

708

2014/12/18 Thursday 16:30-18:30

Session Chair: *Prof. Chil-Chyuan Kuo*

TICEAS-52

Investigation of Liner Cavitation Induced by Piston Slap

Xiaoyu Wang | *Kyushu University*

Kazuhide Ohta | *Kyushu University*

Atsushi Saeki | *Kyushu University*

Akihiro Ono | *Kyushu University*

TICEAS-99

Multi-Objective Optimization of Types, Numbers and Locations of Transducers Used in Modal Test of a Fin-Like Structure

Nima Pedramasl | *Middle East Technical University*

Melin Sahin | *Middle East Technical University*

Erdem Acar | *TOBB University of Economics and Technology*

TICEAS-14

Development of a Large-Area Hot Embossing Mold

Chil-Chyuan Kuo | *Ming Chi University of Technology*

Min-Hsiang Wu | *Ming Chi University of Technology*

TICEAS-239

Implementation of Facility Management Software Education at University Environment

Peter Poór | *University of West Bohemia*

Michal Šimon | *University of West Bohemia*

TICEAS-278

Investigation of the Possibility of Using Silicon Dioxide (SiO₂) Nanolubrication in Precision Grinding of Titanium Alloy

Hong Wan Ping | *University of Malaya*

Ahmed Aly Diao Mohammed Sarhan | *University of Malaya*

Mohd Sayuti Ab Karim | *University of Malaya*

Nur Hasalli Hj.Ibrahim | *University of Malaya*

TICEAS-417

Fatigue Analysis of Roller of Rebar Bending Machine Using DAFUL

Jin Ho Kim | *Yeungnam University*

TICEAS-385

Application of Automated Guided Vehicle System in Industry

Maryam Mousavi | *University Malaya*

Yap Hwa Jen | *University Malaya*

Siti Nurmaya | *University Malaya*

Farzad Tahriri | *University Malaya*

Environmental Engineering I

709

2014/12/18 Thursday 16:30-18:30

Session Chair: *Prof. Amin Nawahda*

TICEAS-147

The Application of Machine Learning for Predicting the Concentration of Ozone across Sohar Highway in Oman

Amin Nawahda | *Sohar University*

Sara Al-Rizuiqi | *Loughborough University*

Eran Edirisinghe | *Loughborough University*

TICEAS-139

Mineralization of Benzo (a) pyrene Contaminated Soils Using Biocatalytic with Hemoglobin and Hydrogen Peroxide

HaeIn Keum | *Hankuk University of Foreign Studies*

Jinkyong Hong | *Hankuk University of Foreign Studies*

Kapsung Park | *Hankuk University of Foreign Studies*

Guyoung Kang | *Hankuk University of Foreign Studies*

TICEAS-32

PTT Eco-Forest, an Innovative Carbon Biosequestration of PTT Eco-Industrial Zone in Thailand

Tanawadee Koonthong | *PTT Public Company Limited*

Yolsuda B.Wathanasawad | *PTT Public Company Limited*

Jaturong Saensorn | *PTT Public Company Limited*

TICEAS-319

A Probabilistic Approach to Evaluate the Performance Risks of Lighting Retrofit in Energy Performance Contracting Projects

Pan Lee | *The Hong Kong Polytechnic University*

Tsun Ip Patrick Lam | *The Hong Kong Polytechnic University*

Wai Ling Lee | *The Hong Kong Polytechnic University*

TICEAS-399

Ruin Theory Applied to the Assessment of Parameters for the Control Rule Implemented in a Flood Control Reservoir

Bernard Stanisław Twaróg | *Cracow University of Technology*

TICEAS-30

Treatment Process Applied to Leachate Treatment

Gaurav Kumar Singh | *Delhi Technological University*

Anshul Tyagi | *Delhi Technological University*

TICEAS-354

Erosion Protection of Slopes Constructed from Sandy Tailings with Use of Water Absorbing Geocomposites

Krzysztof Lejcuś | *Wroclaw University of Environmental and Life Sciences*

Daniel Garlikowski | *Wroclaw University of Environmental and Life Sciences*

Jolanta Dąbrowska | *Wroclaw University of Environmental and Life Sciences*

Michał Śpitalniak | *Wroclaw University of Environmental and Life Sciences*

Computing Science & IT Engineering II

(Artificial Intelligence and Expert Systems)

703

2014/12/18 Thursday 16:30-18:30

Session Chair: *Prof. Weetit Wanalertlak*

SEDT-14

Mining Association Rules Uses Tabular Fuzzy Weighted FP-Growth

Wei-Hsuan Lee | *Yuan Ze University*

Chien-Hua Wang | *Yuan Ze University*

Chin-Tzong Pang | *Yuan Ze University*

TICEAS-84

Interactive Mobile Learning Application for Children with Down Syndrome in Effective Learning Environment

Norhaslina Kamarulzaman | *University of Malaya*

Nazean Jomhari | *University of Malaya*

TICEAS-332

Idiosyncratic Algorithm for IMU Drift Prevention for Personal Position Sensor

Weetit Wanalertlak | *Defence Technology Institute (Public Organisation)*

Chamnan Kumsap | *Defence Technology Institute (Public Organisation)*

TICEAS-256

Feasibility Study of Adaptive Streaming Technology in an Education Enhancement System- iLEAP

Tan Kok Kiong | *National University of Singapore*

Arun Shankar Narayanan | *National University of Singapore*

TICEAS-68

Method for Indoor Human Position Tracking Using Multiple Depth Sensors

Algirdas Dobrovolskis | *Kaunas University of Technology*

Vygintas Kazanavičius | *Kaunas University of Technology*

Agnius Liutkevičius | *Kaunas University of Technology*

Aušra Vrubliauskaitė | *Kaunas University of Technology*

Oral Sessions – December 19th, 2014

Management II

707

2014/12/19 Friday 08:45-10:15

Session Chair: *Prof. Michiko Miyamoto*

TICSS-89

Job Satisfaction in ICT Project Teams

Michiko Miyamoto | *Akita Prefectural University*

TICSS-364

Cybernetic Model of Companies' Organization Structure. Solution of Planning, Coordination and Motivation Problems

Petr Andreevich Solovyev | *Tomsk Polytechnic University*

Ivan Andreevich Tutov | *Tomsk Polytechnic University*

Inna Pichugova | *Tomsk Polytechnic University*

TICSS-333

North Luzon Doctors Hospital: A Case Study

Jose Paolo Ramirez Alcantara | *De La Salle - College of St. Benilde*

Rolando Baylon Sinense | *De La Salle - College of St. Benilde*

Esmeraldo Dimangundayao Dimaculangan, Jr. | *De La Salle - College of St. Benilde*

TICSS-235

Differences Study for Mistake in Reading and Decision of the Thai Characters

Nathapon Puttyangkura | *Siam University*

TICSS-109

An Efficiency-Oriented Approach for Allocating Input Resources and Setting Output Target

Po-Pei Wu | *National Chin-Yi University of Technology*

Hung-Tso Lin | *National Chin-Yi University of Technology*

TICSS-340

**Based Entrepreneurship Development of Islamic Culture For Creating Entrepreneurs
of Environment Santri at Boarding School District Pangkep**

