

Conference Program

May 24-26, 2016
Beijing, China

ISCEAS

International Scientific Conference on Engineering and Applied Sciences

IBSSS

Global Symposium on Social Sciences

ISSTEP

International Symposium on Society, Education and Psychology

ISCEAS

International Scientific Conference on Engineering and Applied Sciences

ISBN 978-986-89844-9-3

IBSSS

Global Symposium on Social Sciences

ISBN 978-986-89844-8-6

ISSTEP

International Symposium on Society, Education and Psychology

ISBN 978-986-88450-1-5

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General Information for Participants

■ **Registration**

The registration desk will be situated on the **4th floor** at the **OrientalBay International Hotel** during the following time:

08:00-16:00 Wednesday, May 25, 2016

08:30-16:00 Thursday, May 26, 2016

■ **Organizer**



Higher Education Forum (HEF)

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



■ **A Polite Request to All Participants**

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



Sandals or Slippers



Tank Top



Shorts

■ **Certificate**

Certificate of Presentation or Certificate of Attendance

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

Certificate Distribution

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

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

■ Preparation for Oral Presentations

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

Preparation for Poster Presentation

Materials Provided by the Conference Organizer:

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

Materials Prepared by the Presenters:

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



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

HEF Core Committees

Dr. Ricky Yuk-Kwan Ng
Head Centre for Learning and Teaching
Vocational Training Council
Hong Kong

Dr. Yong Won Seo
Associate Professor
Chung-Ang University
South Korea

Dr. Peter Morton
Professor
Chinese Culture University
U.S.A

Dr. David C. Donald
Professor
The Chinese University of Hong Kong
U.S.A

Dr. Anthony David Johnson
Professor
Seoul National University of Science and Technology,
United Kingdom

International Committees

International Committee of ISCEAS

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Lai Mun Kou	SEDi University
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Chil Chyuan Kuo	Ming Chi University
Sudhir C.V.	Caledonian College of Engineering

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Shujen Lee Chang	Asia University
Theeraphab Phetmalaikul	Srinakharinwirot University
Vijayaletchumy Subramaniam	Universitas Putra Malaysia
Wei-Cheng(Joseph) Mau	Wichita State University

International Committee of ISSTEP

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Azilawati	Nanyang Technological University, Singapore
Bayram Akarsu	Erciyes University
Bor-Tyng Wang	Feng Chia University
Donghun Lee	Sungkyunkwan University
Cathine G. Scott	Morris College in Sumter
Prasong Tanpichai	Kasetsart University
Hamzeh Dodeen	United Arab Emirates University
Sadiq Abdulwahed Ahmed Ismail	United Arab Emirates University
Kim, Deok Man	Baekseok University
Adeeb Jarrah	United Arab Emirates University
Wei-Cheng(Joseph) Mau	Wichita State University
Kanokphon Chantananungpak	Srinakharinwirot University
Vijayaletchumy Subramaniam	Universitas Putra Malaysia
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Shujen Lee Chang	Asia University
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Ching-Yi Tien	I-Shou University
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Darshan kaur Narang	University of Rajasthan, Jaipur
Ronald Griffin	Florida Agricultural & Mechanical University
Eddy K.W. Li	University of Cambridge

International Liaison



Dr. Joy Kamakamaewailani Rodriguez, Ph.D

Foreign Language Professor

Beijing Forestry University

Special Thanks to Session Chairs

Herman Mawengkang	University of Sumatera Utara
Bob Barrett	American Public University
Yang-Kyu Shin	Daegu Haany University
Saib Suwilo	University of Sumatera Utara
Ruth X. Liu	San Diego State University
Zhiguang Xu	Valdosta State University
Xiaomin Deng	University of South Carolina
Jin Oh Chung	Sunchon University
Joy Kamakamaewailani Rodriguez	Beijing Forestry University
Jiyeon Kim	King's College London

Conference Venue Information

OrientalBay International Hotel

No.26 Anwai Xibinhe Road, Dongcheng District, Beijing

Phone: +86 10 5813 9988

OrientalBay International Hotel, Beijing is located in No.26 Anwai Xibinhe Road, Dongcheng District. It is a five-star, Han culture theme business hotel with catering, conference, hotel rooms, office and entertainment. Hotel is well-located and easy of access, it only takes 30 minutes to Beijing International Airport and 20 minutes to Beijing Railway Station by car, the nearest subway station only takes people 5 minutes by foot. Hotel is located in Beijing's central axis surrounded by city moat and shichahai with beautiful scenery and it also near numbers of famous places of interest such as Beihai Park, Jingshan mountain, Beijing Bell Tower and Drum Tower, Lama Temple and Ditan Park. You can view the whole Beijing in hotel rooms.

Transportation

Directions from Beijing International Airport

By Airport Express Railway

Board the Beijing Airport to Terminal 2 from B2 of Parking Garage No. 2 of Express Railway. Get off at Dongzhimen Station.

