SDITBSS 2018
Conference Proceeding
Book of Papers

“Sustainable Development in Information Technology, Business and Social Sciences”
(SDITBSS-2018)

Editor:
Dr Ahmad Saddam Ph.D., Country Director (Global Illuminators Iraq)

ISBN: 978-969-695-007-3

Printed and Published by: Global Illuminators Malaysia
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Conference Chair Message
Farooq Ahmed Jam (PhD)

International Conference on “Sustainable Development in Information Technology, Business and Social Sciences” (SDITBSS-2018) serves as platform that aims to help the scholarly community across nations to explore the critical role of multidisciplinary innovations for sustainability and growth of human societies. This conference provides opportunity to the academicians, practitioners, scientists, and scholars from across various disciplines to discuss avenues for interdisciplinary innovations and identify effective ways to address the regional and global challenges faced by our societies. The research ideas and studies that we received for this conference are very promising, unique, and impactful. I believe, these studies have the potential to address key challenges in various sub-domains of social sciences and applied sciences. The scholars attending this conference will certainly find it helpful in refining their own research ideas, finding solutions to basic/applied problems they face and interact with other renowned scholars for possible future collaborations.

I am really thankful to our honourable scientific and review committee for spending much of their time in reviewing the papers for this event, selecting the best paper awards and helping the participants in publishing their research in affiliated journals. Also special thanks to all the session chairs from industry, academia and policy-making institutions who volunteered their time and support to make this event a success.

A very special thanks to the great scholars for being here with us as key note speakers. Their valuable thoughts will surely open the horizon of new research and practice for the conference participants coming from across the globe. I am also thankful to all the participants for being here with us to create an environment of knowledge sharing and learning. We the scholars of this world belong to the elite educated class of this society and we owe a lot to return back to this society. Let’s break all the discriminating barriers and get free from all minor affiliations. Let’s contribute even a little or single step for betterment of society and welfare of humanity to bring prosperity, peace and harmony in this world. Stay blessed.

Type of SDITBSS Papers

For this year, SDITBSS has two types of papers: Empirical Studies and Insight. Research papers meet the needs of researcher and reviewed on the basis of highest academic standards. The objective of the academic paper is to contribute in the scientific body of knowledge. Contrary, Inside papers meet the needs of policy makers and professionals and reviewed on the basis of high practical standards. The objective of the Insight is to identify the real world problems and how can solve with the help of information systems.
Reviewing Criteria

In SDITBSS all papers are used to judge on the criteria (relevance, significance, originality, validity and clarity). However some criteria differ between the Research papers and Insight papers.

**Relevancy**: Relevancy has a great impact on the theme of the conference. The material is relevant and according to the theme of the conference.

**Significance**: Knowledge in different researches in the conference is related to research papers and insight papers.

**Originality**: Ideas that are new for the researchers are used in the conference.

**Validity**: Research papers in the conference are based on theory while the insight papers in the research are based on experimental researches. References are according to content.

**Clarity**: Papers are according to the format, language is easy and understandable by the audience in the conference.

Acceptance Rates

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Acknowledgment

A huge numbers of people helped in conducting the conferences. First of all thanks to all the members of the Conference and Program Committee and representatives of the SDITBSS board and their helpers. We also want to thank all the Track Chairs, Track Co-Chairs and reviewers, as well as all the member of the Scientific Committee for their help in the review process and organizing the tracks and special sessions. We thank everyone for their hard work and dedication to this conference and we look forward to the latest episode of the SDITBSS tradition.

Farooq Ahmed Jam (PhD), Tariq Iqbal Khan (PhD) and Muhammad Abbas (Ph.D.)

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Proceeding of International SDITBSS Conference ---, Bangkok, Thailand, April 2018
A. Saddam
SDITBSS 2018 Keynote Speakers

Prof. Dr. Sylvia J. Pidor

Prof. Dr. Sylvia J. Pidor completed Doctor of Philosophy major in Educational Leadership. She is connected with the University of the Immaculate Conception, a Catholic university in Davao City, Philippines.

She started as a classroom teacher for science subjects and worked in this capacity for several years. Then, she was given a supervisory position being the Department’s Academic Coordinator. She also became a Program Chairperson. Due to her dedication to work, she is assigned as the Dean of the Graduate School and is placed in one of the top positions in the University, as the Vice-President for Academics.

Dr. Sylvia Pidor has several affiliations to various organizations in Davao Region. She is the president of the Curriculum and Instruction Area of the Davao Association of Colleges and Universities Network (DACUN), President of the Council of Deans for Teacher Education (CODTEI), President of the Philippine Association for Graduate Education, Davao Region, and member of several other organizations. She became a member of the Commission on Higher Education (CHED) Qualification Assessment Team which monitors schools in Davao Region. She is a respected member of Global Illuminators family of scholars and supporting efforts of GI. She loves to travel not only to experience different cultures in other countries but to expand her horizons in learning.
SDITBSS 2018 Workshop

“How to Improve the Quality of a Research Article and Get it Published in Scopus/Isi Indexed Journals”

Trainer: Farooq Ahmed Jam (Ph.D.)