Nurfaidah Faidah Faidah | *STIE - YPUP Makassar*

Communication / Culture III

708

2014/12/19 Friday 08:45-10:15

Session Chair: ***Prof. Jason Ho***

TICSS-288

Title of Dharma Titles in Secret Magazine

Chanika Jitjak | *Khon Kaen University*

Rattana Chanthao | *Khon Kaen University*

TICSS-281

A Comparative Study of Tones of Loei Spoken in Wangsaphung and Arawan Districts

Pikul Onsriprai | *Khon Kaen University*

Supakit Buakaw | *Khon Kaen University*

TICSS-263

Thematic Systems of Expository Discourse “Phra Ratcha Phithi Phuetcha Mongkhon Lae Charot Phra Nangkhan” in King Rama V’ Twelve-Month Ceremony

Supakit Buakaw | *Khon Kaen University*

TICSS-94

Troubling Evilness, Troublesome Women: The Cases of Maleficent and 2 Broke Girls

Jason Ho | *University of Hong Kong*

TICSS-343

Design Label and Text Caption of National Museum Kuala Lumpur, Malaysia

Maisaraf Binti Marman | *Universiti Teknologi Mara*

Ahmadrashidi Bin Hasan | *Universiti Teknologi Mara*

Fundamental & Applied Sciences III

709

2014/12/19 Friday 08:45-10:15

Session Chair: *Prof. Preeda Nathewet*

TICEAS-128

Wavelet Based Fluctuation Analysis of Human Heartbeat Dynamics

Mayukha Pal | *Jawaharlal Nehru Technological University Hyderabad*

Madhusudana Rao Pola | *Jawaharlal Nehru Technological University Hyderabad*

Manimaran Palanisamy | *C R Rao AIMSCS, University of Hyderabad Campus Hyderabad*

TICEAS-300

Impedance Analysis for Mangosteen

Supphawut Benjakul | *Walailak University*

Sorasak Danworaphong | *Walailak University*

Wanida Limmun | *Walailak University*

Auttachai Thawonsuwan | *Rajamangala University of technology Srivijaya*

TICEAS-93

Designing Queuing System for Public Hospitals in Thailand

Ubolrat Wangrakdiskul | *King Mongkuts University of Technology North Bangkok*

TICEAS-378

Preparation of Data Base by Plots and Mapping of Land Utilization in the Water Conservation Project Area of Her Majesty the Queen, Northern Thailand

Preeda Nathewet | *Maejo University*

Wassana Viroonrat | *Maejo University*

Jukkaphong Pong Ngamchuen | *Maejo University*

Jiraporn Inthasan | *Maejo University*

Veerapan Deungjan | *Maejo University*

TICEAS-304

Activation of PmRelish from *Penaeus Monodon* by Yellow Head Virus

Suwattana Visetnan | *Chulalongkorn University*

Premruethai Supungu | *Chulalongkorn University*

Ikuo Hirono | *Tokyo University*

Anchalee Tassanakajon | *Chulalongkorn University*

Vichien Rimphanitchayakit | *Chulalongkorn University*

TICEAS-336

E-Procurement Application Design for Micro and Small Enterprise in Indonesia

Irna Yuniar | *Telkom University*

Rini Handayani | *Telkom University*

Education III

707

2014/12/19 Friday 10:30-12:00

Session Chair: *Prof. Henry Ma*

TICSS-239

A Five-Stage Prediction-Observation-Explanation Inquiry-Based Learning Model Plus Collaborative Learning Approach to Improving Students' Science Learning Performance

Hsien-Sheng Hsiao | *National Taiwan Normal University*

Jyun-Chen Chen | *National Taiwan Normal University*

Chia-Hou Wu | *National Taiwan Normal University*

TICSS-141

Family Background and Income Inequality: Unequal Educational Opportunity in Hong Kong?

Wing Yee Chei | *Hong Kong Polytechnic University*

TICSS-174

Development, Reliability and Validity of the Measurement Inventory for Reliability of Family Functioning Modules (MQfRoFFM)

Taquuddin Abdul Mukti | *National University of Malaysia*

Fatimah Yusoooff | *National University of Malaysia*

Norulhuda Sarnon | *National University of Malaysia*

Khaidzir Ismail | *National University of Malaysia*

Ahmad Zainuri Loap Ahmad | *National University of Malaysia*

TICSS-336

The Necessary Elements for the Youth in Developing Creative Industries

Henry Ma | *Hong Kong Polytechnic University*

ICEAP-51

Effects of Learning Motivations and Strategies on EFL College Humanities versus Science Majors' English Performance

Shu-Ping Lee | *Asia University*

Shin-Da Lee | *China Medical University*

Society II

708

2014/12/19 Friday 10:30-12:00

Session Chair: *Prof. Kecheng Zhang*

TICSS-358

Wandering between the Invisible “Marriage” and the Lawful Marriage: Chinese Marriage Models among Gay Population

Xiaoxing Fu | *Renmin University of China*

Kecheng Zhang | *Chinese University of Hong Kong*

TICSS-202

Walking Measure to School: Short Route or Safe Route?

Intan Syuhana | *Universiti Teknologi Mara, Malaysia*

Zaharah Mohd Yusoff | *Universiti Teknologi Mara, Malaysia*

Dasimah Omar | *Universiti Teknologi Mara, Malaysia*

Adzlia Noor Nadiyah Abdul Rahman | *Universiti Teknologi Mara, Malaysia*

TICSS-124

Coordinated Public Transportation-Workplace Route Network

Adzlia Noor Nadiyah Abdul Rahman | *Universiti Teknologi Mara, Malaysia*

Zaharah Mohd Yusoff | *Universiti Teknologi Mara, Malaysia*

Dasimah Omar | *Universiti Teknologi Mara, Malaysia*

Intan Syuhana Aziz | *Universiti Teknologi Mara, Malaysia*

Civil Engineering II

709

2014/12/19 Friday 10:30-12:00

Session Chair: *Prof. Krishna Kant Pathak*

TICEAS-380

Cable Layout Design of Prestressed Concrete Slabs Considering Friction

Krishna Kant Pathak | *NITTTR Bhopal*

Ahmad Ali Khan | *MANIT Bhopal*

N. Dindorkar | *MANIT Bhopal*

TICEAS-86

Effect of Sodium Silicate-Based Liquid Stabilizer on Unconfined Compressive Strength of Marine Clay

Faizal Pakir | *Universiti Tun Hussein Onn Malaysia*

Aminaton Marto | *Universiti Teknologi Malaysia*

Nor Zurairahetty Mohd Yunus | *Universiti Teknologi Malaysia*

Nima Latifi | *Universiti Teknologi Malaysia*

Choy Soon Tan | *Universiti Teknologi Malaysia*

TICEAS-298

Measuring the Performance of Stakeholder Analysis in Major Construction Projects: A Conceptual Framework

Ka Yan Margaret Mok | *Hong Kong Polytechnic University*

Qiping Geoffrey Shen | *Hong Kong Polytechnic University*

TICEAS-297

Physical Field Characterization of Boulder in Tropical Weathering Profile-A Case Study in Ulu Tiram, Johor Malaysia

Mohd Firdaus Md Dan | *Universiti Tun Hussein Onn Malaysia*

Edy Tonnizam Mohamad | *Universiti Teknologi Malaysia*

Ibrahim Komoo | *Universiti Malaysia Terengganu*

Siti Norsalkini Mohd Akip Tan | *Universiti Teknologi Malaysia*

TICEAS-259

Geometric Design Steps of the Novel Upper Toggle-Brace-Damper System

Zhefei Zhao | *RMIT University*

Ricky WK Chan | *RMIT University*

Politics / Law

707

2014/12/19 Friday 13:00-14:30

Session Chair: *Prof. Ionut Cristian Clinci*

TICSS-101

Roles of Tonarigumi to Promote Participatory Development in Indonesia: Case of Three Villages in Purbalingga District, Central Java Province