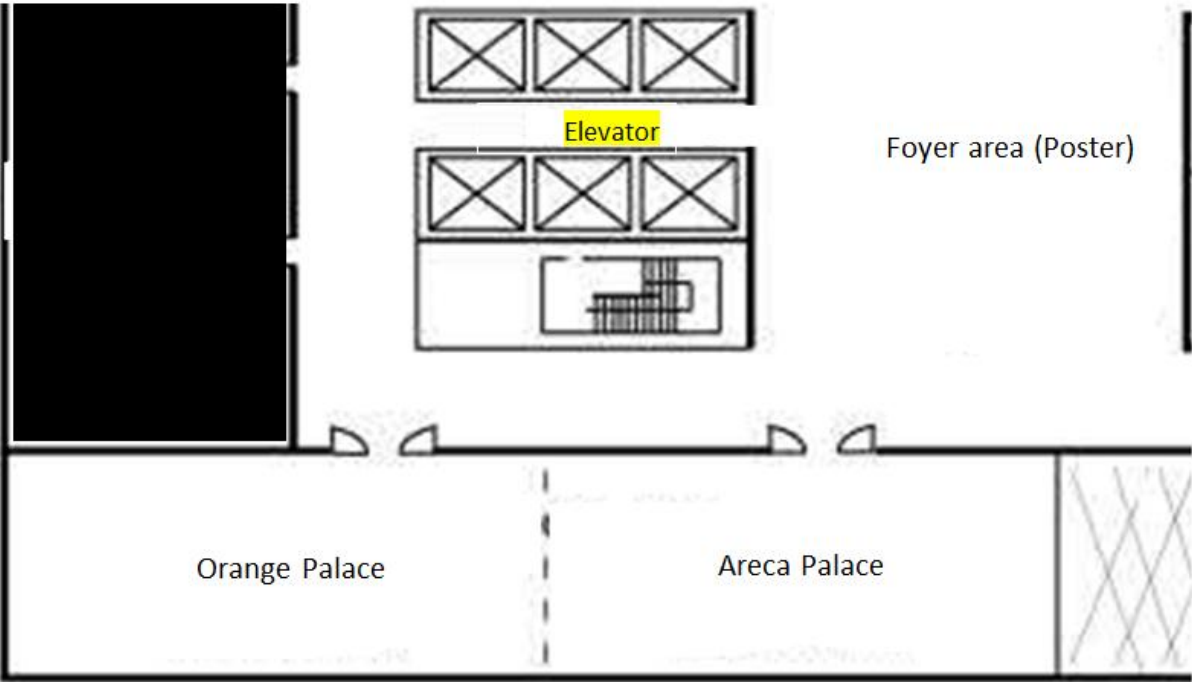
From there you can either:

- 1) Transfer from Dongzhimen to Guloudalie (Blue Line No.2 towards Xiahimen)
- 2) Take exit Exit B (Northeast Exit) walk for 5 mins to Oriental Bay International Hotel

By Airport Taxi

- 1) Take a taxi to the Oriental Bay International Hotel (about 30 minutes and approximately 90 RMB)

OrientalBay International Hotel Floor Plan (4th Floor)



Conference Schedule

Tuesday, May 24, 2016

Internal Meeting (HEF Staff Only)

Wednesday, May 25, 2016

Oral Presentation

OrientalBay International Hotel (4th Floor)

Time	Schedule	Venue
08:00-16:00	Registration	4th Floor
08:30-10:00	Fundamental and Applied Sciences (1)	Areca Palace
	Education (1)	Orange Palace
10:00-10:10	Tea Break & Networking	Foyer Area
10:10-10:30	Welcome Speech & Introduction of Committee	Areca Palace
10:30-12:00	<p><u>Nature Science Keynote Speech(I)</u> Dr. Anthony David Johnson <u>Topic: The Need for Sustainable Engineering</u></p>	Areca Palace
	<p><u>Nature Science Keynote Speech(II)</u> Dr. Ochieng Aoyi <u>Topic: Synergistic Effects between Photodegradation and Biodegradation</u></p>	
10:30-12:00	<p><u>Social Science Keynote Speech(I)</u> Dr. Mohamed Abdo Mahgoub <u>Topic: The Dimensions and Research Ethics of the Socio - Anthropological Approach in Alexandria School of Societal Research</u></p>	Orange Palace
	<p><u>Social Science Keynote Speech(II)</u> Dr. Eun Jin Hwang <u>Topic: Tradition and Innovation in the Fashion Industry, Challenges in Transitioning to a Cultural Industry</u></p>	

12:00-13:00	Lunch Time	Poplar Café(1 st Floor)
13:00-15:00	Committee Meeting(Invited Committee Only)	Areca Palace
	Economy / Management	Orange Palace
15:00-15:30	Tea Break & Networking	Foyer Area
15:30-17:30	Fundamental and Applied Sciences (2) / Electrical and Electronic Engineering	Areca Palace
	Society	Orange Palace

Wednesday, May 25, 2016

Poster Presentation

OrientalBay International Hotel (4th Floor) Foyer Area

Time	Schedule
08:30-09:30	Poster Sessions I Psychology / Education / Business / Economy
09:40-10:40	Poster Sessions II Environmental Sciences / Electrical and Electronic Engineering / Material Science and Engineering / Biomedical Engineering / Mechanical Engineering/ Computer and Information Sciences

Thursday, May 26, 2016

Oral Presentation

OrientalBay International Hotel (4th Floor)

Time	Schedule	Venue
08:30-16:00	Registration	4th Floor
09:00-10:30	Computer and Information Sciences	Areca Palace
10:30-10:40	Tea Break & Networking	Foyer Area
10:40-12:00	Chemical Engineering/Mechanical Engineering	Areca Palace
12:00-13:00	Lunch Time	Poplar Café(1 st Floor)
13:00-14:30	Material Science and Engineering	Areca Palace
14:30-14:40	Tea Break & Networking	Foyer Area
14:40-16:10	Education (2) / Psychology	Areca Palace
16:10-16:20	Tea Break & Networking	Foyer Area
16:20-17:50	Culture / Politics/Law	Areca Palace

Nature Sciences Keynote Speech (I)

Areca Palace, 4th Floor

10:30-12:00, Wednesday, May 25, 2016

Topic: The Need for Sustainable Engineering

Prof. Anthony David Johnson

Ph.D, M.I.Mech.E, C.Eng, FHEA

**Seoul National University of Science and Technology,
MSDE Scheme, South Korea**



Abstract:

When was the earth completely sustainable? To answer this question one would have to go back to the time before humans arrived. The Earth began to become unsustainable when the first humans extracted minerals from the earth without returning them. Since that time mineral extraction to create goods has gradually grown along with increases in population and has accelerated to unprecedented levels during the last 200 years.

