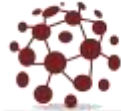


ICSET



IFERP
connecting engineers...developing research

**International Conference on
Science, Engineering & Technology
(ICSET-2021)
28th - 29th January 2021
Singapore**

CONFERENCE REPORT

Organized By

**Institute For Engineering Research and
Publication**



International Conference on Science, Engineering & Technology (ICSET-2021)
28th - 29th January 2021
Singapore
Conference Report

About the conference:

The International Conference on Science, Engineering & Technology (ICSET-2021), which is scheduled to take place on the 28th and 29th of January 2021 in the stunning city of Singapore will offer researchers, delegates, and scholars an incredible chance to interact with each other and share their experience and knowledge of technology application.

ICSET-2021 in Singapore will serve as an excellent international conference for intelligence sharing. The goal of the conference is to provide a stage for researchers and practitioners from academia and business to deal with state-of-the-art advancement in their respective fields. An inventor is a communications professional, involved with applying objective knowledge, science and resourcefulness to generate resolutions for technical, cultural and enterprise problems. Therefore, the ideal designer is a composite and must operate at the interface between art and culture.

OVERVIEW OF CONFERENCE:

Conference Name	International Conference on Science, Engineering & Technology (ICSET-2021)
Date	28 th and 29 th Januray 2021
Mode/Place	Virtual/ Singapore
No of OCM's	72
Total No of Papers	76
Total No of Registrations	35
Total No of Presentations	35
Key note Speakers	02
Guest of Honor	01
Best Presentation Awards	01
Youtube Conference Link	https://www.youtube.com/watch?v=tajlfTyPu84

Organizing Committee Members:

ICSET-2021 back boned the strong team of 72 Organizing committee members.

Organized By
Institute For Engineering Research and Publication
www.iferp.in

from various parts of world with special qualities both in academics and industrial exposure.

International Advisory Committee	Total
Malaysia	17
Indonesia	8
Philippines	6
India	6
Vietnam	3
Nepal	3
United Kingdom (UK)	3
Bhutan	2
Pakistan	2
Italy	1
South Korea	1
Saudi arabia	1
Bangladesh	1
Turkey	1
United States	1
Taiwan	1
IRAQ	1
National Advisory Committee (Host Country)	
Singapore (Host Country)	14

Total No of OCM'S

72

ORGANIZING COMMITTEE MEMBERS

International Conference on Science, Engineering & Technology (ICSET-2021) – Singapore
28th & 29th January 2021

Lead Name	Designation	College/Universities Name	Country
MARMELO V. ABANTE	Vice President / Dean	PSITE National / Dean Graduate School, World Citi College	Philippines
Dr. Tien Anh Tran	Lecturer	Vietnam Maritime University	Vietnam
Dr. Felix Ling Ngee Leh	Associate Professor	(University Tun Hussein Onn Malaysia (UTHM))	Malaysia
Prof. Subarna Shakya	Professor	Tribhuvan University, Nepal	Nepal
Hemlal Bhattarai	Dean	Royal University of Bhutan	Bhutan
HLA MYO TUN	Professor and Head	Universiti Teknologi Malaysia	Malaysia
Dr. Ramesh T Subramaniam	Professor	University of Malaya	Malaysia
Prof Alex Khang	Professor		VietNam
Dr. S. Gajendraraj	Dean	Bharath Institute of Higher Education & Research	India
Dr Mohammad Nazri Bin Mohd Jaafar	Professor	Universiti Teknologi Malaysia,	Malaysia
Dr. Eng. Neyara Radwan	Professor	King Abdulaziz University,	Suadi Arabia.
Dr. Hamidi Abdul Aziz	Professor	Universiti Sains Malaysia	Malaysia
Dr. Mohamed A. Alrshah	Senior Lecturer	Universiti Putra Malaysia	Malaysia
Praches Acharya	HOD	Lalitpur Engineering College	Nepal
Dr. Rathimala Kannan	Senior Lecturer	Multimedia University	Malaysia
Dr. Sathish Kumar Selvaperumal	Senior Lecturer	Asia Pacific University of Technology and Innovation	Malaysia
Dr. SABRINA TIUN	Senior Lecturer	Universiti Kebangsaan Malaysia	Malaysia
Dr Hossein Olya	Director	The University of Sheffield,	United Kingdom
Dr. Ronaldo A. Juanatas	Vice President		Philippines
Dr. Chuah Joon Huang	Faculty of Engineering	University of Malaya	Malaysia
YULIA, M.KOM	Vice Dean	Petra Christian University	Indonesia
NGUYEN THIEN BAO	Faculty of Information Technology	Researcher, FBK - Fondazione Bruno Kessler	Italy
Dr. Agung Kristanto	Assistant Professor	Ahmad Dahlan University Yogyakarta.	Indonesia
Dr. Awad Khireldin	Associate Professor	Singapore Information Technology (SIT)	Singapore