Su Tiyo | *District Government of Purbalingga, Central Java Province*

TICSS-10

Regional Development and Energy Security in the Korean Peninsula

Nareshkumar Verma | *Jawaharlal Nehru University*

Narendra Kumar Rai | *Jawaharlal Nehru University*

TICSS-99

The Middle East Crisis and the United Nations (UN) Effort in Resolving it: An Overview

Saalah Yakubu Ibrahim | *University of Maiduguri*

TICSS-342

Chinas Soft Power and Public Diplomacy in the CEE Countries: Productive or Counterproductive

Ionut Cristian Clinci | *Nagoya University of Commerce and Business*

TICSS-331

Concept of Circulation of Personal Wealth in Islamic Legal System

Badruddin bin Hj Ibrahim | *International Islamic University Malaysia*

TICSS-332

Abortion under Islamic Law: An Infringment of the Child's Right to Life

Azizah binti Mohd | *International Islamic University Malaysia*

Dr. Nora Abdul Hak | *International Islamic University Malaysia*

Alhaji Umar Alkali | *International Islamic University Malaysia*

Roslina Che Soh | *International Islamic University Malaysia*

Life Science III

708

2014/12/19 Friday 13:00-14:30

Session Chair: *Prof. Jin-Hyung Kim*

ILSBE-97

Immunological and Physiological Responses of Wild, Domesticated, and Growth Hormone Transgenic Coho Salmon to Viral and Bacterial Mimics Assessed by RNA-Seq Analysis

Jin-Hyung Kim | *Fisheries and Oceans Canada*

Robert H. Devlin | *Fisheries and Oceans Canada*

Daniel J. Macqueen | *University of Aberdeen*

Samuel A.M. Martin | *University of Aberdeen*

Abdullah Alzaid | *University of Aberdeen*

James R Winton | *U.S. Geological Survey*

John D Hansen | *U.S. Geological Survey*

ILSBE-20

The Effect of Essential Oils from Thai Native Herbs as Larvicide and Pupicide Against Dengue Vector Mosquito, *Aedes Aegypti* L

Ubol Phukerd | *King Mongkut's Institute of Technology Ladkrabang*

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

ILSBE-21

Evaluation of Herbal Essential Oils as Repellent Against House Fly, *Musca Domestica* L

Jirisuda Sinthusiri | *King Mongkut's Institute of Technology Ladkrabang*

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

ILSBE-22

Herbal Essential Oils As Pediculicides Against Head Lice, *Pediculus Humanus Capitis* De Geer. (Pediculidae: Phthiraptera)

Sirawut Sittichok | *King Mongkut's Institute of Technology Ladkrabang*

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

ILSBE-24

Efficacy of Citrus Essential Oils as Green Repellents Against Female Dengue Mosquito, *Aedes Aegypti* (L.)

Orawan Wongnet | *King Mongkut's Institute of Technology Ladkrabang*

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

ILSBE-62

Effect of Sugar Industrial Effluents on Female Gonads of Freshwater Fish Catla-Catla (Hamilton, 1822)

Laxman Shridhar Matkar | *A.J.M.V.P.Ss New Arts, Commerce & Science College, Shevgaon*

Environmental Engineering II

709

2014/12/19 Friday 13:00-14:30

Session Chair: *Prof. Tinia Idaty Mohd Ghazi*

TICEAS-106

Talc Removal by Foam Separation; an Application for HDD Industry

Tippabust Eksangsri | *Thammasat University*

Pattamart Weangwan | *Western Digital (Thailand) Co. Ltd.*

TICEAS-310

Influence of Organic Loading Rate on a Novel Biogas Oscillatory Flow Bioreactor

Ismail Muhammad Nasir | *Universiti Putra Malaysia*

Tinia Idaty Mohd Ghazi | *Universiti Putra Malaysia*

Rozita Omar | *Universiti Putra Malaysia*

Wan Azlina Wan Abdul Karim Ghani | *Universiti Putra Malaysia*

TICEAS-186

Measuring the Control of Whole-Day Heat Budget on Building Envelopes Exposed to Solar Radiation in Subtropics

Hsin-Yu Tsai | *National Taipei University of Technology*

Chih-Hong Huang | *National Taipei University of Technology*

I-Yang Lee | *National Taipei University of Technology*

TICEAS-188

Effectiveness and Limitation of Ventilation in Reducing Temperatures in Subtropical Dwellings from the Perspective of Enthalpy

I Yang Lee | *National Taipei University of Technology*

Chih-Hong Huang | *National Taipei University of Technology*

Yu-Lun Chien | *National Taipei University of Technology*

TICEAS-221

Adsorption of CO₂ Molecule on the (MgO)₉ and (CaO)₉ Nanoclusters; A Theoretical Study

Fathi Hassan Bawa | *Misurata University*

TICEAS-194

**Evaluation of Heat Discharge of Building Masses and Sites in Hot and Humid
Subtropical Climates from the Perspective of Enthalpy**

Yu-Lun Chien | *National Taipei University of Technology*

Chih-Hong Huang | *National Taipei University of Technology*

Shin-Yu Tsai | *National Taipei University of Technology*

Education IV

707

2014/12/19 Friday 14:45-16:15

Session Chair: ***Prof. Derek Cheung***

ICEAP-44

Explaining How Supportive School Climate Impacts on Student Engagement: Latent Growth Modelling of Longitudinal Mediation of School Identification as Social Identity

Eunro Lee | *Australian National University*

Katherine J. Reynolds | *Australian National University*

ICEAP-17

A Content-Based Readability Formula for Filipino Texts

Heidi Barcelo-Macahilig | *Philippine Normal University*

ICEAP-45

Predicting Japanese Students' Self-Efficacy for Learning School Chemistry

Derek Cheung | *The Chinese University of Hong Kong*

Hiroki Fujii | *Okayama University*

Mechanical Engineering II

708

2014/12/19 Friday 14:45-16:15

Session Chair: *Prof. Tien-Fu Lu*

TICEAS-61

Human-in-the-Loop Chemical Plume Tracking Using Robots – Mapping While Localizing Source

Tien-Fu Lu | *University of Adelaide*

Huu Nam Le | *University of Adelaide*

TICEAS-54

The Effect of Magnetic Field on the Gas Film Thickness and Accuracy of Electrochemical Discharge Machining

Lih-Wu Hourng | *National Central University*

Wei-Kai Wang | *National Central University*

Zhi-Wen Fan | *Metal Industries Research and Development Centre*

TICEAS-59

Digital Control Method for Image Forming Apparatus

Sangbum Woo | *Samsung Electronics Co., Ltd*

Sung-Dae Kim | *Samsung Electronics Co., Ltd*

TICEAS-60

Experimental and Numerical Studies on Thermal Transport Phenomena for the Optimization of Copper Slag Recycling Using Metallurgical Process

Byungkwon Kim | *Yonsei University*

Dongho Park | *Korea Institute of Industrial Technology*

Jeongyeol Kim | *Korea Institute of Industrial Technology*

Jungho Hwang | *Yonsei University*

Jongsu Kim | *Korea Institute of Industrial Technology*

Byungryeul Bang | *Korea Institute of Industrial Technology*

TICEAS-292

A Study of Strain in the Limited Contact Dynamic Compression Plate with Changing the Torque Magnitude of the Conventional Screw