Human population is growing at an alarming rate and is making increasing demands for goods, services and energy all of which necessitates extraction of raw materials and affecting the Earth's ecosphere.

If left alone the natural cycle would automatically degrade and return natural elements to the earth. This cannot be said of the industrial cycle which uses Earth's resources and returns only a small proportion back to the Earth creating a very unsustainable ecosphere.

It is true that engineers of all shades are responsible for providing the goods and services that the human race demands so vehemently. It is clear that total sustainability of earth's ecosystem and resources is arguably impossible to achieve, but those very same engineers who are creating products and services can also be responsible for creating sustainably designed and engineered products. The correct approach for the "Sustainability Engineer" would be to create products with the least impact on the environment.

This paper reviews the historical aspects of sustainability, examines the current use and abuse of planet Earth and suggests approaches and methods by which sustainability engineers can reduce the environmental impact of humanities increasing demands.

Brief Introduction of Dr. Anthony David Johnson

After leaving school at 16 years old I joined an apprenticeship scheme in precision tool making with the Royal Navy.

My experience thereafter was in design and sales relating to machine tools, machine knives, and lubrication equipment. At 27 years old I re-educated achieving a 1st Class Bachelor's Degree in Mechanical Engineering (Design). On completion I was offered the post of Assistant Chief Designer where I was managed a busy design office designing rock drills which were generally 45 tonne crawler tracked items of plant requiring analytical, hydraulic, pneumatic and high-level engineering skills and knowledge in their design.

During my 28 year tenure in the post of Professor at the University of Huddersfield I have taught numerous subjects including: dynamics, stress analysis, manufacturing, automotive design and general engineering design. In March 2014 I took up the post of Professor at Seoul National University of Science and Technology with the brief of expanding the research topic of Sustainable Engineering within my department.

During my academic career engineering I have been involved in over 400 design consultancy projects and have written numerous papers and two text books "Foundations of Mechanical Engineering" and "Sustainability in Engineering Design"

I hold several intuitional affiliations:

Member of the Institution of Mechanical Engineers

Chartered Engineer

Fellow of the Higher Education Academy

My current research interest is that of Sustainable Engineering Design and more precisely the design kinetic energy storage systems.

My academic duties have expanded beyond teaching and research into external examination for several universities, educational consultancy and participation in British Standards Institute committees. I am also an international educational consultant relating to courses which are taught in the UK and at overseas universities.

Nature Sciences Keynote Speech (II)

Areca Palace, 4th Floor

10:30-12:00, Wednesday, May 25, 2016

*Topic: Synergistic Effects between
Photodegradation and Biodegradation*

Prof. Ochieng Aoyi
Chemical Engineering,
Vaal University of Technology
South Africa



Abstract:

Biological processes are the most widely used wastewater treatment techniques, however, the current trend in wastewater management is to integrate conventional methods with new ones such as advanced oxidation processes. A combined process involving anaerobic digestion (AD) as an initial step to remove the biodegradable components and solar photodegradation post-treatment for the removal of melanoidins was studied with emphasis on the effect of the initial biological step on the post-treatment photodegradation step. Used as a post-treatment, photocatalysis was able to remove biorecalcitrant compounds in the AD exit stream. Conversely, photocatalysis as pre-process improved biodegradability of the waste. The AD step could produce electricity of 59 kWh/m³ which constituted 40% of its electricity requirement.

Therefore, the AD driven by renewable energy coupled with a solar driven photocatalysis is a potential cost effective method for wastewater treatment. Analysis of the kinetics showed that about 10% of the total organic carbon (TOC) was non-biodegradable under the prevailing experimental conditions. Biomass yield was found to be 0.4658 g/g, methane yield was 0.28 LCH₄/g TOC while endogenic micro-organisms decay coefficient was 0.0293. The decay coefficient suggested that solid-liquid separation was necessary before the post-treatment step to remove biomass. The initial anaerobic step was effective in TOC reduction achieving 90% removal but performed poorly in colour reduction achieving 50% removal. Solar photodegradation post treatment achieved total colour reduction, with the removal rate depending on OLR and HRT applied in the initial AD step. The substrate utilization decreased with an increase in HRT in the initial AD step from 0.2 to 0.05 g TOCg-1VSS-1 when HRT

was increased from 6-20 days. In contrast, the photodegradation rate increased from 0.025 to 0.45 h⁻¹ when the HRT of the initial AD step was increased from 6 to 20 days.

Brief Introduction of Dr. Ochieng Aoyi

Ochieng Aoyi is a professor of chemical engineering at the Vaal University of Technology (VUT), South Africa. He has published largely in the fields of environmental management, computational fluid dynamics (CFD) and bioenergy. His broad research interests include climate change, biofuels and water/wastewater management. He is director of the Centre for Renewable Energy and Water and head of the Department of Chemical Engineering at the VUT. He has got about 20 years of research and teaching experienced gained from different universities spread across the globe (Kenya, Tanzania, China, Australia, Germany and South Africa). He has worked with people from different cultures and speaks English, Chinese, Kiswahili, French and Dholuo. He is an editor of two journals and a regular reviewer for 22 peer reviewed journals based in different parts of the world.