In this workshop, we will discuss how to improve the quality of a research article and getting it published in good quality journals. Publication is considered as a KPI achievement for academic staff. It is considered to be the best way to enjoy benefits and promotion as a faculty member. In this workshop, trainer will shed light on how to identify a hot research topic, how to find a research gap, importance of a catchy Research Paper Title, what reviewers are looking for in a research article, what editors are expecting from authors, major reasons for article rejection by good journals, steps and tips to improve article quality and content, and finding a relevant outlet for your research. Hope this workshop will help the participants improve their understanding about the publication process.
Best Paper Nominee List

Quality of Work Life of Food Chain Employees in Region XI: A Causal Model

Lywylyn S. Mendoza*1, Gloria Gempes2

1,2 University of Mindanao, Philippines

Investigation of Cutting Speed on Tool Wear and Surface Roughness with Optimum Temperature MQL Aerosol

Senevirathne S.W.M.A.I1, Ranaweera R.K.P.S2*

1,2 University of Moratuwa, Sri Lanka,

Bank Service of Switching Traditional Web Platform to Mobile App Platform

Shui-Lien Chen1, Sheng Chen Ke2*, Yung Hsin Lee3

1,2,3 Tamkang University, Taiwan

The Level of Readiness in Mathematics of First Year High School Students of Cluster 6 Tugbok Secondary Schools: Basis for Intervention Program

Norman R. Galabo*1, Gaudencio G. Abellanosa2, Gloria P. Gempes3

1,2,3 University of Mindanao, Philippines

The Moderating Effect of Intellectual Capital on the Relationship between Corporate Reputation and Knowledge Sharing of Commercial Banks

Romel C. Nemiño*1, Gloria P. Gempes2

1,2 University of Mindanao, Philippines
SDITBSS 2018 Best Paper Award Winner

Bank Service of Switching Traditional Web Platform to Mobile APP Platform

Shui-Lien Chen¹, Sheng Chen Ke²*, Yung Hsin Lee³

¹,²,³ Tamkang University, Taiwan

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¹,²,³ Tamkang University, Taiwan

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Business Management Control and Risk of the Cost Cutting Function in Shipping
Ratko Bozic¹*, Frane Mitrovic², SC. Sandro Bozic³
¹,²,³ Split Ship Management, Croatia

ID: MIBEST-18-107
Quality of Work Life of Food Chain Employees in Region XI: A Causal Model
Lywylyn S. Mendoza¹*, Gloria Gempes²
¹,² University of Mindanao, Philippines

ID: MIBEST-18-111
The Mediating Effect of Risk Management Strategies on the Relationship between Attitude Constructs and Sustainability of Banana Production in Southern Philippines
Edren M. Panti¹*, Gloria P. Gempes²
¹,² University of Mindanao, Philippines

ID: MIBEST-18-113
The Moderating Effect of Intellectual Capital on the Relationship between Corporate Reputation and Knowledge Sharing of Commercial Banks
Romel C. Nemiño¹*, Gloria P. Gempes²
¹,² University of Mindanao, Philippines
A Path Analysis of Customer Loyalty of Homegrown Coffee Shops in Davao Region
Hinlayagan, Kymwell Recamadas*
University of Mindanao, Philippines

A Structural Model of Millennial Tourist Behavior towards Tourism in Davao Region
Hinlayagan, Kymwell Recamadas*
University of Mindanao, Philippines

Organizational Values, Interpersonal Skills, and Community Image: Basis for an Enhanced School Improvement Plan
Margie R. Nuñez1*, Sylvia J. Pidor2
1,2 University of the Immaculate Conception, Philippines

2. Social Sciences & Humanities

What Do South African Teacher Education Students Say About Multicultural Education?: An Explorative Study
Gregory Alexander*
University of Technology, South Africa

Diversifying Livelihoods in the Reduction of Extreme Poverty in Rwanda: A Case Study of Household Beneficiaries of Public Works’ Program
Justine Mukandakebuka*
Chiang Mai University, Thailand

Stakeholders’ Involvement in an Organic Food Network Under Actor-Network Theory Perspective
Nguyen Thuy Dung*
Chiang Mai University, Thailand

Using Activity Oriented Design Method (AODM) to Understand the Use of Gmail and WeChat a Case Study of Bhutan
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1,2 King Mongkut’s University of Technology North Bangkok, Thailand
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\textsuperscript{1,2} University of Mindanao, Philippines

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The Level of Readiness in Mathematics of First Year High School Students of Cluster 6 Tugbok Secondary Schools: Basis for Intervention Program
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\textsuperscript{1,2,3} University of Mindanao, Philippines

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Gloria P. Gempes
University of Mindanao, Philippines

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Farrah Princess D. Restauro\textsuperscript{*}
School: Gilbert Young Sr. ElementarySchool- Glan, Sarangani Province, Philippines

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Glorilyn M. Montejo\textsuperscript{1*}, Teresita Q. Adriano\textsuperscript{2}
\textsuperscript{1,2} University of Immaculate Conception, Philippines

3. Engineering & Technology Studies

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Senevirathne S.W.M.A.I.\textsuperscript{1*}, Ranaweera R.K.P.S\textsuperscript{2}
\textsuperscript{1,2} University of Moratuwa, Sri Lanka

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\textsuperscript{1} Aletheia University, Taiwan
\textsuperscript{2,3} National Chiao Tung University, Taiwan
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Pandit Deendayal Petroleum University, India

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Pandit Deendayal Petroleum University, India

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Hee Yong Kang\textsuperscript{1*}, Hyoun Ho Shin\textsuperscript{2}, Jung Cheol Yoo\textsuperscript{3}, Il Taek Lee\textsuperscript{4}, Sung Mo Yang\textsuperscript{5}
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Dr Ahmad Saddam (Ph.D.)

ISBN: 978-969-695-007-3
Printed and Published by: Global Illuminators Malaysia