International Conference on Science, Engineering & Technology (ICSET-2021) – Singapore
28th & 29th January 2021

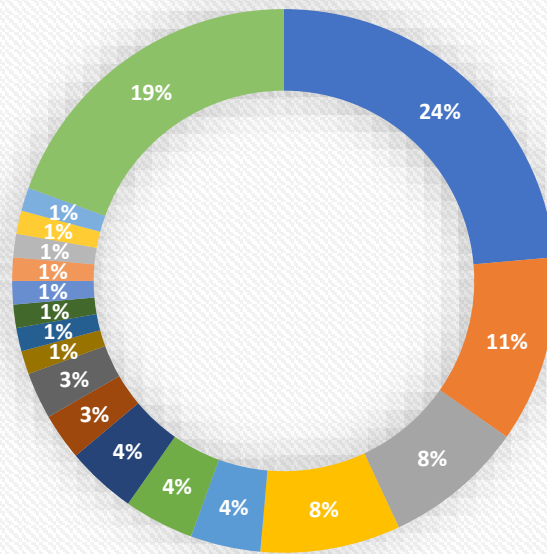
Nguyen Ha Duong	Vice Dean	National University of Civil Engineering (NUCE)	Vietnam
Dr. Noor Afiza Mohd Ariffin	Senior Lecturer	Universiti Putra Malaysia	Malaysia
Prof. Jalil Piran	Electronics and Information Engineering	Sejong University	South Korea
Asmalina Mohamed Saat	Sr Lecturer	Universiti Kuala Lumpur, Malaysian Institute of Marine Engineering Technology (UniKL MIMET),	Malaysia
Hamidah Ibrahim	Professor	Universiti Putra Malaysia	Malaysia
AbdulRahman Ahmed Al-Sewari	Senior Lecturer	Universiti Malaysia Pahang	Malaysia
Evangeline P. Bautista	Dean	Ateneo de Manila University	Philippines
Dr Ahmad Zuhairi Abdullah	Professor	Universiti Sains Malaysia	Malaysia
Dr.Sangita Babu	Head of Computer Science Department	King Khalid University	Saudi arabia
DR. MUHAMAD RAZUHANAFI BIN MAT YAZID	Senior Lecturer	Universiti Kebangsaan Malaysia	Malaysia
Prof. Engr. Dr. Sheeraz Ahmed	Director ORIC,	Iqra National University, Peshawar, Pakistan	Pakistan
Md. Kamrujjaman	Associate Professor	University of Dhaka	Bangladesh
Prof. Dr. Osman ADIGUZEL	Department of Physics	Firat University	Turkey
MICHELLE C. ALMENDRAL	School of Chemical, Biological and Materials Engineering and Sciences	Mapua University, Manila,	Philippines
Dr. Alireza Heidari	Faculty of Chemistry	California South University	United States
Dr. Maamar Taleb	Assistant Professor	University of Bahrain	Bahrain
DR IMRAN ANSARI	Lecture	University of Glasgow	United Kingdom
Dr. Ahmed A. Elngar	Assistant Professor	Beni-Suef University	United Kingdom
DR WESAM ALALOUL	SENIOR LECTURER	University Technology PETRONAS	Malaysia
Dr. SHIN TO AMIRI	lecturer	MAHSA University	Malaysia

International Conference on Science, Engineering & Technology (ICSET-2021) – Singapore
28th & 29th January 2021

