

PROCEEDINGS

ISITE-2019

**2nd Global Conference on Innovative
Strategies in Information Technology and
Engineering Management**

Venue: Hotel Mystays Ochanomizu Conference Center Tokyo, Japan

Tokyo, Japan

Date: April 27-28, 2019



CONFERENCE BOOK OF ABSTRACT PROCEEDINGS

Consortium-ET

Consortium of Engineering & Technology



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Book of Abstracts Proceedings

**2nd Global Conference on Innovative Strategies in Information Technology and
Engineering Management (ISITE-2019)**

Tokyo, Japan
April 27-28, 2019
ISBN: 978-623-6562-86-8

Email: info@consortium-et.com

URL: www.consortium-et.com



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Proceedings of the 2nd Global Conference on Innovative Strategies in Information Technology and Engineering Management (ISITE)

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***2nd Global Conference on Innovative Strategies in
Information Technology and Engineering Management
(ISITE)***

Venue: Hotel Mystays Ochanomizu Conference Center Tokyo, Japan

Conference Theme: An effective platform to meet other renowned
experts in the field of engineering and technology



ADVISORY BOARD

Miss Chonnikarn Luangpituksa

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Mark Swanson

Kwansei Gakuin University, Japan



ORGANIZING COMMITTEE

Michael Sasaoka

Conference Chair

Email: Michael@consortium-et.com

Prof. Robert Jacobs

Conference Supervisor

Email: contact@consortium-et.com

Natthawut Kaewpitoon (Ph.D.)

Conference Cordinator

Email: contact@consortium-et.com



CONFERENCE TRACKS

- Computer and Software Engineering
- Mechanical & Metallurgical Engineering
- Electrical & Electronics Engineering
- Civil Engineering
- Bio-Technology & Food Technology
- Chemistry & Chemical Engineering
- Physical, Applied and Life Sciences
- Interdisciplinary

CONFERENCE CHAIR MESSAGE

Michael Sasaoka

“International Conference of Consortium of Engineering & Technology” is a platform that thrives to support the worldwide scholarly community to analyze the role played by the multidisciplinary innovations for the betterment of human societies. It also encourages academicians, practitioners, scientists, and scholars from various disciplines to come together and share their ideas about how they can make all the disciplines interact in an innovative way and to sort out the way to minimize the effect of challenges faced by the society. All the research work presented in this conference is truly exceptional, promising, and effective. These researches are designed to target the challenges that are faced by various sub-domains of the social sciences and applied sciences.

I would like to thank our honorable scientific and review committee for giving their precious time to the review process covering the papers presented in this conference. I am also highly obliged to the participants for being a part of our efforts to promote knowledge sharing and learning. We as scholars make an integral part of the leading educated class of the society that is responsible for benefitting the society with their knowledge. Let’s get over all sorts of discrimination and take a look at the wider picture. Let’s work together for the welfare of humanity for making the world a harmonious place to live and making it flourish in every aspect. Stay blessed.

Thank you.

Michael Sasaoka

Conference Chair

Email: contact@consortium-et.com



CONFERENCE AGENDA

DATE: April 27-28, 2019

LOCATION: Hotel Mystays Ochanomizu Conference Center

DAY: Saturday-Sunday

EVENT TITLE: 2nd Global Conference on Innovative Strategies in Information ,
Technology and Engineering Management ISITE-2019

Start Time

09:00 am - 09:10 am: Registration & Kit Distribution
09:10 am - 09:20 am: Introduction of Participants
09:20 am - 09:30 am: Inauguration and Opening address
09:30 am - 09:40 am: Grand Networking Session

Tea/Coffee Break (09:40 am -10:00 am)



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Session: 01
10:00 am - 12:30 pm: Presentation Session
Track A: Business, Economics, Social Sciences and Humanities