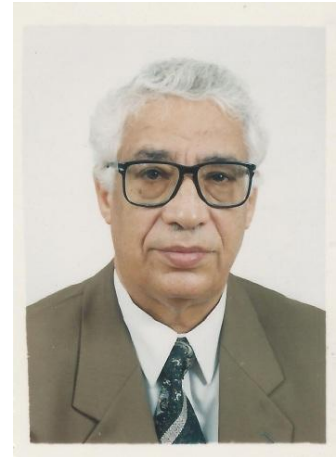
Social Sciences Keynote Speech (I)

Orange Palace, 4th Floor

10:30-12:00, Wednesday, May 25, 2016

Topic: The Dimensions and Research Ethics of the Socio - Anthropological Approach in Alexandria School of Societal Research

Prof. Mohamed Abdo Mahgoub
Faculty of Arts, Alexandria University,
Chatby, Alexandria, Egypt



Abstract:

This paper aims to present the dimensions and research ethics of the socio - anthropological approach in Alexandria school of societal research as follows:

First- The dimensions of the socio - anthropological at the School of Alexandria :

- The historical beginnings of sociology and anthropology at Egyptian universities , and the search of so called Arab theory in the social sciences .
- Telegraphic presentation of the areas and issues of research projects.
- Examples of the scope of master's and doctoral research in anthropology at the University of Alexandria.

Second - The dimensions of the socio-anthropological approach at the School of Alexandria :

- The foundations of social structure which is the subject of socio- cultural anthropology is ecological, demographic and cultural ones, since the inevitable " interaction" between man and environment is through material and nonmaterial culture.
- The ecological, demographic and cultural foundations is reflected in the social systems: the economic, kinship, political and believes systems,
- The nuclear units of social structure is " social relations. The social relation implies interaction among two or more persons in specific statuses, in which everyone has to play his role according to the prevailing norms (values- standards) . Failing to behave not only according to societal - but also to global norms - is faced with different types of sanctions.

- The regional scope of socio-cultural anthropology - although of early concern with so called "primitive" - it is traditional, pre-industrial non-western communities. Monitoring the anthropological field research reveals it is interested in different "human types" . In the time being it is covering urban, industrial, developing and developed, modern and even post industrial or post modern societies. Anthropological research is "accepted" or not refused or suspected in traditional societies nowadays.

- Ethnographic documentation as a background for anthropological analysis includes the elements of the local or community culture. So social analysis apart of cultural one looks irrational. Social interaction is necessarily through cultural practices and tools.

Anthropological research since the World War II is not dealing only with structural stability, interdependence and balance among structural components and social systems, but different stages of change i.e. cultural, social and structural changes is matters of concern in contemporary anthropological research. Giving much room and time to "traditional communities" in anthropological field research is not mainly for historical or theoretical reasons but its for "applied targets" .

The royal method of anthropological field research : " participant Observation" , informants storytelling, tribal and individual genealogies, life histories , administrative and personal unpublished documents and other verbal or qualitative techniques of data collecting may not be informative enough in classical anthropological issues such as marital choice. Quantitative data and statistical analysis is assessment of demographic and economic changes. Off course quantitative documentation was unavailable in "primitive" societies because of prevailing of illiteracy and vocal culture and it was difficult in studying specific issues such as: feudal solidarity, believes systems, aesthetic values. In contemporary anthropological research questionnaire, quantitative surveys is to check validity of qualitative ethnographic data.

Third- The Ethics of Socio - Anthropological Research;

- The cultural context of the ethics of scientific research.
- The "general" ethics of scientific research and the "specific" ethics in ethnographic studies.
- The researcher and the informant's human rights.
- The professorship and apprenticeships in scientific research.
- The subjectivity and objectivity in the humanities.
- Honoring the value of research freedom.

Ethics of funding sources:

Ethics of introducing and promoting of the research projects:

The ethics in implementation of the socio-anthropological methods:

Ethics of participant observation, Ethics in relying on the informants, Ethics of tracing tribal and individual genealogies, Ethics of recording and relying on of non-specialists ethnographers in socio- anthropological interpretation , The unpublished documents such as personal letters and documents, commercial and rents contracts , tribal conventions (feudal reconciliations , land tenure and water sources agreements), as well as unpublished - governmental or nongovernmental statistics, reports and studies are massive amount of ethnographic data, which should not be published or cited without the consent of their owners , and without hurting them, Ethics of the use of audio and video techniques:

Ethics of presentation and application of socio - anthropological research results.

Brief Introduction of Dr. Mohamed Abdo Mahgoub

- Emeritus Professor of Anthropology, Ex. Dean of Faculty of Arts – Alexandria University- Egypt.
- Ex. Assistant, associate professor , Kuwait University
- Ex. Chairman Sociology Department, Imam Mohamed Bin Saud University. Saudi Arabia
- Ex. Dean , chairman Anthropology, Alexandria University

Social Sciences Keynote Speech (II)

Orange Palace, 4th Floor

10:30-12:00, Wednesday, May 25, 2016

Topic: Tradition and Innovation in the Fashion Industry, Challenges in Transitioning to a Cultural Industry

Prof. Eun Jin Hwang

Associate Professor

Department of Human Development and Environmental Studies

Indiana University of Pennsylvania



Brief Introduction of Dr. Eun Jin Hwang

Dr. Eun Jin Hwang is an Associate Professor in the Department of Human Development and Environmental Studies at Indiana University of Pennsylvania, USA. She received a Ph.D. and Master degree from Virginia Polytechnic Institute and State University. Her recent research and teaching focuses on fashion merchandising, strategic management with respect to textiles and apparel, the textile and apparel industry and trade, sustainability in apparel retail industry, the connection with consumers via social networking in apparel retailers and self-construals on consumers' decision-making styles on clothing purchasing. Dr. Hwang received the Best Paper Award at the Advances in Business-Related Scientific Research Conference (ABSRC) 2012, Venice, Italy. Dr. Hwang is also highly regarded professional reviewer with the Journal of the Academy of Marketing Science, Journal of Family and Economic Issues, International Textiles and Apparel, Journal of Fashion Marketing and Management, Fashion and Textiles, and Transnational Corporations Review. Currently she is chief editor of Journal of Economic, Business and Management (JOEBM). She has reviewed seven textbooks from three different publishers and written a case study for a textbook. Dr. Hwang has been the keynote speaker at several international conferences.