M Chairul Basrun Umanailo	Assistant Professor	University of Iqra Buru	Indonesia
DR. MOHD IZHAR A. BAKAR	Associate Professor	Universiti Kuala Lumpur British Malaysian Institute	Malaysia
Bayu Waspodo	Lecturer	Universitas Islam Negeri Syarif Hidayatullah Jakarta	Indonesia
Dr. Anis Salwa Mohd Khairuddin	Senior Lecturer	University of Malaya	Malaysia
Dr MGH ZAIDI	Professor and Head, Department	:G.B.Pant University of Agriculture & technology Pantnagar India	India
Dr Pariza Kamboj	Professor	Sarvajanik College of Engineering and Technolog	India
Prof.(Dr.)Manoj Srivastava	Professor	Hospitality Management	Linkedin
Dr. Ren-Jye Dzung	Professor	National Chiao-Tung University	Taiwan
Indar Sugiarto	Associate Professor	Petra Christian University	Indonesia
Dr. Efri Sandi, MT	Professor	Universitas Negeri Jakarta	Indonesia
Bhavika Thakkar	Instructor	InfoComm Technology Cluster	Singapore
Saurabh Srivastava	(Sr. Post-Doctoral Associate)	-MIT Alliance for Research & Technology (SMART),	Singapore
Dr Wei Min Huang	Associate Professor	Nanyang Technological University	Singapore
Chuadhry Mujeeb Ahmed	Research Fellow	Singapore University of Technology and Design	Singapore
Dr Frank Guan	Assistant Professor	InfoComm Technology Cluster	Singapore
Hung Dinh Nguyen	Professor	Nanyang Technological University	Singapore
Yar Kar Peo	Associate Professor	Singapore Institute of Technology	Singapore
Dr Eileen Rose Quilon	Instructor	University of Northern Philippines	Philippines
Tanti Octavia	Head	Petra Christian University	Indonesia
Mr Andreas Handoyo	Associate Professor	Petra Christian University	Indonesia
Dr DURATUL AIN THOLIBON	Lecturer	Universiti Teknologi MARA	Malaysia
Dr Masyitah Md Nujid		Universiti Teknologi MARA	Malaysia
Prof.Dr.Eng. Ahmed Kadhim Hussein	Full Professor	Babylon University	IRAQ
Dr. BALAKRISHNAN. S			India

Dr Ipseeta Nanda	Associate Professor	:K L Deemed to be University	India
------------------	---------------------	------------------------------	-------

OCM Recived Based on Country



- | | | | |
|--------------|-------------|-----------------------|----------------|
| ■ Malaysia | ■ Indonesia | ■ Philippines | ■ India |
| ■ Vietnam | ■ Nepal | ■ United Kingdom (UK) | ■ Bhutan |
| ■ Pakistan | ■ Italy | ■ South Korea | ■ Saudi Arabia |
| ■ Bangladesh | ■ Turkey | ■ United States | ■ Taiwan |
| ■ IRAQ | ■ Singapore | | |

KEYNOTE SPEAKERS



Dr. Rolando R. Lansigan

Vice President, Internal Affairs

*Philippine Society of Information Technology Educators - PSITE
Philippines.*

Biography:

Doc Rolly, is an Data Privacy advocate and most-sought after Data Protection speaker and resource professional. He was the former Chief of Compliance and Monitoring Division of the National Privacy Commission from 2016-2018. After his academe and government service, he pursued his private practice as a Data Privacy Consultant, Speaker, and Educator from 2018 to present. He also serves as a Member of Advisory Council for the Philippine National Police - Anti Cybercrime Group (PNP-ACG) and the Philippine National Police – Information Technology Management Services (PNP-ITMS). Before he joined the government service, he served as the Dean of the College of Computer Studies and served as the man behind the program Bachelor of Science in Computer Science with Specialization in Digital Forensic, the first field of specialization in the Philippines and in the South East Asian region. Despite his busy schedule he still serves as PACUCOA Accreditor for ITE Programs Regional Quality Assessment Team Member of CHED-NCR and Region IV for ITE and a PQA Assessor. In addition to that, he is the current Vice President for External Affairs of the Philippine Society of IT Educators, the biggest IT educators association in the Philippines. Because of his skills and expertise in the processing of safeguarding important information from corruption and-or loss (data protection) he used to be connected in the newly created National Privacy Commission as the Chief Compliance and Monitoring Division in charge of monitoring the compliance of all organizations (private companies and government agencies) as mandated by Republic Act 10173, otherwise known as the Data Privacy Act of 2012 and also an official Ambassador of the GDPR or the General Data Protection Regulation which is based in Europe.



