

PROCEEDINGS

PEAS-2021

**4th Global Conference on Changing
Paradigm in Engineering and
Applied Sciences Research**

Venue: Hotel MyStays Shin-Osaka Conference Center

Osaka, Japan

Date: May 29-30, 2021



CONFERENCE BOOK OF ABSTRACT PROCEEDINGS

Consortium-ET

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Book of Abstracts Proceedings

**11th Global Conference on Changing Paradigm in Engineering and Applied Sciences
Research (PEAS-2021)**

Osaka, Japan
May 29-30, 2021
ISBN: 978-623-6522-87-4

Email: info@consortium-et.com

URL: www.consortium-et.com



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Proceedings of the 4th Global Conference on Changing Paradigm in Engineering and Applied Sciences Research

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***4th Global Conference on Changing Paradigm in
Engineering and Applied Sciences Research (PEAS-2021)***

Venue: Hotel MyStays Shin-Osaka Conference Center, Japan

Conference Theme: Provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Engineering and Technology.



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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: May 29-30, 2021

LOCATION: Hotel MyStays Shin-Osaka Conference Center

DAY: Saturday-Sunday

EVENT TITLE: 4th Global Conference on Changing Paradigm in Engineering
and Applied Sciences Research

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)



CONFERENCE AGENDA

DATE: May 29-30, 2021

LOCATION: Hotel MyStays Shin-Osaka Conference Center

DAY: Saturday-Sunday

EVENT TITLE: 4th Global Conference on Changing Paradigm in Engineering
and Applied Sciences Research

Session: 01

10:00 am - 11:30 am: Presentation Session

Track A: Business, Economics, Social Sciences and Humanities

Paper ID	Manuscript Title	Presenter Name
CRSMA-May2019-110	Following Up the Result of Training Curriculum of Using English in Classroom of English Teacher in Primary School	Wanee Niamhom
CRSMA-May2019-111	Guidelines to the Development of Gastronomy tourism in Thailand	Sedtawat Prommasit
Track B: Engineering, Technology & Applied Sciences		
PEAS-MAY21-101	Evaluation of a Non-linguistic Tourism Information System in the Haneda and Narita Area	Shinya ABE
Track C: Medical Medicine and Health Study		
TKM-4119-101	In Investigation of Rapid Office Strain Assessment Among Office Workers in Furniture Factory, Pathum Thani Province, Thailand	Patcharakamon Klunbut

Lunch Break & Ending Note: (11:30 am - 12:30 pm)

CONFERENCE AGENDA

DATE: May 29-30, 2021

LOCATION: Hotel MyStays Shin-Osaka Conference Center

DAY: Saturday-Sunday

EVENT TITLE: 4th Global Conference on Changing Paradigm in Engineering
and Applied Sciences Research

Conference Day 02 (May 30, 2021)

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



*4th Global Conference on Changing Paradigm in Engineering
and Applied Sciences Research (PEAS-2021) Osaka, Japan*
ISBN: 978-623-6562-87-8

TRACK A

***BUSINESS, ECONOMICS, SOCIAL SCIENCES AND
HUMANITIES***

Following Up the Result of Training Curriculum of Using English in Classroom of English Teacher in Primary School

*Wanee Niamhom

Lecturer in Department of Human and Community Resource Development, Faculty of
Education and Development Sciences, Kasetsart University, Thailand

Keywords: Training Program Evaluation, Classroom Language, English Teacher in
Primary Level, English Teacher Development Curriculum

This study has the purpose to follow up the result of training curriculum in using English in classroom of English Teacher in primary school, Nakorn Pathom, Thailand, in four aspects: school context, way and level of leading knowledge perceived from training application, problems and obstacles in leading knowledge from the training application, and recommendations for further training course arrangement. The employed population in this research was the twenty-eight English teachers in primary level schools, Nakorn Pathom, who participated in course training of using English in classroom. The tools applied in this research were interview, and questionnaire. The methodologies of data collection were collected by the travel to interview teachers of the schools performance. The data analysis by statistical methodologies were frequencies, percentage, mean, standard deviation and content analysis. The research results were found: firstly, the school context was found that the school had organized English teaching into two models, teaching English by following curriculum of the Educational Ministry and passing by long distance learning through satellite, it was due to, mostly less of English teachers, so the class teachers had to teach English subject, which they didnt graduate major in English, but concentration on primary level, though they could teach all subjects, but they were not accurate in subject matter of using English in classroom, they were not dare to speak English in classroom, mistaking in speaking, but after the passed training, they were courage and confident more in using English in classroom, and had the positive attitude of using English that it was not so difficult in using English in classroom anymore; secondly, the way and level of leading knowledge perceived from training application. The participated teachers teaching English course in classroom had brought knowledge in various ways by instructing in classroom at the most, and teachers who passed training and leading knowledge from the training application in overall view was high level; thirdly, the problems and obstacles in leading knowledge from training application in classroom, were found that there were problem on teachers aspect that they had a lot of works, so they had less time to prepare lesson



plan, phrases, sentences to use in classroom, and also on students problem, they had less English basic knowledge, especially, vocabulary, shying to speak English, hesitating to converse with teachers, teachers had to use English together with Thai, and using body language while teaching English to increase students perception more; and lastly, recommendations for next curriculum training are to increase more time for training, arranging training in other topics, concerning vocabulary about the things in classroom and activities accompanying with English usage - such as, musical activities and games.

