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

TICSS
Tokyo International Conference on Social Sciences
ISBN 978-986-5654-06-1

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
ISBN 978-986-5654-03-0
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### December 18, 2014

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<td>703  Computing Science &amp; IT Engineering I</td>
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<td>10:30-12:00</td>
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Conference Venue Information

Hotel
TOSHI CENTER HOTEL
Tel:+81-3-5216-8801(Room division)
Fax:+81-3-3262-1705
Email: 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 Keijimachi 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, Namboku 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, Hirakawacho 2-chome Toshi Center-mae. (Shinbashī - 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](http://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 of 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.
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

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<td>Universiti Sains Malaysia</td>
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<td>Stephen Redmond</td>
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<td>P.K.Barhai</td>
<td>Birla Institute of Technology</td>
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<td>Indian Institute of Technology Roorkee</td>
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<td>Mohd. Nasir Mohd. Desa</td>
<td>Universiti Putra Malaysia</td>
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<td>Aliakbar Roodbari</td>
<td>Shahroud University of Medical Sciences</td>
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<td>Annamalai University</td>
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<td>K. Padmakumar</td>
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<td>The University of Florida</td>
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<tr>
<td>Debkumar Chakrabarti</td>
<td>Department of Design, Indian Institute of Technology, Guwahati</td>
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<td>Shahjalal University of Science &amp; Technology</td>
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<td>Mohamed Azmi Ahmad Hassali</td>
<td>Universiti Sains Malaysia</td>
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<td>Language Institute, Bangkok University</td>
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Ahmad Zuhairi Abdullah
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Fadzilah Adibah Abdul Majid
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Yusri b. Yusup
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Hasan Akhtar Zaidi
University School of Chemical Technology Guru Gobind Singh Indraprastha University
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Ying Xing  
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Young-Ok Kim  
Chonnam National University
Special Thanks to Session Chairs

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<td>Harkirat Kaur</td>
<td>Dr. D. Y. Patil ACS College, Pune University</td>
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<td>Michiko Miyamoto</td>
<td>Akita Prefectural University</td>
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<td>Jason Ho</td>
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<td>Mayura Soonwera</td>
<td>King Mongkut’s Institute of Technology Ladkrabang</td>
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<td>Loyola University Chicago</td>
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<td>Zeeshan Khatri</td>
<td>Mehran University of Engineering and Technology &amp; Shinshu University</td>
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<td>Shie-Jue Lee</td>
<td>National Sun Yat-Sen University</td>
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</table>
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.
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 Cal Poly Pomona. 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 18\textsuperscript{th}, 2014

Society I

707

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

Session Chair: \textit{Prof. Ranjan Bandyopadhyay}

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**TICSS-240**

\textbf{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**

\textbf{The Influence of International Labour Migration on the Family Institution in Sri Lanka}

Geethani Amarathunga | University of Kelaniya

**TICSS-323**

\textbf{Volunteer Tourism: Colonialism Revisited?}

Ranjan Bandyopadhyay | Mahidol University

**TICSS-375**

\textbf{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

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 Kanthuwan | 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
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

Investigating the Non-homogeneity Characteristics of Sponsored Research
Noor Saifurina Nana Khurizan | Universiti Sains Malaysia
Adli Mustafa | Universiti Sains Malaysia

Group Decision Making for Prioritization of Enabling Factors for Business Incubators: The Correlation and Sensitivity Analysis
Nisakorn Somsuk | Eastern Asia University

Using Mathematica in Engineering Mathematics and Computational Physics
Niyazi Yükçü | Adıyaman University

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

Effect of Hot Food Consumption Campaign on Dynamical Model of Cholera
Phagamas Mhodjam | Suratthani Rajabhat University
Surapol Naowarat | Suratthani Rajabhat University
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

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

Design of Motor Vehicle Insurance Policy Management Application
Anak Agung Gde Agung | Telkom University

Automating Big Data Analysis: Malaysia CERT Experience
Sharifah Roziah Mohd Kassim | Cybersecurity Malaysia
Wira Zanoramy A. Zakaria | Cybersecurity Malaysia
TICSS-92
Easing Students Stress with Continuous Assessment Components
Wing Sze Biddy 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 Zainal Abidin
Normila Noruddin | University of Sultan Zainal Abidin
Rahimah Embong | University of Sultan Zainal Abidin
Raja Hazirah Raja Sulaiman | University of Sultan Zainal Abidin
Nooranida Awang | University of Sultan Zainal Abidin
Mohd Taufiq Talib | University of Sultan Zainal Abidin
Zaiton Mustafa | University of Sultan Zainal Abidin

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 University
Supakit Buakaw | Khon Kaen University

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 Island
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 Rahbiba Busaeri | Universitas Muslim Indonesia
Biomedical Engineering

708

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

Session Chair: Prof. Shiannfong Huang

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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.

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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
Setiahardi | 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
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 Budsanlee | 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 Sitchok | King Mongkut’s Institute of Technology Ladkrabang
Orawan Wongnet | King Mongkut’s Institute of Technology Ladkrabang
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

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
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

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**

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**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

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

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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 Tarakçıoğlu | University of Selcuk

TICEAS-91
Investigation of Mechanical Properties of Nanoclay Reinforced High Density Polyethylene Nanocomposites
Harun Sepet | University of Selcuk
Necmettin Tarakçıoğlu | 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 Pakiela | 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

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*

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**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*

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**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*

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**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*

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**TICSS-140**

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

Punyisa Kuendee | *Siam University*

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**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 Saecki | 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 Diaa 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
Vygridas 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

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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 Dimangondayao 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-Orientation 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
Communications / Culture III

708

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

Session Chair: Prof. Jason Ho

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**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 Maleficient 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 Poung 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

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)
Taquddin Abdul Muki | National University of Malaysia
Fatimah Yusooff | 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 Nadiah Abdul Rahman | Universiti Teknologi Mara, Malaysia

TICSS-124
Coordinated Public Transportation-Workplace Route Network
Adzlia Noor Nadiah 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

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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

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
China’s 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 Infringement 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
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-Hyoung 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

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

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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
Lib-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
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

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 Ayzenstadt | 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 Tarakçıoğlu | 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-Amino4-Methylpyrimidine-2-Chlorobenzoic Acid (1/2)
Abbas Farhadikoutenaei | 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 / Education / Life Science

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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
Yongwhei 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 Sritongtae | 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 Kaiyawat | Chulalongkorn University
Richard Lonsdale | University of Bristol
Thanyada Rungrotmongkol | Chulalongkorn University
Adrian J. Mulholland | University of Bristol
**Poster Sessions**

**Biological Science/ Biomedical Engineering/ Chemical Engineering/ Material Science and Engineering**

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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 Kang | 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
Chuian-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
Rattanaporn 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 Basidomycetes 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-σ 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 NixMn3-xO4+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 NixMn3-xO4 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 Co1/2Fe1/2(H2PO4)2•2H2O to CoFeP4O12
Banjong Boonchom | King Mongkuts Institute of Technology
TICEAS-333
Rapid Two-Step Synthesis of Manganese Pyrophosphate Mn2P2O7 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 CoFe2O4 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
Sureshraju 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 TiO2
Pimpaporn Sriprang | Prince of Songkla University
Sumpun Wongnawa | Prince of Songkla University
Poster Sessions

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
Chalermporn 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
Anchalae 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
Anchalae Tassanakajon | Chulalongkorn University
Vichien Rimpanitchayakit | 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