Presenter Name	Manuscript Title	Paper ID
BSED-APRIL2019-101	The Trend of EU Investment Protection Policy	Hsun (Lydia) Chao
BSED-APRIL2019-105	The Central Role of the Ecological Self in Education for Sustainability: Building a Theoretical Foundation for the Practice of Higher Business Education for Sustainability	Kazutoshi Yoshino
BSED-APRIL2019-106	Applying Integrated learning and Psychological Approaches in Teaching Biology to English as Second Language Science Major Students through Integration of Western Curriculum into Thai Ministry of Education Biology Core Curriculum	Ajchara Aksomboon Vongsawan
BSED-APRIL2019-107	The influence of the Line Social Media Application in Thai Communications	Nualmorakot Taweethong
BSED-APRIL2019-109	Development of Speaking Skills on Literature about Khun Chang Khun Phaen, Episode Khun Chang Tawithika by Using Role-Playing Activities Based on Communicative Language Teaching (CLT) for Grade 12 at the Demonstration School of Suan Sunadha Rajabat University	Bualak Petchngam
BSED-APRIL2019-112	The analysis of user needs in QR code information protection	Kuan-Hsun Lu
TKS-449-101	Reducing Unemployment Through the Co Operative Movement (A Study of Co-Operative Federation of Anambra State) (Cofas)	Ogbuka Ugochukwu Christian
TKS-449-102 A	Critical Analysis of Buddhist Theoretical Perspective about Global Warming Dr. Ven.	Olaganwate Chandasiri
Track B: Engineering, Technology & Applied Sciences		
ISITE-APRIL19-102	A Low Noise Amplifier design for Low Earth Orbit Satellite	Yen-Ting Lu

Lunch Time & Ending Note: (12:30 pm - 01:30 pm)

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Participants Registered As Listener/ Observer

The following Scholars/ practitioners who don't have any paper presentation, however they will attending the conference as delegates & observers.

Official ID: BSED-APRIL2019-102A

Dr. Li-Jiuan Chen-Rabich, LL.M

TamKang University, No. 151 Ying -Zhuan Road, Tamshui Dist., New Taipei City,
251

Official ID: TKM-449-102A

Dr. Wye Yee HERBERT

Pregnancy Advisory Centre The Queen Elizabeth Hospital 21 Belmore Tce,
Woodville Park, South Australia 5011, Australia

CONFERENCE AGENDA

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Conference Day 02 (April 28, 2019)

Second day of conference will be specified for touristy. Relevant expenses are borne by Individual him/herself.



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TRACK A

ENGINEERING, TECHNOLOGY & APPLIED SCIENCES

A Low Noise Amplifier design for Low Earth Orbit Satellite

^{1*}Yen-Ting Lu, ²Jeng-Rern Yang

^{1,2}Electrical Engineering Program B-Yuan Ze University, Taiwan

Corresponding Email: eric406064060640606@gmail.com

Keywords: Low power, CMOS, LEO, low noise amplifier.

This paper presents a low noise amplifier (LNA) for Low Earth Orbit Satellite at 10.7GHz to 12.7GHz in TSMC 0.18 μm CMOS technology. The proposed LNA consists of a three-stage structure. The first stage employs an Inductive degeneration. The Inductive degeneration technique is used to make the noise circle and the gain circle overlap. It can have better noise reduction. The second stage employs a cascade to enhance the power gain. The third stage employs NMOS Enhancement Load technique to match 50 more easily. The simulation result indicated that the circuit exhibited a power gain of 20 dB, and the NF is less than 2.8dB. The power consumption is 35.3 mW at an operation voltage of 1.8V.



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TRACK B

BUSINESS, ECONOMICS, SOCIAL SCIENCES & HUMANITIES



Reducing Unemployment Through The Co Operative Movement (A Study Of Co-Operative Federation Of Anambra State) (Cofas)

*Ogbuka Ugochukwu Christian

Department of Cooperative and Management Institute of Management and
Technology, Enugu, Nigeria

Corresponding Email: Ugochukwuogbuka88@gmail.com

Keywords: Unemployment, Cooperative Societies And Co-Operative Movement

The research work was conducted to examine how unemployment can be reduced through the cooperative movement (A Study of Co-operative Federation of Anambra State), In the course of this investigation, research objective and hypothesis were formulated. Both primary and secondary data were collected, and data were then presented in a tabular form. Based on the above, the findings on the topic are as follows: Staff/employee of the sampled cooperative are averagely qualified for their various jobs and they are given opportunities for further training by the cooperative societies. Employee of the sampled cooperative are averagely paid with some necessary allowances. Co-operative societies absorb about 35% of school leavers yearly. There is a continuous education both to the members and the whole public. The researchers recommendations include these: Government should make it compulsory for every establishment to have its own cooperative. Government should set up more cooperative banks to give loans to individuals and groups that are prospecting to establish cooperative. In conclusion the researcher deemed it necessary that every hand must be on desk to encourage the establishment of cooperative enterprises, since it is now obvious that the only option left for us is to adopt the socio- economic model of mutual self-help.