Fundamental and Applied Sciences (1)

Wednesday, May 25, 2016 08:30-10:00 Areca Palace

Session Chair: *Prof. Herman Mawengkang*

ISCEAS-1209

Discrete Optimization Model for Production Scheduling and Distribution Planning Problem of Perishable Fish Processed Products

Intan Syahrini | *Syiah Kuala University*

Herman Mawengkang | *University of Sumatera Utara*

ISCEAS-1211

Nonlinear Mixed Integer Programming Model for the Integrated Seafood Production and Distribution Planning Problem Considering Waste

Tutiarny Naibaho | *Quality University*

Herman Mawengkang | *University of Sumatera Utara*

ISCEAS-1213

An Optimization Model for Sustainable Energy Planning

Irvan | *University Muhammadiyah Sumatera Utara*

Herman Mawengkang | *University of Sumatera Utara*

ISCEAS-1216

Model Evaluation to Measure Efficiencies of ICT Pura in Indonesia Region Using DEA

Syahril Efendi | *University of Sumatera Utara*

Herman Mawengkang | *University of Sumatera Utara*

ISCEAS-1312

An Optimization Model of Vehicle Routing Problem for Food Catering Delivery with Heterogeneous Fleet

Pasukat Sembiring | *University of Sumatera Utara*

Herman Mawengkang | *University of Sumatera Utara*

ISCEAS-1326

An Optimization Model for Cargo Container Loading Plan Problem for Perishable Seafood Products

Zainal Azis | *University of Sumatera Utara*

Marwan Ramli | *Syiah Kuala University*

Herman Mawengkang | *University of Sumatera Utara*

ISCEAS-1311

Integer Optimization Model of Dynamic Interactions in Social Networks

Maya Silvi Lydia | *University of Sumatera Utara*

Herman Mawengkang | *University of Sumatera Utara*

Education (1)

Wednesday, May 25, 2016 08:30-10:00 Orange Palace

Session Chair: *Prof. Bob Barrett*

IBSSS-1043

Values of Youths: What Do They Believe?

Yuanshan Cheng | *National Institute of Education*

Youyan Nie | *National Institute of Education*

Chau Tee Teo | *National Institute of Education*

IBSSS-988

The Influence of School Leadership and Management Style on the Academic Performance & Dropout Rate of the Orang Asli Primary School Children in Terengganu

Amran Ahmed | *Universiti Malaysia Perlis*

Ramle Abdullah | *Universiti Sultan Zainal Abidin*

Mohamad Hafis Amat Simin | *Universiti Sultan Zainal Abidin*

Lua Pei Lin | *Universiti Sultan Zainal Abidin*

Sahar Sa'di Hashim | *Universiti Sultan Zainal Abidin*

Mohamad Asmawi Ibrahim | *Universiti Sultan Zainal Abidin*

Asmariah Mahammed | *Universiti Sultan Zainal Abidin*

Nurul Faezah Noor Azizan | *Universiti Sultan Zainal Abidin*

Muhammad Khairi Salihin Ihin | *Universiti Sultan Zainal Abidin*

IBSSS-993

Socialization of an Online Community Members with Disabilities in terms of Information/Knowledge Management Exchange

Bob Barrett | *American Public University*

ISSTEP-2027

Learning Disabilities, Metacognition, and the Writing Process

Delayne Connor | *Bridgewater State University*

ISSTEP-2118

Difficulties in Teaching Offspring Heritage Language Experienced by Chinese Marriage Immigrants in South Korea

Jia Chen | *Inha university*

Youngsoon Kim | *Inha university*

Economy / Management

Wednesday, May 25, 2016 13:00-15:00 Orange Palace

Session Chair: *Prof. Yang-Kyu Shin*

IBSSS-817

Chinese Value Perceptions and Global Economy Implications

Ziying Cao | *Wuhan University*

Verl Anderson | *Walden University*

IBSSS-977

Public Health Expenditure, Urbanization, Income, and Education as Factors Affecting Health Outcome in the Philippines

Loranne Corpuz | *University of Santo Tomas*

Joanna Jasmin | *University of Santo Tomas*

Juliane Marthe Dela Cruz | *University of Santo Tomas*

Marie Antoinette L. Rosete | *University of Santo Tomas*

Al Faithrich Navarrete | *University of Santo Tomas*

IBSSS-824

Bidding Strategies in Consumer Online Auctions: A Review of Empirical Studies

Jianwei Hou | *Minnesota State University, Mankato*

IBSSS-970

Empirical Study on Error Pattern Analysis in Survey Data: Case of Alcohol Addiction Study in South Korea

Yang-Kyu Shin | *Daegu Haany University*

IBSSS-967

From Developmental State to Platform State: The Evolution of Governance Institutions of Zhangjiang High-Tech Cluster in Shanghai City