Dr. Lampong Klomkul

*Director for Research, Information and Academic Services Division, ASEAN Studies Centre,
Mahachulalongkornrajavidyalaya University,
Thailand.*

Biography:

Dr. Lampong Klomkul is a lecturer from the Faculty of Education, Mahachulalongkornrajavidyalaya University. She Graduated in Doctor of Philosophy Ph.D. in Educational Research Methodology, Faculty of Education, Chulalongkorn University, Thailand. She received an award from National Research Council of Thailand: The best dissertation of year 2013 at Good Level (Education Field), received Graduate Scholar Award from The Nineteenth International Conference on Learning, The Institute of Education University of London, UK, August 14-16, 2012. She also received a Golden Jubilee Scholarship to study in Canada for two years in bachelor's degree from 1997-1999. She is interested in conducting research in Education and ASEAN Studies. She has attended many international conferences and published articles in various international journals.

SESSION CHAIR:



Dr. Singam Jayanthu

Professor.

*Mining Engineering Department,
National Institute of Technology, Rourkela, India.*

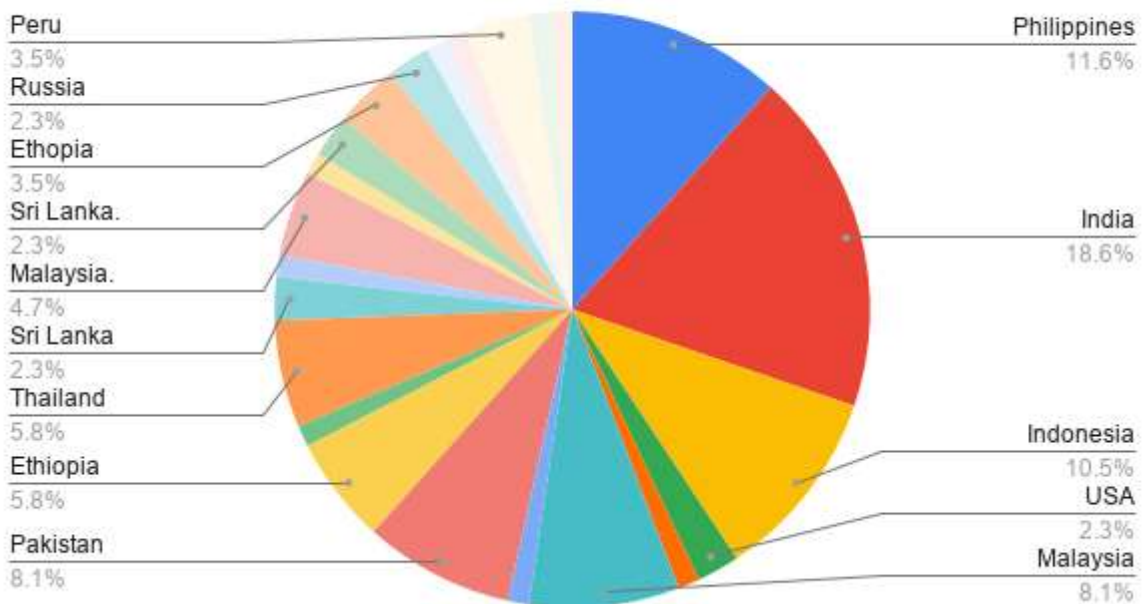
Biography:

Prof Singam Jayanthu, completed BE (Mining Engineering) from Kothagudem School of Mines-Osmania University with first rank in 1986. He worked as a ventilation officer and in-charge of machine mining districts of coal mines (Singareni Collieries Company Limited) for a couple of years before taking up M. Tech (Mine Planning & Design), from Banaras Hindu University in 1990. Dr Jayanthu worked as a scientist since 1989 in premier research institutes of India (Central Mining Research Institute-Dhanbad, and National Institute of Rock mechanics-Kolar Gold Fields). He was awarded master's degree in counselling & Psychotherapy from Kuvempu University in 2006. He was conferred with National Mineral Award in 2000 for his distinguished contributions in the field of mining technology in India. Being holder of Mine Managers certificate of competency, he presented on issues of mining techniques and transdisciplinary research and innovations during 1998 –2019, in various international seminars/conferences including research and academic institutions. He has completed about 100 R&D Projects sponsored by Various Ministries of Govt of India, and Consultancy projects sponsored by various coal and metal mines of India and authored over 250 technical papers published in various national/international journals and Proceedings of conferences/seminars. Conducted and actively Participated in many national/International webinars during the COVID19 pandemic period emphasizing the urgent need of Transdisciplinary Translational Industry Oriented Research and Academics for Mining Industries.