Boonthum Wongchai | *Kasetsart University*

Electrical & Electronic Engineering II

709

2014/12/19 Friday 14:45-16:15

Session Chair: *Prof. Suphattharachai Chomphan*

TICEAS-97

An Analytical Study of Vibration of LPG-Modified Engine Faults

Theerathan Kingrattanaset | *Kasetsart University*

Suphattharachai Chomphan | *Kasetsart University*

TICEAS-94

Design of a Graphical User Interface to Control Voltage and Reactive Power by Using Nine-Area Diagram

Chi-Jui Wu | *National Taiwan University of Science and Technology*

Yu-Wei Liu | *National Taiwan University of Science and Technology*

Chun-Hsiang Hu | *National Taiwan University of Science and Technology*

Ming-Ghe Shih | *National Taiwan University of Science and Technology*

Jr-Yuan Ke | *National Taiwan University of Science and Technology*

Yu-Wei Chou | *National Taiwan University of Science and Technology*

TICEAS-287

A New Tunable Floating Inductance Using Current Backward Transconductance Amplifier

Supachai Lertiwcha | *Mahidol University*

Decha Wilairat | *Mahidol University*

TICEAS-228

Electricity Production from Durian and Banana Peel Composite as Chemical Composition of Dry Cell Batteries

Siti Nurjanah | *Diponegoro University*

Bayu Seno Adi Saputra | *Diponegoro University*

Azka Azizah | *Diponegoro University*

Abdul Syakur | *Diponegoro University*

Psychology

707

2014/12/19 Friday 16:30-18:00

Session Chair: ***Prof. Philip Hong***

ICEAP-29

The Impact of Partial Notes on Student Attention in Lectures and Learning Outcomes

Keitaro Machida | *University of Melbourne*

Katherine Johnson | *University of Melbourne*

ICEAP-25

Increasing the Social Communication of a Boy with Autism Using Animal-Assisted Play Therapy: A Case Study

Suk Chun Fung | *The Hong Kong Institute of Education*

ICEAP-59

Examining the Path from Psychological to Economic Self-sufficiency among Low-Income Jobseekers

Philip Hong | *Loyola University Chicago*

Sangmi Choi | *Soongsil University*

Whitney Key | *Loyola University Chicago*

TICSS-117

Parents' Knowledge, Attitude, and Practice (KAP) Regarding Their Children Dating Activities in Five Cities in Indonesia

Dinastuti | *Atma Jaya Catholic University of Indonesia*

TICSS-112

Academic Achievement: It Is Not How Smart You Are, But How You Cope with Your Life and Manage Your Time

Azura Hamdan | *National University of Malaysia*

Rohany Nasir | *National University of Malaysia*

Rozainee Khairudin | *National University of Malaysia*

Wan Shahrazad Wan Sulaiman | *National University of Malaysia*

Material Science & Engineering II

708

2014/12/19 Friday 16:30-18:00

Session Chair: *Prof. Zeeshan Khatri*

TICEAS-261

Surface Plasmon Resonance Coupled CdSe@CdZnS-ZnS Quantum Dot for Colour Conversation Efficiency of InGaN/GaN Multi Quantum Well Structure

Sudarsan Raj | *Chonbuk National University*

Jin Hyeon Yun | *Chonbuk National University*

Jun-Woo Lee | *Chonbuk National University*

Sanjit Manohar Majhi | *Chonbuk National University*

In-Hwan Lee | *Chonbuk National University*

Yeon-Tae Yu | *Chonbuk National University*

TICEAS-116

Surface Activity of Mechano-Activated Silica-Containing Components in the Composite Binder

Liudmila Veshniakova | *Northern (Arctic) Federal University named after M.V. Lomonosov*

Viktor Veshniakov | *Northern (Arctic) Federal University named after M.V. Lomonosov*

Arcady Ayzenshtadt | *Northern (Arctic) Federal University named after M.V. Lomonosov*

Valery Lesovik | *Belgorod State Technological University named after V.G. Shukhov*

TICEAS-124

Manufacture of AA7075-%10 B4C Particle Reinforced Composites by Powder Metallurgy with Hot Press Technique and Investigation of Their Mechanical-Physical Properties

Cihad Nazik | *Selcuk University*

Necmettin Tarakçioğlu | *Selcuk University*

Serdar Özkaya | *Karadeniz Technical University*

Fatih Erdemir | *Karadeniz Technical University*

Aykut Çanakçı | *Karadeniz Technical University*

TICEAS-206

Preparation of UV-Responsive Nanofibers and Their Potential Application in Modern Era

Zeeshan Khatri | *Mehran University of Engineering and Technology & Shinshu University*

Shamshad Ali | *Hanyang University*

Ick Soo Kim | *Shinshu University*

Farooq Ahmed | *Mehran University of Engineering and Technology*

TICEAS-119

Hydrogen-Bonded Supramolecular Motifs in 2-Amino-4-Methylpyrimidine-2-Nitrobenzoic Acid (1/1) and 2-Amino-4-Methylpyrimidine-2-Chlorobenzoic Acid (1/2)

Abbas Farhadikoutenaie | *Universiti Sains Malaysia*

Kaliyaperumal Thanigaimani | *Universiti Sains Malaysia*

Suhana Arshad | *Universiti Sains Malaysia*

Ibrahim Abdul Razak | *Universiti Sains Malaysia*

Computing Science & IT Engineering III

(Technologies and Applications)

709

2014/12/19 Friday 16:30-18:00

Session Chair: *Prof. Shie-Jue Lee*

SEDT-12

Using Fuzzy VIKOR for Evaluating Service Quality of Portal Website

Yue-Fong Chung | *Yuan Ze University*

Sheng-Hsing Liu | *Yuan Ze University*

Chien-Hua Wang | *Yuan Ze University*

Chin-Tzong Pang | *Yuan Ze University*

SEDT-38

A Preference-Based Privacy Protection for Value-Added Services in Vehicular Ad Hoc Networks

Iuon-Chang Lin | *National Chung Hsing University*

Hsiang-Yu Chen | *National Chung Hsing University*

TICEAS-158

Path Embeddings in Crossed Cubes of One Vertex Fault

Hon-Chan Chen | *National Chin-Yi University of Technology*

Tzu-Liang Kung | *Asia University*

TICEAS-126

Energy Conservation and Its Parallel Implementation in GPU

Zhi-Ying Lin | *Industrial Technology Research Institute*

Chih-Lun Liao | *National Sun Yat-Sen University*

Yuyu Hsueh | *Rensselaer Polytechnic Institute*

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

Ching-Ran Lee | *Industrial Technology Research Institute*

Poster Sessions–December 18th ,2014

Communication / Law/ Management / Psychology /

Educaiton / Life Science

701

2014/12/18 Thursday 13:30-14:30

TICSS-88

Deal-Prone Consumers' Responses to Non-Monetary Online Sales Promotions

Ming-Yi Chen | *National Chung Hsing University*

Chi-Ming Tseng | *Chunghwa Telecom*

TICSS-83

Air Pollution Control: Legal Science Could also Work Well

Sui He | *Shandong University*

TICSS-274

Dynamic Strategic Analysis of a Chain Retailing Store in Taiwan - A Case of Fresh Living Store

Yufen Lin | *Taiwan Hospitality & Tourism University*

TICSS-305

The Evaluation of Benefits and Impacts of Local Festivals_Case of National Park of Taroko Gorge

Yongwei Wu | *Taiwan Hospitality & Tourism University*

Hsiao-min Chuang | *Taiwan Hospitality & Tourism University*

TICSS-298

The Expansion Strategies and Planning of Imari Pension and Dining Restaurant

Chu-Hui Maeda Wang | *National Dong-Hua University*

ICEAP-26

Cross-National Differences in the Fit between Desired and Actual Working Time, and Its Association with Work Attitudes