Guidelines to the Development of Gastronomy tourism in Thailand

*Sedtawat Prommasit

Faculty of Business Administration For Society Srinakharinwirot University, Thailand

Keywords: Gastronomy Tourism, Thai Food for Tourism, Street food

This research aims to analyze the capability of gastronomy tourism in Thailand and present the guidelines to the development of gastronomy tourism in Thailand. This qualitative research with in-depth interview and documentary research. The instrument of research was semi-structural interview questions and check list form. The key informants of 25 stakeholders in gastronomy tourism. Later, the information obtained was broken down for content analysis. This research found that the gastronomy is very popular among tourists. The factors that trigger gastronomy are "Push and Pull Factors", where tourists travel to search for new unique type of food for their experience. The development of gastronomy in Thailand should focus on communication in foreign languages, especially English. The government and gastronomy business operators should cooperate well with each other to improve the quality of food and services. Thailand is a country with a unique food culture and variety of tastes in different area throughout the country. This could lead to the development of community and preserves the culture of food. Furthermore, it can bring great amount of income to them.



*4th Global Conference on Changing Paradigm in Engineering
and Applied Sciences Research (PEAS-2021) Osaka, Japan*
ISBN: 978-623-6562-87-8

TRACK B

ENGINEERING, TECHNOLOGY & APPLIED SCIENCES

Evaluation of a Non-linguistic Tourism Information System in the Haneda and Narita Area

¹*Shinya ABE,²Kayoko YAMAMOTO

¹Tokyo Metropolitan Industrial Technology Research Institute, Japan,²Graduate School
of Informatics and Engineering, The University of Electro-Communications, Japan

Keywords:Non-linguistic information, Tourism information system, User interface,
Response performance

Despite continuing efforts to translate information systems as part of preparations for hosting foreign visitors in Japan, the language barrier cannot be completely overcome by translation alone because it is not possible to convey important information in a sufficient number of languages. To address this issue, we developed a system that provides only non-linguistic tourism information. The defining characteristic of our system is its user interface comprising only public information symbols, images, and Arabic numerals. In this paper, we discuss field tests conducted to evaluate the system in the Haneda and Narita area and demonstrate that the systems response performance is sufficient for practical use.



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and Applied Sciences Research (PEAS-2021) Osaka, Japan*
ISBN: 978-623-6562-87-8

TRACK C

MEDICAL MEDICINE AND HEALTH STUDY

An Investigation of Rapid Office Strain Assessment Among Office Workers in Furniture Factory, Pathum Thani Province, Thailand

^{1*}Patcharakamon Klunbut, ²Watcharaporn Wongsakoonkan

^{1,2}Department of Occupational Health and Safety, Faculty of Science, Valaya Rajabhat University

Keywords: Rapid office strain assessment, Musculoskeletal Disorders, Office worker, Furniture Industry

This cross-sectional study was conducted with the purpose to assess the ergonomic risks among office workers in furniture factory, Pathum thani Province, Thailand. A self-questionnaire was used to determined personal and work information. Ergonomic risks assessment was done by using rapid office strain assessment (ROSA) checklist. A total number of 71 office workers was participated in this study. Data analysed by statistical package for social science software (SPSS). The result showed that most of office workers were female (56.30%) with approximately 40.13 years old. More than half of them (57.70%) graduated from bachelor degree. Most of them (35.20%) had Body Mass Index (BMI) at normal range. Half of them (59.20%) had no disease. Half of them (50.70%) usually do exercise. Most of them working as supervisor (32.40%) and 63.40 of them had work experience less than 20 years with approximately 12.90 years. Nearly all of them (77.50%) had work duration of 8 hours each day and All of them continuous work with computer more than 4 hours a day. According to ROSA analysis, It revealed that the ergonomics risks among office workers was at high level in the majority of them (38.03 %), followed by medium level, very high level and lower level were 32.39 %, 25.35 % and 4.23 %, respectively. Based on the study results, To reduce the risk of ergonomics, there should be ergonomics training for office workers to be aware of ergonomics risks in the their office and workstation need to be improved in term of ergonomics guideline

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.*