At present Dr Singam is working as Professor in Mining Engineering Department of National Institute of Technology, Rourkela. He is member of Technical Committee Environmental

Appraisal for Mining Industries of Orissa State Pollution Control Board since 2007. He was Principal Consulting Editor during 2007-2011- and Chief Editor since January 2012 of Indian Mining and Engineering Journal and being Fellow of IE(I), he also extended his services as Honorary Secretary of The Institution of Engineers (India), Rourkela Local Centre, and co-opted Council member, Mining Division Board of IEI. Worked as Head of the Dept of mining Engg of NIT-Rourkela for three years during 2007-2010. At present he is conducting research on applications of trans-disciplinary areas including EE, ECE, CSE, EIE to mining industry such as Power Quality improvement, Wireless Sensor Networks, LoRa with IoT, Soft Computing techniques, TDR etc for improving safety in the mines & also Associated with four patents that has been provisionally filed

Papers Received based on the Country



PAPERS PRESENTED

1. Power Capacity Assessment of Hybrid Diesel-Solar Photovoltaic Microgrid of Tablas Island, Romblon

Junrey Garcia

2. Research-Based Learning applied in of first semester courses of engineering programs (preliminary study)

C. J. Diliegros-Godines

3. The Moderating Role of Intellectual Capital on the Long-Run nexus of Information Security Breaches and Firms Market Value: A Conceptual Framework

Syed Emad Azhar Ali

4. Factors Influence The Use Of Social Media For Environmental Sustainability Awareness In HEI

Abeer Abdullah Abdulmajid Mohammed

5. A Virtual Reality (VR): A Review on its Application in Construction Safety
Jobelle S Dajac

6. Compared and Properties of Oil Palm Empty Fruit Bunching fibers to be used as a roofing material

Kittisak Buasri

7. Solid waste management strategy as an alternative energy source for the economic driver in Gading Kasri Malang City

Puput Dani Prasetyo adi

8. Challenges and opportunities in the field of information and communications technology (ICT) due to covid-19 pandemic and migration towards the new normal

Ravenal A. De Jesus

9. Enhancing Student Engagement in VLE Platform: Student Perceptions Towards Programming Course Learning Resources

Abu Hassan Darusman

10. Corrosion studies of carbon steel using inhibitor of citrus X sinensis and punica granatum peel extract in phosphoric acid medium

Dr. C. Stella packiam

11. Green synthesis of metal oxide nanoparticles from the whole plant extract of Catharanthus pusillus(murr.) G.Don(apocynaceae) and their enhanced antioxidant activity

Yokeswari Nithya

12. Studies On Mechanical, Thermal And Third Order NLO Properties Of Potassium Magnesium Sulphate Crystals
N.Rathna
13. ICT-BL and latest Trends during the covid-19
Dr. Abdullah M. Al-Ansi
14. Marketing Factors that Affecting the Purchase of Condominium in Bangkok Thailand
Dr. Pensri Bangbon
15. Exploring the antecedents, drivers, and outcome of Behaviour-based safety: A literature review
Sujata Sinha.
16. The Integration of Soft Skills in English Language Teaching through AL-ASPEM
Dr. Patcharobon Jariyathitinant
17. A Causal Relationship Model of Factors Affecting Competitiveness of Community Enterprise in the Central Region
Asst. Prof. Dr. Pinyapat Nakpibal
18. Innovation of Community Potential Development in Khlong Luang district, Pathum Thani province.
Asst. Prof. Dr. Pinyapat Nakpibal
19. Study of the readiness for digitalization of the industrial enterprises in the North-Eastern Region
Siyka Demirova
20. Information Security Behavior of IT Professionals (Role of Polices and Compliance
Rao Faizan Ali
21. Nganjuk.Hitzz: Innovation Of 360o Based Tourism Information System Development Destination In Nganjuk
Dian Ahmad Sasmito
22. The Determinants of the Innovation-Friendly Environment in Europe in the Period 2000-2019
Alberto Costantiello
23. Social and cultural values for the sustainability of local tourism
María de los Ángeles Caycho Reyna
24. Solar Energy Monitoring for IOT with fault Detection and Temperature sensing Mechanism
Sonali Laxman Dushing
25. Integration of ICT in academic and administrative management processes
Edwin Martinez-Alvarez