Luo Lu | *National Taiwan University*

TICSS-138

Preliminary Study of Pre-School Deaf and Hard-of-Hearing Children: How Sensitivity-Based Peer Influence Functions in Their Classroom Performance

Jiawen Wang | *Washington University in St. Louis*

Haiyun Zhou | *Nanjing Jinling High School*

TICSS-73

Cross-Cultural Study of Suicide Ideation in Relation to Coping and Executive Functions in University Students

Elsie Li Chen Ong | *The Open University of Hong Kong*

Peter Eachus | *University of Salford, UK*

Catherine Thompson | *University of Salford, UK*

Andrew Tang | *The Open University, Hong Kong*

ICEAP-21

Gender Differences in Undergraduates' Labor Market Preparation

Chih-Chun Wu | *National Chi Nan University*

ICEAP-48

Singapore Educators' Beliefs on Change

Lee Hean Lim | *Nanyang Technological University*

ICEAP-46

Exploring Professional Development for Experienced Teachers: The Singapore Experience

Lee Hean Lim | *Nanyang Technological University*

ICEAP-47

Perceptions of Complexities in Mentoring Relationships: The Singapore Education Context

Lee Hean Lim | *Nanyang Technological University*

Zhi Quan Lim | *National University of Singapore*

ILSBE-12

Phosphodiesterase Type – 5 Inhibition Activity of Medicinal Recipes from “Pet Nam Eak” Thai Traditional Medicinal Book for Erectile Dysfunction

Korawinwich Boonpisuttinant | *Rajamangala University of Technology*

Suppchai Kritape | *Rajamangala University of Technology*

Terin Hohum | *Rajamangala University of Technology*

Orathai Sarakul | *Rajamangala University of Technology*

Yupa Khongprik | *Rajamangala University of Technology*

UsaSodamook | *Rajamangala University of Technology*

ILSBE-44

Study the Effect of Niclosamide and Its Analogs on Dendritic Cells Maturation and Function

Yi-Rong Li | *National Chung Hsing University*

Yu-Shan Wu | *Tunghai University*

Chi-Chen Lin | *National Chung Hsing University*

ILSBE-48

Potent Anti-Imiquimod-Induced Psoriasis of Formulated Citrus Peel Extract in Mice

Ya-Hsuan Chao | *National Chung-Hsing University*

Chi-Chen Lin | *National Chung-Hsing University*

Michiko Suzawa | *Miyauchi Citrus Research Center*

Shiming Li | *Rutgers University*

ILSBE-49

Inhibitory Effect of Methanolic Extract and Eugenol of Clove on Immune Function through Dendritic Cells

Meng-Xian Lin | *National Chung Hsing University*

Ming-Kuen Lin | *China Media University*

Chi-Chen Lin | *National Chung Hsing University*

ILSBE-51

Potent Anti-Cancer Effects of Citrus Peel Extract in Human Lung Cancer in Vitro and in Vivo

Yu-Jung Wu | *National Chung Hsing University*

Shang-Tse Ho | *National Chung Hsing University*

Yu-Tang Tung | *National Chung Hsing University*

Chi-Chen Lin | *National Chung Hsing University*

Jyh-Horng Wu | *National Chung Hsing University*

ILSBE-54

A Survey of Freshwater Snails: The intermediate Host of Trematodes at Srakaew Pond of Silpakorn University, Sanamchandra Palace Campus, Nakhonpathom, Thailand

Kitja Apiraksena | *Silpakorn University*

Suluck Namchote | *Silpakorn University*

Duangduen Krailas | *Silpakorn University*

ILSBE-55

Larval Stage of Trematodes Obtain from Brackish Water Snails in the Central and East Coast of the Gulf of Thailand

Suluck Namchote | *Silpakorn University*

Supatta Sritongtae | *Silpakorn University*

Siriphon Butnin | *Silpakorn University*

Paporn Wongwain | *Silpakorn University*

Duangduen Krailas | *Silpakorn University*

ILSBE-61

Species Diversity of Molluscs Obtained from Mangrove Forest and Estuary of River in the Eastern Coast of Thailand

Wivitchuta Dechruksa | *Silpakorn University*

Supatta Sritongta | *Silpakorn University*

Suluck Namchote | *Silpakorn University*

Duangduen Krailas | *Silpakorn University*

ILSBE-84

Profiling of Rice MicroRNAs in Response to Nitrogen-Starvation Stress

Sang-Yoon Shin | *Seoul National University*

June Hyun Park | *Seoul National University*

Chanseok Shin | *Seoul National University*

ILSBE-89

Linoleic Acid and Phenylacetic Acid: Bacterial Determinants for Induction of Defensive Enzymes and Genes in Tobacco

Marilyn Sumayo | *Kyungpook National University*

Sa-Youl Ghim | *Kyungpook National University*

ILSBE-90

Effects on Plant Growth from Nitrogen Fixing Rhizobacteria

Upeksha Muhandiram | *Kyungpook National University*

Sa-Youl Ghim | *Kyungpook National University*

ILSBE-103

Characterization of Red-Ripened Tomato Fruit-Specific Promoter Isolated from SIHD-2 Gene

Ah Young Kim | *Chonnam National University*

Se Hee Park | *Chonnam National University*

Hyun Min Kim | *Chonnam National University*

Sang Hoon Ma | *Chonnam National University*

Young Hee Joung | *Chonnam National University*

ILSBE-119

The Effect of Bright Light before Sleep at Night on Male

Hyo-sun Lee | *Korea University*

Eunil Lee | *Korea University*

YunJeong Kim | *Korea University*

ILSBE-96

High-Level QM/MM Calculations Support the Concerted Mechanism for Michael Addition and Covalent Complex Formation in Thymidylate Synthase

Supot Hannongbua | *Chulalongkorn University*

Nopporn Kaiyawet | *Chulalongkorn University*

Richard Lonsdale | *University of Bristol*

Thanyada Rungrotmongkol | *Chulalongkorn University*

Adrian J. Mulholland | *University of Bristol*

Biological Science/ Biomedical Engineering/ Chemical

Engineering/ Material Science and Engineering

701

2014/12/18 Thursday 15:00-16:00

ILSBE-85

Perception Intensity and Frequency of Pressure and Vibrations Elicited by Electrical Stimulation

Sun Hee Hwang | *Kyung Hee University*

Tongjin Song | *Jungwon University*

Gon Khang | *Kyung Hee University*

ILSBE-91

To Generate a Humanize Fish Scale for Biocornea by Using Transgenic Zebrafish as Model

Shih-Chen Ciou | *National Changhua University of Education*

Chui-an-Fu Ken | *National Changhua University of Education*

ILSBE-98

Biosynthesis of Methyl Jasmonate is Involved in the Regulation of JA Response by Facilitating its Distribution

Taeyoung Um | *Seoul National University*

Guepil Jang | *Seoul National University*

Chanseok Shin | *Seoul National University*

Ju-Kon Kim | *Seoul National University*

Yang Do Choi | *Seoul National University*

TICEAS-152

Outgrowth Endothelial Cells Capture by Anti-CD146 Antibody Immobilization on Silicone Nanofilament-Structured Metallic Stent

Sung Nam Kang | *Korea Institute of Science and Technology*

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

Dong keun Han | *Korea Institute of Science and Technology*

Sung Young Park | *Korea National University of Transportation*

TICEAS-169

Comparison of Efficacy between Chinese Finger Trap Made from Bamboo-Trunk and Stainless Steel for Reduction Fracture of Distal End Radius: An Experimental Study