Sheng-Wen Tseng | *National Taiwan Ocean University*

Fundamental and Applied Sciences (2) / Electrical and Electronic Engineering

Wednesday, May 25, 2016 15:30-17:30 Areca Palace

Session Chair: *Prof. Saib Suwilo*

ISCEAS-1219

Exponent and Scrambling Index of Joint and Corona Product of Graphs

Saib Suwilo | *University of Sumatera Utara*

ISCEAS-1214

A Mixed Integer Nonlinear Programming Model for Product Positioning Problem

Meslin Silalahi | *University Tapanuli*

Nerli Khairani | *University of Sumatera Utara*

Herman Mawengkang | *University of Sumatera Utara*

ISCEAS-1224

Cementation Exponent (m) and Sw Analysis for Hydrocarbon Prospecting In Carbonate Reservoir, Well#AF-10, ARF Field, North West Java Basin

Jarot Setyowiyoto | *Universitas Gadjah Mada*

Arif Fadhlirrahman | *Universitas Gadjah Mada*

ISCEAS-1132

A Self-Healing Microgrid Social Network with Distributed Energy Trading Mechanism

Youbiao He | *The University of Akron*

Jin Wei | *The University of Akron*

ISCEAS-1331

Modeling the Existence of Basic Offspring Number on Basic Reproductive Rate of Dengue in Transovarial Transmission

Hamidah Nasution | *State University of Medan*

Herman Mawengkang | *University of Sumatera Utara*

Syahril Pasaribu | *University of Sumatera Utara*

ISCEAS-1332

Diversity and Distribution of Microbial Communities in Subtropical Coastal Wetland Sediments

C. Kim Wong | *The Chinese University of Hong Kong*

Man Kit Cheung | *The Chinese University of Hong Kong*

Ka Hou Chu | *The Chinese University of Hong Kong*

Hoi Shan Kwan | *The Chinese University of Hong Kong*

ISCEAS-1325

A Multi Criteria Optimization Model for Production Planning of Crude Palm Oil with Environmental Constraint

Rina Filia Sari | *Islamic State University*

ISCEAS-1328

An Optimization Model of Hospital Capacity Management Problem under Uncertainty

Suryati Sitepu | *University of Sisingamangaraja*

Herman Mawengkang | *University of Sumatera Utara*

ISCEAS-1330

Fluid Flow in Some Pipe Networks

Tulus | *University of Sumatera Utara*

Sawaluddin | *University of Sumatera Utara*

Cici Hayani | *University of Sumatera Utara*

Society

Wednesday, May 25, 2016 15:30-17:30 Orange Palace

Session Chair: *Prof. Ruth X. Liu*

IBSSS-1017

Conceptual Framework for Environmental Design and Management of Residential Community for Enhancing Elderly Well-Being

Porntip Ruengtam | *Maharakham University*

IBSSS-1048

Parental Discipline and Delinquency among Chinese Adolescents

Ruth X. Liu | *San Diego State University*

ISSTEP-2127

A Study on Ethnic Identities and Cultural Identities of Old-Timers Chinese in South Korea

Juanjuan Zang | *Language Training Center*

Jihyeon Jeong | *Language Training Center*

IBSSS-976

Participatory Action and Design Research: A Multi-Disciplinary Approach for Sustainable Development in Rural China

Peter Hasdell | *The Hong Kong Polytechnic University*

Computer and Information Sciences

Thursday, May 26, 2016 09:00-10:30 Areca Palace

Session Chair: *Prof. Zhiguang Xu*

ISCEAS-993

Symbolic Regression with GPU Accelerated Genetic Algorithms

Zhiguang Xu | *Valdosta State University*

ISCEAS-1147

Creation of Knowledge Management Components in Human Resource Information Systems (HRIS) in Learning Organizations

Bob Barrett | *American Public University*

ISCEAS-1130

Reducing Reader Collisions in RFID Networks

Po-Jen Chuang | *Tamkang University*

Wei-Ting Tsai | *Tamkang University*

ISCEAS-1111

Cycle Embedding with Prescribed Edges in Crossed Cubes of One Vertex Fault

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

Chemical Engineering / Mechanical Engineering

Thursday, May 26, 2016 10:40-12:00 Areca Palace

Session Chair: *Prof. Xiaomin Deng*

ISCEAS-1334

Preparation of Mg/Al-Layered Double Hydroxides Intercalated by Salicylic Acid Using Coprecipitation Method and T-Microreactor

Mike Rahayu | *Universitas Gadjah Mada*

Nur Raisah Maddeppungeng | *Universitas Gadjah Mada*

Lutfi Aditya Hasnowo | *Universitas Gadjah Mada*

Sri Juari Santosa | *Universitas Gadjah Mada*

ISCEAS-930

Circular Tubes with a Dent under Cyclic Bending

Kuo-Long Lee | *Far East University*

Wei-Lun Kao | *National Cheng Kung University*

Wen-Fung Pan | *National Cheng Kung University*

ISCEAS-1135

Modeling the Friction Extrusion Process

Hongsheng Zhang | *University of South Carolina*

Xiao Li | *University of South Carolina*

Xiaomin Deng | *University of South Carolina*

Anthony P. Reynolds | *University of South Carolina*

Michael A. Sutton | *University of South Carolina*

ISCEAS-1145

Enhanced Photocatalytic Degradation of P-Cresol Using Polyaniline as a Surface Capping Agent to Degussa P25/ZnO

Thabo J Brooms | *Tshwane University of Technology*

Maurice S Onyango | *Tshwane University of Technology*

Aoyi Ochieng | *Vaal University of Technology*

Henry H Mungondori | *University of Zimbabwe*

Material Science and Engineering

Thursday, May 26, 2016 13:00-14:30 Areca Palace

Session Chair: *Prof. Jin Oh Chung*

ISCEAS-1203

Formation of Transfer Films in NAO Friction Materials Containing Different Abrasive Components