A Critical Analysis of Buddhist Theoretical Perspective about Global Warming

*Dr. Ven. Olaganwatte Chandasiri

Faculty of Social Sciences and Humanities Rajarata University of Sri Lanka

Corresponding Email: chandrasirihimi@hotmail.com

Keywords: Global Warming, Buddhism, Fundamental Teaching, Craving Life, Seven
Suns

Impermanence of the world is a fundamental teaching of Buddhism. The utmost development of wisdom is evident in the life of The Lord Buddha. This kind of enlightenment is beyond modern science and the logical knowledge. According to Buddhism it is the misbehavior of man that devastates the world. Global warming for example, one of the burning problems that the current world faces is mostly human induced. In relevant to this situation many causes are evident and The Lord Buddha before more than 2500 years ago made it clear in sattasuriuggamana sutta (anguttara nika:ya 4-426) the emergence of seven suns has a direct relationship to global warming. According to Buddhist teaching the internal decline of man with a craving life (Life with thanha(craving)) directly effects on aggravating global warming. Hence, tripitaka is used as the source for this study. For the field survey an environment where people with internal development living with meditation as their daily routine is used and in contrast a different environment where people with internal decline are living is also used to identify the impact of behavior of people on global warming. This study highlights the impact of consuming oriented craving life on global warming and the importance of middle path way of life highlighted in Buddhism to the modern world.

The Central Role of the Ecological Self in Education for Sustainability: Building a Theoretical Foundation for the Practice of Higher Business Education for Sustainability

*Kazutoshi Yoshino

Faculty of Education-University of Manitoba Winnipeg, Canada

Corresponding Email: yoshinok@myumanitoba.ca

Keywords: Education for sustainability, Higher business education, Ecological self

The purpose of this study is to develop a theoretical framework for the ecological self as a base of higher business education for sustainability (HBEfS) and develop a model of practice for HBEfS. My hope is that this theoretical framework for HBEfS is used to develop the capacity of business and management educators to enhance their students capacity to promote sustainability. In this way, this research contributes to the theoretical foundation of higher business education for sustainability that assist learners of business education in transforming their values toward sustainability. In light of environmental virtue ethics, the value of the individual capacity can be acknowledged as an essential foundation for individuals to promote sustainability in their practice (Sandler, 2005). Higher education has a vital role in the development of individuals capabilities and potential for achieving their personal and social goals that are incidental to developing society and nations. However, higher education can be considered a primary factor in an unsustainable future based on the market-oriented values promoted in the learning (Orr, 1991/1996). The contents of higher business education are observed in its emphasis on developing the analytical capacities of individuals but with less focus on internal values of individuals (Arieli, Sagiv & Cohen-Shalen, 2016). Thus, this study aims to reorient the dominating approach to business education that tends to promote those economic and analytical values in learning. The significance of this study is to propose a reorientation of HBEfS in its learning contents and purpose so that it , this study chooses to employ the philosophical ideas of the ecological self integrated into the educational approach to HBEfS. The ecological self has been developed mainly in philosophical arguments (e.g., Drengson & Inoue, 1995; Drengson & Devail, 2008; Drengson & Devail, 2010;), but there has been a limited attempt to develop it through education (Wang, 2016). Therefore, the significance of this study lies in its unique and specific attempt to examine the current educational approaches used by higher business educators for sustainability and in the development of a theoretical framework for such praxis based in the ecological self.



Applying Integrated learning and Psychological Approaches in Teaching Biology to English as Second Language Science Major Students through Integration of Western Curriculum into Thai Ministry of Education Biology Core Curriculum

*Ajchara Aksomboon Vongsawan

Demonstration School of Suan Sunandha rajabhat Suan Sunandha Rajabat University,
Thailand

Corresponding Email: ajchara.vo@ssru.ac.th

Keywords: Western curriculum, Thai government curriculum, English Placement Program, English as a Second Language (ESL), Integrated learning and Psychological

The purpose of this study is to integrate western curriculum into English Placement Programs at high school levels offered in government and private institutions in countries such as Thailand where English is not the primary language. These programs require English as the medium in transferring core subjects (English, Science, Math) and selected requirements such as Social Studies, History, Religion, Art, and Computer to predominately English as Second Language (ESL) students. This challenges educational institutions at the ESL educator level to continually improve techniques and tactics in transferring their specific subjects. In this study, lectures taught from US undergraduate university level biology textbook combined with integrated learning and psychological approaches fulfilling the core standard required by Thailand's Ministry of Education to study three consecutive years of biology at high school level for science major students from grades 10 to 12. This study was performed at the Demonstration School of Rajabhat Suan Sunandha University with the intent of building a strong biology foundation in English and inspiring students preparing for university level studies. Observed results from two progressive years from 2017-2018 academic year exhibited students proficiency to understand the biology content taught in English through students class performance in class interaction and discussion, online research on performing laboratory experiment and write preliminary scientific reports prior to instructors teaching of experiment procedures and before entering laboratory to perform experiments, assignments in mind mapping format, PowerPoint presentation in groups, and outlines or mind mapping format of extra credit assignments of topics covered in exams. .

