PROCEEDINGS

SECIT-2019

2nd International Conference On Innovative Practices in Science Engineering Computer and Information Technology

Venue: Hotel Mystays Ochanomizu Conference Center

Tokyo, Japan

Date: August 24-25, 2019

CET

Consortium of Engineering & Technology

CONFERENCE BOOK OF ABSTRACT PROCEEDINGS

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2nd International Conference on Innovative Practices in Science Engineering, Computer and Information Technology (SECIT-2019)

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Proceedings of the 2nd International Conference on Innovative Practices in Science Engineering, Computer and Information Technology

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2nd International Conference on Innovative Practices in Science Engineering, Computer and Information Technology (SECIT-2019)

Venue: Hotel Mystays Ochanomizu 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: August 24-25, 2019
LOCATION: Hotel Mystays Ochanomizu Conference Center
DAY: Saturday-Sunday
EVENT TITLE: 2nd International Conference on Innovative Practices in Science Engineering
Computer and Information Technology (SECIT-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 - 12:00 pm: Presentation Session
Track A: Engineering, Technology & Applied Sciences

Paper ID	Manuscript Title	Presenter Name
SECIT-AUG19-103	Confidence Intervals for the Common Signal-to-Noise Ratio of Two Parameter Exponential Distributions	Suparat Niwitpong
SECIT-AUG19-104	Confidence Intervals for the Difference of Signal-to-Noise Ratios of Two Parameter Exponential Distributions	Sa-Aat Niwitpong
SECIT-AUG19-105	Antibacterial Activity of Medicinal Plant Extract and Their Marker Compounds	Sumonthip KongtunJunphuk
Track B: Medical Medicine & Health Study		
TKM-489-102	Proprioception and Developmental Motor Training: A New Treatment For Stroke Patients	Dr. Alberto Friedmann, Ph.D

Lunch Break & Ending Note: (12:00 pm - 01:00 pm)

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Conference Day 02 (August 25, 2019)

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

TRACK A

ENGINEERING, TECHNOLOGY & APPLIED SCIENCES

Confidence Intervals for the Common Signal-to-Noise Ratio of Two-Parameter Exponential Distributions

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Keywords: Signal-To-Noise Ratio, Simulation, Two-Parameter Exponential Population, Coverage Probability, Average Length

The signal noise to ratio (SNR) is the reciprocal of the coefficient of variation. It is defined as a ratio of the mean to the standard deviation. The SNR is used in many area such as science and engineering that compares the level of a desired signal to the level of background noise. In practice, we consider to measure the SNR for many times or in many different laboratories such as several measuring instruments are utilized to measure the products produced by the same production process to estimate the average quality and different laboratories are employed to measure the amount of toxic waste in a river. If the samples collected by independent studies are from two parameter exponential populations, then the problem of interest may be to construct a confidence interval for the common SNR of these populations. In this paper, we proposed three approaches to construct the confidence interval for the common SNR of two parameter exponential distribution: generalized confidence interval (GCI) approach, the large sample approach, and the method of variance estimates recovery (MOVER) approach. The coverage probability and average length are two criteria to evaluate confidence intervals. Simulation results show that the GCI approach is preferable than other approaches. Finally, a real medical data set is illustrated our approaches.

Antibacterial Activity of Medicinal Plant Extract and Their Marker Compounds

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Keywords: Medicinal Plant Extract, Antibacterial Activity , -Mangostin , Eugenol

The antibacterial activity of three medicinal plants (Phyllanthus emblica, Garcinia mangostana, and Syzygium aromaticum), two Thai traditional medicine (Trikatuk and Chatuplatika), and their marker compounds were studied. Trikatuk consisted of 3 medicinal plants which were Zingiber officinale, Piper nigrum and Piper longum, and Chatuplatika consisted of 4 medicinal plants which were Phyllanthus emblica, Terminalia chebula, Terminalia bellirica (Geartn.)Roxb. and Terminalia arjuna. The marker compounds in this study were gallic acid for Phyllanthus emblica extract and Chatuplatika, alpha-mangostin for Garcinia mangostana extract, piperine for Trikatuk, and high-concentration of eugenol in clove bud oil for Syzygium aromaticum extract. Anti-bacterial activity of all samples were tested against seven bacteria such as Escherichia coli, Salmonella typhimurium, Pseudomonas aeruginosa, Staphylococcus aureus, Staphylo-coccus epidermidis, Bacillus subtilis and Propionibacterium acnes. The results showed that the antibacterial activities of Garcinia mangostana peel extract, Syzygium aromaticum was impressed inhibitory values and can be useful for product development.

TRACK B

MEDICAL, MEDICINES & HEALTH SCIENCES

Proprioception and Developmental Motor Training: A New Treatment For Stroke Patients

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Royal Society of Medicine Overseas Fellow, Assistant Professor of Exercise Science,
Indiana State University, Terre Haute, IN, USA
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Keywords: FSH Receptor Binding Inhibitor, Ovarian Cancer, K-Ras, C-Myc, Protein Expression, Signal Pathway.

This presentation focusses on a novel approach to the acute and chronic care of stroke patients, particularly those in need of chronic care post insult. The approach uses developmental learning techniques and proprioception-building exercises to reintegrate brain hemispheres with each other and the body.

UP COMING EVENTS

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

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

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MISSION

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