Thanachai Thongtanworapat | *Prince of Songkla University*

S Anuntaseree | *Prince of Songkla University*

TICEAS-198

Biomechanical Study of Interfragmentary Strain in Modified Mini Adjustable External Fixator (MAEF) of Metacarpal and Proximal Phalanx

Rattanaorn Chamnan | *Prince of Songkla University*

TICEAS-335

The Influence of TiN Sputter Coating and Plasma Nitriding for Titanium on the Adhesion of Porphyromonas Gingivalis

Minkyung Ji | *Chonnam National University*

Nuri Seo | *Chonnam National University*

Sangwon Park | *Chonnam National University*

Kwidug Yun | *Chonnam National University*

Gyejeong Oh | *Chonnam National University*

Hyunpil Lim | *Chonnam National University*

TICEAS-104

Redox Sensitive HA-ss-PEI Nanocomplex Encapsulated Endostatin Plasmid for Stem Cell Gene Therapy

Pin-Hsuan Yeh | *National Tsing Hua University*

Jui-Sheng Sun | *National Taiwan University Hospital Hsinchu Branch*

Hsi-Chin Wu | *Tatung University*

Tzu-Wei Wang | *National Tsing Hua University*

TICEAS-318

Sequential Growth Factor Delivery for Enhanced Osteogenesis of hMSCs with Hydrogel Micropattern-Incorporated Fibrous Scaffolds

Yun-Min Kook | *Yonsei University*

Sang Won Han | *Yonsei University*

Ui Seok Chung | *Yonsei University*

Ji Hong Min | *Yonsei University*

Minsu Kim | *Yonsei University*

Kanghee Cho | *Yonsei University*

Won-Gun Koh | *Yonsei University*

TICEAS-309

Microfluidic-Based Multiplex Immunoassay System Integrated with an Array of QD-Embedded Microbeads

Sang Won Han | *Yonsei University*

Ui Seok Chung | *Yonsei University*

Ji Hong Min | *Yonsei University*

Minsu Kim | *Yonsei University*

Kanghee Cho | *Yonsei University*

Yun-Min Kook | *Yonsei University*

Won-Gun Koh | *Yonsei University*

TICEAS-316

Fabrication of Hybrid PAH/DP Nanocapsules Containing SPIO Nanoparticles for Theragnosis of Cancer

Ui Seok Chung | *Yonsei University*

Sang Won Han | *Yonsei University*

Ji Hong Min | *Yonsei University*

Minsu Kim | *Yonsei University*

Kanghee Cho | *Yonsei University*

Yun-Min Kook | *Yonsei University*

Woo-Dong Jang | *Yonsei University*

Won-Gun Koh | *Yonsei University*

TICEAS-407

The Fabrication and Identification of Hyaluronic Acid-Formulated Iron Oxide Nanoclusters

Ming-Hsiang Chang | *National Chung Hsing University*

Yi-Hua Cheng | *National Chung Hsing University*

Shih-Chiang Pan | *National Chung Hsing University*

Syu-Ming Lai | *National Chung Hsing University*

Ping-Shan Lai | *National Chung Hsing University*

TICEAS-72

Bubble-Generating Mineralized Nanoparticles for Ultrasound Imaging-Guided Photodynamic Therapy

Dong Jin Park | *Kyung Hee University*

Kyung Hyun Min | *Kyung Hee University*

Sang Cheon Lee | *Kyung Hee University*

TICEAS-75

Study on the Strategy of GHS System in Taiwan

Yi-Kuo Chang | *Central Taiwan University of Science and Technology*

Kun-Yuan Chuang | *Central Taiwan University of Science and Technology*

Jo-Ming Tseng | *Central Taiwan University of Science and Technology*

Fang-Chen Lin | *Central Taiwan University of Science and Technology*

Teh-Sheng Su | *Central Taiwan University of Science and Technology*

TICEAS-120

Thermally Evaporable 5,10-Dihydroindeno[2,1-a]Indenes for Efficient Interfacial Layer in Organic Photovoltaics

Yi Wei | *Tamkang University*

Pei-Jun Liu | *Tamkang University*

Ran Hao Lee | *Ming Chi University of Technology*

Chih-Ping Chen | *Ming Chi University of Technology*

TICEAS-157

Cyclic Production of Syngas and Hydrogen through Methane Reforming and Water Splitting by Using Mixed Tungsten Oxide-Cerium Oxide

Yong Jae Lee | *Sungkyunkwan University*

Jong Tak Jang | *Sungkyunkwan University*

Kwang Hoon Cho | *Sungkyunkwan University*

Gui Young Han | *Sungkyunkwan University*

Jong Wook Bae | *Sungkyunkwan University*

Ki June Yoon | *Sungkyunkwan University*

TICEAS-156

Cyclic Reduction-reoxidation of Zirconia-Supported Cerium Oxide by Using Methane and Carbon Dioxide

Kwang Hoon Cho | *Sungkyunkwan University*

Yong Jae Lee | *Sungkyunkwan University*

Jong Tak Jang | *Sungkyunkwan University*

Jong Wook Bae | *Sungkyunkwan University*

Ki June Yoon | *Sungkyunkwan University*

Gui Young Han | *Sungkyunkwan University*

TICEAS-402

Saccharification of Biomasses with High Metal Content Using Lignocellulases from Basidiomycetes Fungi

Jung-Kul Lee | *Konkuk University*

Jinglin Li | *Konkuk University*

Mardina Primata | *Konkuk University*

Saurabh S Dhiman | *Konkuk University*

Sujit S Jagtap | *Konkuk University*

Tae-Su Kim | *Konkuk University*

TICEAS-403

Characterization of a Ribitol Dehydrogenase from Enterobacter Aerogenes and Its Application

Jung-Kul Lee | *Konkuk University*

Ji-Hyun Park | *Konkuk University*

Sujit Sadashiv Jagtap | *Konkuk University*

Ranjita Singh | *Konkuk University*

Samir Giri | *Konkuk University*

TICEAS-404

Production of L-Rare Sugar by an Immobilized Biocatalyst Harboring L-Arabinitol Dehydrogenase Coupled with an NADH Oxidase

Jung-Kul Lee | *Konkuk University*

Sujan Sigdel | *Konkuk University*

Hui Gao | *Konkuk University*

Ji-Hyun Park | *Konkuk University*

Tae-Su Kim | *Konkuk University*

Samir Giri | *Konkuk University*

Saurabh S Dhiman | *Konkuk University*

TICEAS-405

Probing the Role of Sigma- π Interaction and its Energetics for Catalytic Efficiency of Endo-1,4- β -Xylanase

Jung-Kul Lee | *Konkuk University*

Ranjita Singh | *Konkuk University*

Raushan Singh | *Konkuk University*

Jinglin Li | *Konkuk University*

Sujan Sigdel | *Konkuk University*

Primata Mardina | *Konkuk University*

TICEAS-56

Material Design of Ceramic Powder for Additive Manufacturing Using Finite Element Analysis

Cheng-Hung San | *Industrial Technology Research Institute*

Yu-Han Wu | *Industrial Technology Research Institute*

Chih-Hsiang Chang | *Industrial Technology Research Institute*

TICEAS-286

Applying Grey-Relational Taguchi Method for Evaluating Multiple Processing Parameters of Cathode Arc Plasma Deposited ZnO Thin Films on Flexible PET Substrate