26. Conceptualization of chemical kinetics using a visually enhanced teaching technique; a developed MS Excel worksheet/system

L.S.L.K. Fernando

27. Pedagogical leadership and educational management in the teaching practice of SENA in Colombia

Verónica Johana Suárez Molina

28. Digital Technology Innovations And Information Security Policy Impact On Healthcare Transformation In Developing Countries

Ebrahim. A B.Ghaleb

29. Single-word speech recognition using convolutional CNN neural networks

Nurbapa Mekebayev

30. Relevance of Zero Trust Network Architecture amidst and it's rapid adoption amidst Work From Home enforced by COVID-19

Dr Aniket Deshpande

31. Study the influence of Laser Energy on the Surface Morphology of Zinc Nano-particle Prepared by Pulsed Laser extirpation Method in Liquid

Ali Abid Abojassim

32. Gender differences in learning mathematics with Digital Games

L. K. Pulasthi Dhananjaya Gunawardhana

33. Application of the King's Philosophy in the Professional Learning Community to Develop Classroom Learning Promotion Network in Schools in Kanchanaburi Province

Assoc. Prof. Dr. Karanphon Wiwanthamomgkon

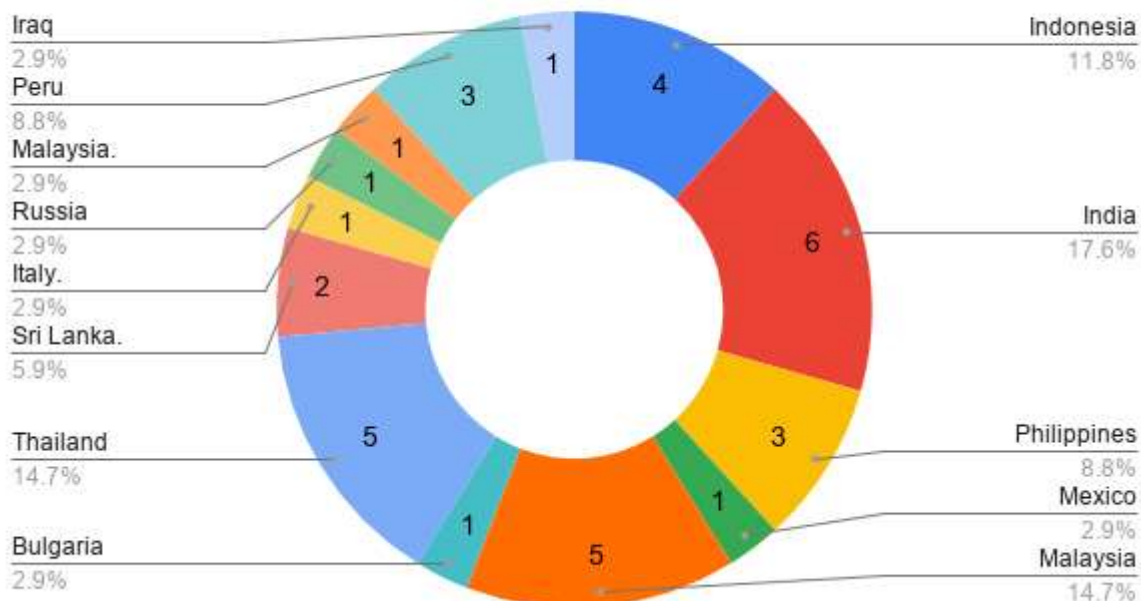
34. Business Operation Approach of Small and Medium Enterprise in Pathumthani Province

Dr. Pensri Bangbon

35. Analysis of physical properties of the HAT-P-12b planetary system

Sommkorn Chaiwarakorn

Registered paper ICSET-2021



BEST PAPER PRESENTATION

Paper ID	Paper Title	Author Name
ICSET_278096	Solar Energy Monitoring for IOT with fault Detection and Temperature sensing Mechanism	Sonali Laxman Dushing