Jin Oh Chung | *Sunchon University*

Sang Ryul Go | *Sunchon University*

Jeong Hee Kim | *Sunchon University*

Hyang Rae Kim | *Frixa Co. Ltd, Sunchon, South Korea*

Hee Bum Choi | *Frixa Co. Ltd, Sunchon, South Korea*

Yong Woo Song | *Frixa Co. Ltd, Sunchon, South Korea*

Soon Sun So | *Korea Polytechnics, South Korea*

ISCEAS-1138

Application of Polypeptide Assisted Synthesis of Gold Nanoparticle for Nanocrystal Memory

Cheng-Yu Lai | *National University of Kaohsiung*

Wei-Kai Su | *National University of Kaohsiung*

Ching-Chich Leu | *National University of Kaohsiung*

ISCEAS-1204

Mechanism and Application of Functional Amine Induced Gold Nanoparticles

Wei-Kai Su | *National University of Kaohsiung*

Ching-Chich Leu | *National University of Kaohsiung*

ISCEAS-1112

Mechanical Properties of Carbon Fiber Reinforced Polymer Composite Fabricated via Additive Manufacturing

Jing Zhang | *Indiana University- Purdue University Indianapolis*

Michael Golub | *Indiana University- Purdue University Indianapolis*

Xingye Guo | *Indiana University- Purdue University Indianapolis*

Hanyin Zhang | *Indiana University- Purdue University Indianapolis*

Weng Hoh Lee | *Indiana University- Purdue University Indianapolis*

Linlin Cai | *Indiana University- Purdue University Indianapolis*

Yi Zhang | *Indiana University- Purdue University Indianapolis*

Linmin Wu | *Indiana University- Purdue University Indianapolis*

ISCEAS-1333

Synthesis and Characterization of Layered Double Hydroxides Intercalated by Citric Acid: Co-Assembly of 2D Nanosheet with Citrate Anion and Its Stability Studies

Nur Raisah Maddeppungeng | *Universitas Gadjah Mada*

Mike Rahayu | *Universitas Gadjah Mada*

Lutfi Aditya Hasnowo | *Universitas Gadjah Mada*

Sri Juari Santosa | *Universitas Gadjah Mada*

Education (2) / Psychology

Thursday, May 26, 2016 14:40-16:10 Areca Palace

Session Chair: *Prof. Joy Kamakamaewailani Rodriguez*

ISSTEP-2116

**Soft-Skills, Curriculum and Instruction for South-East Asian Nursing Colleges:
A Multi-national Educational Collaboration in Medical Communication**

William Michael Richeson | *University of Kentucky*

IBSSS-791

Create an ESL/EFL "Talk and Observations" Journal

Joy Kamakamaewailani Rodriguez | *Beijing Forestry University*

IBSSS-795

Western Philosophy (Dualism) and an Incomplete Scientific Psychology

Brock Kilbourne | *El Camino Psychology Services, PC*

Samantha Kilbourne | *El Camino Psychology Services, PC*

IBSSS-969

**The Effects of Perceived Self-Skill Levels on Product Choice: The Moderating Role of
Mood**

Jie Sun | *Siena College*

ISSTEP-2139

Teacher Turnover in Chinese Higher Education: The Cookie Cutter TEFL Teacher

Robin Dahling | *Renmin University*

Drew Steven Casey | *Renmin University*

ISSTEP-1042

Absenteeism and Education Transformation Among Orang Asli Terengganu

Ramle Ramle Abdullah | *Universiti Sultan Zainal Abidin*

Mohamad Hafis Amat Simin | *Universiti Sultan Zainal Abidin*

Culture / Politics /Law

Thursday, May 26, 2016 16:20-17:30 Areca Palace

Session Chair: *Prof. Jiyeon Kim*

IBSSS-794

China's Ancient and Intimate Relationship with Australia

Lynda Nutter | *Australia-China Friendship Society of Western Australia*

Jill Marie Thompson-White | *Edith Cowan University*

IBSSS-1028

Analyzing Political Memory in Political Communication: Theory and Practice

Zavershinskiy Konstantin F | *Saint-Petersburg State University*

IBSSS-1027

On the Historical Specifics of Transformation of Ideological Values in Post-Communist Russia

Vladimir Gutorov | *Saint-Petersburg State University*

IBSSS-972

Comparative Legal Analysis of Advance Directives in International Perspective

Jiyeon Kim | *King's College London*

IBSSS-1057

Patronizing Semaq Beri Tribes in Economic Development at Sungai Pergam Village, Terengganu

Mohamad Hafis Amat Simin | *Universiti Sultan Zainal Abidin*

Poster Session I

Education / Psychology / Business / Economy

Wednesday, May 25, 2016

08:30-09:30

Foyer Area

ISSTEP-2165

Suicidal Behavior and Depression in Children and Adolescents

Anamaria Ciubara | *University of Medicine and Pharmacy Gr. T. Popa*

Mihail Pirlog | *University of Medicine and Pharmacy Craiova*

Mihai Mutica | *University of Medicine and Pharmacy Craiova*

Bogdan Alexandru Ciubara | *University of Medicine and Pharmacy Gr. T. Popa*

Ilinca Untu | *University of Medicine and Pharmacy Gr. T. Popa*

Roxana Chirita | *University of Medicine and Pharmacy Gr. T. Popa*

ISSTEP-2081

Embryonic Lead Exposures Produced Similar Learning Impairments in Male and Female Zebrafish

Xiaojuan Xu | *Grand Valley State University*

Daniel Weber | *University of Wisconsin-Milwaukee*

ISSTEP-2122

Is the Teaching of Ethics to Undergraduate Psychology Majors Reflected in Psychology Syllabi?