Shuo-Fu Hsu | *National Kaohsiung University of Applied Sciences*

Min-Hang Weng | *National Kaohsiung University of Applied Sciences*

Jyh-Horng Chou | *National Kaohsiung University of Applied Sciences*

Chun-Hsiung Fang | *National Kaohsiung University of Applied Sciences*

TICEAS-112**Fabrication of SnO₂/reduced Graphene Oxide Nanocomposite Films for Sensing NO₂ Gas at Room-temperature**

Pi-Guey Su | *Chinese Culture University*

Ching-Hsuan Wei | *Chinese Culture University*

Wei-Luen Shiu | *Chinese Culture University*

TICEAS-326**Improvement of NTC Properties of Ni_xMn_{3-x}O_{4+δ} Ceramics with Variation of Composition**

Sung Gap Lee | *Gyeongsang National University*

Hyun-Ji Noh | *Gyeongsang National University*

Jin-Ho Yeo | *Gyeongsang National University*

Hye-Rin Jung | *Gyeongsang National University*

Min-Ho Kim | *Gyeongsang National University*

Ye-Won Jo | *Gyeongsang National University*

Dong-Jin Lee | *Gyeongsang National University*

Gyung-Min Kim | *Gyeongsang National University*

TICEAS-329**Effects of Sintering Conditions on Structural and Electrical Properties of Ni_xMn_{3-x}O₄ Ceramics for IR Sensor**

Hye Rin Jung | *Gyeongsang National University*

Sung-Gap Lee | *Gyeongsang National University*

Hyun-Ji Noh | *Gyeongsang National University*

Jin-Ho Yeo | *Gyeongsang National University*

Min-Ho Kim | *Gyeongsang National University*

Ye-Won Jo | *Gyeongsang National University*

Dong-Jin Lee | *Gyeongsang National University*

Gyung-Min Kim | *Gyeongsang National University*

TICEAS-224**Thermal Transformation of Co_{1/2}Fe_{1/2}(H₂PO₄)₂•2H₂O to CoFeP₄O₁₂**

Banjong Boonchom | *King Mongkuts Institute of Technology*

TICEAS-333

Rapid Two- Step Synthesis of Manganese Pyrophosphate $Mn_2P_2O_7$ in the Presence of Media Agents

Noppadol Maneerat | *King Mongkuts Institute of Technology*

Banjong Boonchom | *King Mongkuts Institute of Technology*

TICEAS-205

Effect of Preparative pH on the Microstructure and Photocatalytic Performance of Magnetically Separable $CoFe_2O_4$ Photocatalysts

Cheewita Suwanchawalit | *Silpakorn University*

Vetiga Somjit | *Silpakorn University*

TICEAS-122

Diketopyrrolopyrrole-Based Small Molecules for Solution Process Organic Photovoltaic

Cheng Ming Hsieh | *Ming Chi University of Technology*

Sureshraj V. Vegiraju | *National Central University*

Chih Ping Chen | *Ming Chi University of Technology*

Ming Chou Chen | *National Central University*

TICEAS-176

Adsorption of Cationic Dyes by Amorphous TiO_2

Pimpaporn Sriprang | *Prince of Songkla University*

Sumpun Wongnawa | *Prince of Songkla University*

Model and Algorithm/ Civil Engineering /

Electrical & Electronic Engineering/

Fundamental and Applied Sciences/

Mechanical Engineering/ Environmental Engineering

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2014/12/18 Thursday 16:30-17:30

SEDT-36

Research on Enhancement of Thermal Infrared Imagery Based on PSO and GFO Algorithms

Yang Liu | *Institute of Remote Sensing and Digital Earth*

Jing Zhang | *Institute of Remote Sensing and Digital Earth*

Jianbo Liu | *Institute of Remote Sensing and Digital Earth*

Shibin Liu | *Institute of Remote Sensing and Digital Earth*

SEDT-37

Improved Phishing Attack Detection Using Hybrid Machine Learning Algorithms Based on URL Structure

Mustafa Aydin | *Middle East Technical University*

Nazife Baykal | *Middle East Technical University*

TICEAS-293

Data Estimation at Unmeasured Positions Using Measured Receptance Frequency Response Function

Su-Yong Park | *Kangwon National University*

Hee-Chang Eun | *Kangwon National University*

Dong-Ho Cho | *Kangwon National University*

TICEAS-372

Extra Cost for Airlines' Premium Economy Class: The Perspective of Passengers

Rong-Chang Jou | *National Chi Nan University*

Chung-Wei Kuo | *Aletheia University*

TICEAS-343

Acceleration of Shallow Water Equation with Space-Time Conservation Element and Solution Element Method Using Multiple Graphic Processing Units and Many Integrated Core Device

Tzu-I Tseng | *National Center for High-performance Computing*

Fang-An Kuo | *National Center for High-performance Computing*

Ho-Cheng Lien | *National Center for High-performance Computing*

TICEAS-230

A Modified On-Chip Spiral Inductor Design with Improved Quality Factors

Hao-Hui Chen | *National Kaohsiung First University*

Young-Huang Chou | *Huafan University*

TICEAS-306

Cepstrum Analysis of Human Walking Signal

Koichi Kurita | *Kinki University*

TICEAS-130

Diagnosis of Pre-Detection Systems Implemented DD (Direct Drive) Motor Control Robot

Daegil Kim | *Samsung Institute of Technology*

Jangho Son | *NRD Equipment Engineering Group, Samsung Electronics Co*

Jinsuk Hong | *NRD Equipment Engineering Group, Samsung Electronics Co*

TICEAS-290

ESD Protection Designs on Integrated Circuits with Very Low Parasitic Capacitance for Wireless Communication Applications

Chun-Yu Lin | *National Taiwan Normal University*

TICEAS-342

Search for the Optimal Combination of Devices in Hybrid Energy Storage System Using Genetic Algorithm

Maciej Benedykt Wieczorek | *Warsaw University of Technology*

Mirosław Lewandowski | *Warsaw University of Technology*

TICEAS-263

Lipid-Lowering Effects of Ivy Gourd (*Coccinia grandis* L. Voigt) Root in Mice Fed a High-Fat Diet

Ruthaiwan Bunkrongcheap | *Prince of Songkla University*

Masashi Inafuku | *University of the Ryukyus*

Hirosuke Oku | *University of the Ryukyus*

Nongporn Hutadilok Towatana | *Prince of Songkla University*

Chatchai Wattanapiromsakul | *Prince of Songkla University*

TICEAS-203

The Development of Novel Chemosensor for Zn²⁺ Detection Based on Fluorescein Scaffold

Khwanchanok Chantalakhana | *Rangsit Campus Thammasat University*

Panumart Thongyoo | *Rangsit Campus Thammasat University*

TICEAS-280

Oxidative Stress Total Phenolic Compound and Vitamin C Content in Varieties Color Vegetables

Pornpimol Muangthai | *Srinakharinwirot University*

Rasita Wanwet | *Srinakharinwirot University*

Wachiraphun Bovornchat | *Srinakharinwirot University*

TICEAS-87

Fabrication of the Periodic Nanostructure Arrays and Their Color Changing Response to Ethanol

Chi-Chung Peng | *National Formosa University*

Hsin Her Yu | *National Formosa University*

Yuan-Chang Yang | *National Formosa University*

TICEAS-178

Preparation of the Porous Structure and its Cyclic Voltammetry Performance on Sandpaper Based Electrode

Hsin Her Yu | *National Formosa University*

Jen-Yu Shieh | *National Formosa University*

Sung-Ying Tsai | *National Formosa University*

Bo-Yan Li | *National Formosa University*

TICEAS-70

Ergonomics Risk Assessment by RULA among Workers of Metal Can Manufacture

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

Busaya Ju-Ngam | *Valaya Alongkorn Rajabhat University under the Royal Patronage*

TICEAS-74

Safety Evaluation and Safety Behavior of Science Laboratory Users, Valaya Alongkorn Rajabhat University under Royal Patronage, Pathumthani Province, Thailand

Busaya Ju-Ngam | *Valaya Alongkorn Rajabhat University under Royal Patronage*

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

TICEAS-308

Predicted Factors of Health Risk Behaviors of Shoes Industrial

Sirilak Ngiuyai | *Valaya Alongkorn Rajabhat University under Royal Patronage*

TICEAS-163

Mosquito Larvicidal Activity of the Essential Oil of *Alstonia scholaris* (L.) R.Br. against *Aedes aegypti* L.