PROCEEDING BOOK

Drive Link: <https://drive.google.com/file/d/19HuiMyKoZrcP2yRKRO982iWd-E1JFmw-/view?usp=sharing>

CONFERENCE YOUTUBE LINK

YouTube link: <https://www.youtube.com/watch?v=tajlfTyPu84>

OUR ASSOCIATES

Scopus®



PHOTO GALLERY



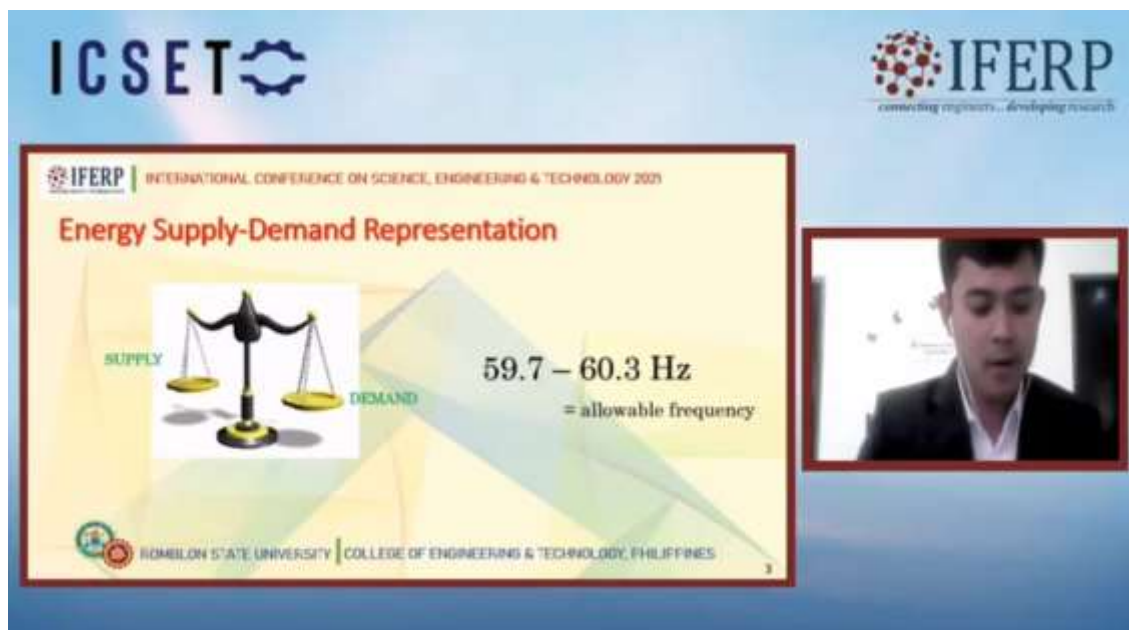
Keynote Speech by Keynote Speakers

1. Dr. Rolando R. Lansigan
2. Dr. Lampong Klomkul

Organized By
Institute For Engineering Research and Publication
www.iferp.in



Session Chair Speech







ICSET 

 IFERP
connecting engineers... developing research

 Tecnológico de Monterrey

 IFERP

**Research-Based Learning Applied in
First Semester Courses of
Engineering Programs (preliminary
study)**


C. J. Dilliegros-Godines, Adriana Erika
Martínez-Canton, Victoria Ubici.
Tecnológico de Monterrey, México.
jdilliegros@tec.mx

International Conference on Science, Engineering & Technology, ICSET-2021, Singapore



ICSET 

 IFERP
connecting engineers... developing research

 ICSET   IFERP
connecting engineers... developing research

***The Moderating Role of Intellectual Capital on the Long-Run nexus
of Information Security Breaches and Firms' Market Value:
A Conceptual Framework***

presented by

Syed Emad Azhar Ali,
Department of Management & Humanities,
Universiti Teknologi PETRONAS, Malaysia





II. RESEARCH OBJECTIVES

1. Purchasing Behavior of Condominium.
2. The importance level of factors affecting the purchasing of condominium in Bangkok Thailand.
3. The affected purchased level of condominium in Bangkok Thailand.