Di You | *Alvernia University*

Ana Ruiz | *Alvernia University*

Judy Warchal | *Alvernia University*

ISSTEP-2121

A Scale to Assess Psychological Manifestations of Emptiness

William E. Kelly | *Robert Morris University*

Don Daughtry | *Texas A&M University-Kingsville*

ISSTEP-2119

Some Predictors of Life Satisfaction among Young Adults

William E. Kelly | *Robert Morris University*

Don Daughtry | *Texas A&M University-Kingsville*

ISSTEP-2124

Prior Knowledge and Scientific Literacy: An Inspection on the Contemporary Knowledge Sources and Effects on Scientific Writing

Simon Wang | *University of Connecticut*

Scott W. Brown | *University of Connecticut*

Marissa Morassini | *University of Connecticut*

Sarah D. Newton | *University of Connecticut*

Shiyu Song | *University of Connecticut*

Addison Zhao | *University of Connecticut*

Kimberly A. Lawless | *University of Illinois at Chicago*

IBSSS-1061

The Effects of Two Types of Information on Online Buyer Preferences

Yingtao Shen | *Austin Peay State University*

Shenyu Li | *Shanghai University of Finance and Economics*

IBSSS-1010

The Transition to Democracy and Its Stability

Chittawan Chanagul | *Kasetsart University*

Poster Session II

Environmental Sciences / Electrical and Electronic

Engineering / Material Science and Engineering / Biomedical

Engineering / Mechanical Engineering / Computer and

Information Sciences

Wednesday, May 25, 2016

09:40-10:40

Foyer Area

ISCEAS-1125

Science Is Not Only for Scientists: Participation of Students of Secondary School in Detection and Study of Contaminants in Waters Surrounding Its Own Schools in Vulnerable Areas

Juan Carlos Muñoz | *Universidad Nacional de Tres de Febrero*

Marcela Sanz | *Universidad Nacional de Tres de Febrero*

Roberto Cassibba | *Universidad Nacional de Tres de Febrero*

Evelina Linardi | *Universidad Nacional de Tres de Febrero*

ISCEAS-1117

H-Infinity and PID Controller Design for Balancing Control on a Mobile Platform

Ying-Jeh Huang | *Yuan Ze University*

Jheng-Run Chen | *Yuan Ze University*

ISCEAS-1335

Thermocouple-Based Distributed Temperature Sensor

Jaehee Park | *Keimyung University*

Michale Jin Park | *University of Texas*

Dohyun Ahn | *Inthetech, South Korea*

ISCEAS-1118

The Role of Cu₂O Dopant on the Kinetic Trapping Parameters of Thermoluminescence Thai Commercial Window Glass

Thanaporn Thumsaard | *Ubon Ratchathani University*

Jintana Laopaiboon | *Ubon Ratchathani University*

Raewat Laopaiboon | *Ubon Ratchathani University*

ISCEAS-1124

Investigation of Strontium Lead Silicate Glass Prepared from Silica Gel Used as Gamma Ray Shielding Materials

Pattaranipa Gunhakoon | *Ubon Ratchathani University*

Raewat Laopaiboon | *Ubon Ratchathani University*

Jintana Laopaiboon | *Ubon Ratchathani University*

Oruethai Jaiboon | *Ubon Ratchathani University*

Somkid Pencharee | *Ubon Ratchathani University*

ISCEAS-1122

Investigation of the Elastic Properties of CRT–K₂O–BaO Glass for Gamma-Ray Shielding Application

Poonnaphob Sopapan | *Ubon Ratchathani University*

Jintana Laopaiboon | *Ubon Ratchathani University*

Oruethai Jaiboon | *Ubon Ratchathani University*

Raewat Laopaiboon | *Ubon Ratchathani University*

ISCEAS-1022

Genome-Wide Mapping and Subtype Classification of Long Non-Coding RNA in Acute Myeloid Leukemia

Rong Chen | *MD Anderson Cancer Center*

Jianping Zhang | *MD Anderson Cancer Center*

Xuelin Huang | *MD Anderson Cancer Center*

John N. Weinstein | *MD Anderson Cancer Center*

Jeffrey J Mollrem | *MD Anderson Cancer Center*

Hagop M Kantarjian | *MD Anderson Cancer Center*

William Plunkett | *MD Anderson Cancer Center*

Xiaoping Su | *MD Anderson Cancer Center*

Jean-Philippe Spano | *University Pierre and Marie Curie*

Gabriel G Malouf | *University Pierre and Marie Curie*

ISCEAS-1327

A Study on the Vibration Reduction in Manufacturing the Deep Groove Holes with the Tool Holders and Sleeves Using Design of Experiment(DOE)

Chae-Sil Kim | *Changwon National University*

Jae-Min Kim | *Changwon National University*

Chang-Min Keum | *Changwon National University*

Min-Jae Shin | *Changwon National University*

ISCEAS-1309

The 3-D Numerical Simulation of a Walking Beam Type Slab Heating Furnace with Regenerative Burners

Jiin-Yuh Jang | *National Cheng-Kung University*

Chien-Nan Lin | *University of Medicine and Pharmacy Craiova*

Sheng-Chih Chang | *National Cheng-Kung University*

Chao-Hua Wang | *China Steel Corporation*

ISCEAS-1109

A Design Problem to Estimate the Optimal Shape and Position for Vortex Generators

Cheng-Hung Huang | *National Cheng Kung University*

Po-Ching Chiang | *National Cheng Kung University*

ISCEAS-1220

The Implementation of a Food Management System for a Traditional Taiwanese outside Restaurant

Hsi-Mei Chen | *Kun Shan University*

Ling-Chin Ko | *Kun Shan University*

ISCEAS-1336

Elimination of Amino-Acids on the Natural Phosphate of Djebel Onk Layer (Algeria) by Adsorption

Bezzi Nacer | *University of Bejaia*