Pisit Poolprasert | *Pibulsongkram Rajabhat University*

Pattarawadee Inpuk | *Pibulsongkram Rajabhat University*

Weerayut Pama | *Pibulsongkram Rajabhat University*

Chalernporn Thongpoon | *Pibulsongkram Rajabhat University*

Wisanu Thongchai | *Pibulsongkram Rajabhat University*

TICEAS-131

Synthesis and Characterization of Functional Catalyst Ink and its Applications on the Inkjet Printing Mobile Antenna Elements

Yann-Yu Nian | *Chung Cheng Institute of Technology, National Defense University*

Chang-Pin Chang | *Chung Cheng Institute of Technology, National Defense University*

Ming-Der Ger | *Chung Cheng Institute of Technology, National Defense University*

Yu-Chi Chen | *Chung Cheng Institute of Technology, National Defense University*

TICEAS-320

Functional Study of Serine Proteinase Inhibitor Alpha-2-Macroglobulin from White Shrimp *Litopenaeus Vannamei*

Sirikwan Ponprateep | *Srinakharinwirot University*

Pimontree Buacheun | *Chulalongkorn University*

Chu Fang Lo | *National Cheng Kung University*

Anchalee Tassanakajon | *Chulalongkorn University*

Vichien Rimpanitchayakit | *Chulalongkorn University*

TICEAS-322

Development of PCR Technique for Identification of Fragrance Rice

Pattaraporn Suebsa-ard | *KMITL*

Suchada Iachabok | *KMITL*

Sunaree Changin | *KMITL*

Tipachai Vatanavicharn | *KMITL*

TICEAS-311

The Development of Virtual Laboratory in Separation Techniques to Investigate Achievement for Undergraduate Students

Piyarat Dornbundit | *Srinakharinwirot University*

Pattarika Charoensuk | *Srinakharinwirot University*

Jaruwat Noothong | *Srinakharinwirot University*

Piyada Jittangprasert | *Srinakharinwirot University*

TICEAS-285

Domain Antiviral Activities of the Five-Domain Kazal-Type Serine Proteinase Inhibitor from Black Tiger Shrimp *Penaeus Monodon*

Suchao Donpudsa | *Srinakharinwirot University*

Suwattana Visetnan | *Chulalongkorn University*

Anchalee Tassanakajon | *Chulalongkorn University*

Vichien Rimphanitchayakit | *Chulalongkorn University*

TICEAS-351**Isolation and Identification of Effective Cellulase Producing Bacteria Isolated from Soil**

Nonglak - Saithep | *Lampang Rajabhat University*

TICEAS-324**Rapid Screening of Culture Conditions for Extracellular Lipase Production from Halotolerant *Virgibacillus Alimentarius* LBU20907 Using the Plackett-Burman Experimental Design**

Sawitree Dueramae | *Prince of Songkla University*

Duangporn Kantachote | *Prince of Songkla University*

Toshiki Enomoto | *Ishikawa Prefectural University*

Preeyanuch Bovornreungroj | *Prince of Songkla University*

TICEAS-408**Role of Equalized Electronegativity in Modeling HIV-RT Inhibitory Activity**

Bashirulla Shaik | *National Institute of Technical Teachers Training & Research*

Anita K | *Career College*

Vijay Kumar Agrawal | *APS University*

TICEAS-35**Improving Image Quality Method in Tandem-type Color Laser Printers**

Dong-Guk Sim | *Samsung Electronics Co. Ltd.*

Sung-Dae Kim | *Samsung Electronics Co. Ltd.*

Sang-Bum Woo | *Samsung Electronics Co. Ltd.*

Gi-Cheol Jeong | *Samsung Electronics Co. Ltd.*

Heon-Joo Kim | *Samsung Electronics Co. Ltd.*

TICEAS-73**Thermal Circuit Model Consistent with Integral Energy Balance for Thermally Developing Forced Convection in a Circular Tube**

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

TICEAS-357**A Study on Energy Saving Strategy for Chiller System of Green High-Tech Factory**

Yu-Lieh Wu | *National Chin-Yi University of Technology*

Kun-Hua Lyu | *National Chin-Yi University of Technology*

Chi-Min Hsieh | *National Chin-Yi University of Technology*

TICEAS-323**Theoretical Performance Analysis of a Small Turbojet Engine using Various Fuel**

Onder Turan | *Anadolu University*

Yasin Sohret | *Anadolu University*

Tahir Hikmet Karaoc | *Anadolu University*

TICEAS-168**Study on the Fabrication Of Carbon Nanotube Forest on the Nickel Structures Using Carbon Nanotube, PDMS Mixture**

Kyung Kuk Jung | *Pusan National University*

Hong Kwon Chun | *Pusan National University*

Jong Soo Ko | *Pusan National University*

TICEAS-166**High Shock Accelerometer with Over Range Stop Bar**

Jae Min Lee | *Pusan National University*

Dae Ho Choi | *Pusan National University*

Chang Jun Choi | *Pusan National University*

Jong Soo Ko | *Pusan National University*

TICEAS-165**Silicon Accelerometer with Plate Spring**

Jae Min Lee | *Pusan National University*

Chang Uk Jang | *Pusan National University*

Chang Jun Choi | *Pusan National University*

Jong Soo Ko | *Pusan National University*

TICEAS-146**Microtoxicity of Different Soil Composition Tests Using a Luminously Freshwater-Borne Janthinobacterium Lividum YH9**

Ye-Eun Kim | *Hankuk University of Foreign Studies*

Seokwon Kang | *Hankuk University of Foreign Studies*

Guyoung Kang | *Hankuk University of Foreign Studies*

TICEAS-296**Distribution of Di(2-ethylhexyl)Phthalate (DEHP) in Sediments of Kaohsiung Harbor, Taiwan**

Chih-Feng Chen | *National Kaohsiung Marine University*

Cheng-Di Dong | *National Kaohsiung Marine University*

Chiu-Wen Chen | *National Kaohsiung Marine University*

Sung-Yi Tasi | *National Kaohsiung Marine University*

Bei-Bei Liu | *Guangdong Ocean University*

TICEAS-107**An Analytical Study of Dust Particle Size in the Feeding Area of Vehicle Tire Manufacturing Plants**

Wan-Ting Hsieh | *Central Taiwan University of Science and Technology*

Hsiao-Mei Yang | *Central Taiwan University of Science and Technology*

Kuen-Yuan Chuang | *Central Taiwan University of Science and Technology*

TICEAS-415**Control of Calcium Carbonate Scale Formation Using High Voltage Impulse Technique**

In-Soung Chang | *Hoseo University*

Tae Hui Kim | *Hoseo University*

June-Ho Lee | *Hoseo University*

Jae-Hwan Jung | *Hoseo University*