The influence of the Line Social Media Application in Thai Communications

*Nualmorakot Taweethong

Demonstration School of Suan Sunandha Rajabhat University Bangkok, Thailand

Corresponding Email: nualmorakot.ta@ssru.ac.th

Keywords: Mobile Application, Online Communication, Online Business In Thailand

The purpose of this research is to present the influence of the social media application Line within Thailand, which is an application created for communication and social networking by the Japanese Line Company, a subsidiary of Korean Naver Corporation. Line has exerted a disproportionate influence on communications in Thailand since 2012, with an exponentially increasing user base that has placed Line as the second most positively mentioned brand within Thailand as reported by YouGovs Brand Index. Line Thailand is the second largest subsidiary and lucrative market for the Line application after Japan, with over 33 million users, a penetration rate of 83% of mobile users within the country. Thai Line users also display divergent behaviour from users in other markets, spending 84 minutes per day on average using the app and receiving 52% more messages, 114% more pictures, 85% more videos and 52% more stickers per day that users in other markets, reflecting the unique usage of the application within Thailand. In addition to personal use, both the public and price sectors of Thailand have embraced the Line application and use it to facilitate their productivity. Further, as line expands into further digital medias and facilitating payments Line will increasingly permeating even more facets of Thai life. This paper aims to examine the divergent behaviour of Thai Line users compared to other global markets, as well as examining related consumer law that governs the Line platform. The research will consist of qualitative primary research aimed at understanding how and why Line has dominated the Thai social media ecosystem by interviewing users, entrepreneurs and other stakeholders. This research has found that many features of the line application such as stickers, text-to-speech functions, large group chats, integration of payment platforms and user-generated content have especially appealed to Thai consumers and their social and expressive needs and social dynamics compared to other platforms.



**Development of Speaking Skills on Literature about Khun Chang
Khun Phaen, Episode Khun Chang Tawithika by Using
Role-Playing Activities Based on Communicative Language
Teaching (CLT) for Grade 12 at the Demonstration School of Suan
Sunadha Rajabat University**

*Bualak Petchngam

Demonstration School of Suan Sunandha Rajabhat Univeristy, Dusit, Bangkok 10300
Thailand

Corresponding Email: beaurak.na@ssru.ac.th

Keywords: Development Of Speaking Skills Using Role Playing Activities Based On Communicative Language Teaching

The purposes of this study was to compare pre-and post- test skills achievement of speaking from the literature Khun Chang Khun Phaen, Episode Khun Chang Tawithika before and after using role-playing activities based on Communicative Language Teaching (CLT). The samples consisted of 24 twelfth grade students from the second semester of the academic year 2018 at the Demonstration School of Suansunadha Rajabat University. The researcher prepared the lesson plans by using role playing activities based on Communicative Language Teaching (CLT) and the pre and post achievement of speaking skills tested at the end of the program. Data analyses were carried out using percentage, means and average score difference for comparison pre-and post-test. The study showed that the post-achievement of speaking skills was higher than before learning through using role-playing activities show that language teaching for communication was effective in helping students have higher speaking skill achievement.



The Analysis of User Needs in QR Code Information Protection

*Kuan-Hsun Lu

Dept. of Information Communication Yuan Ze University Taiwan

Corresponding Email: s1046426@saturn.yzu.edu.tw

Keywords: QR Code, Commercial Marketing, Mobile Payment, Information Security, Risk Perception

On the market, QR codes are being used to transfer information. In order to protect the important information, currently, the common technique is to use traditional encryption and decryption methods with keys to make QR codes be encrypted. However, traditional encrypt and decrypt techniques are not suitable for protecting information on QR codes, because those QR codes usually been read as encrypted garbled or low-computation mode and become security concerns. In view of the increasing popularity of barcode applications and mobile payments, this study explores the concerns of users about the needs of information protection and perceptions of risk when using QR codes. This study integrates related QR code technologies and emerging technologies with risk perception related theories, use simulation scenarios to design questionnaires to understand user usage requirements. Through data analysis, we can understand the user's demand for QR code in information protection technology, perform factor analysis to obtain risk cognition, security concerns and needs assessment, and conduct a three-factor correlation analysis on user characteristics and usage.

UP COMING EVENTS

You can find the details regarding our upcoming events by following below:

<http://consortium-et.com/upcoming-events/>



MISSION

*To disseminate knowledge and help scholars,
practitioners and administrators to promote
the high quality research.*

