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CONFERENCE PROCEEDINGS

BOOK OF ABSTRACTS MMHS-2019

International Conference on
“Medical Medicine and Health Study”
(MMHS-2019), Manila Philippines



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Book of Abstracts Proceeding

International Conference on
“Medical Medicine and Health Study”
(MMHS-2019)

Manila Philippines

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**International Conference on
“Medical Medicine and Health Study”
Manila Philippines**

**Venue: Hotel H2O Manila (Meeting Room 2, 3rd
Floor)**

ORGANIZING COMMITTEE

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CONFERENCE CHAIR MESSAGE

Dr. Malika Ait Nasser

International Conference on “Medical Medicine and Health Study” 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 challenges faced by our societies globally. 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.

I am really thankful to our honorable scientific and review committee for spending much of their time in reviewing the papers for this event. 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.

Thank you.

Dr. Malika Ait Nasser

Conference Chair

Email: chair@academicfora.com

MMHS-2019



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Conference Schedule

DAY 01 Thursday (April 18, 2019)

Venue: Room 1

9:00 am – 9:20 am	Welcome Reception & Registration
9:20 am – 9:30 am	Opening Ceremony
9:30 am – 9:40 am	Welcome Remarks – Conference Coordinator
9:40 am – 9:45 am	Introduction of Participants
9:45 am – 9:50 am	Group Photo Session
9:50 am – 10:00 am	Grand Networking Session and Tea Break



DAY 01 Thursday (April 18, 2019)

Session 1 (10:00 am – 12:00 pm)

Venue: Room 1

Track B: Engineering & Technology, Computer, Basic & Applied Sciences

IETCA-APRIL19-PH104	Safety And Security System For Ilocos Sur Polytechnic State College (ISPSC) TAGUDIN Using Arduino Technology	Carlben Dominique A. Bea
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Track C: Business, Economics, Social Sciences and Humanities

MPSE-APRIL19-PH116	Analysis Of Passengers' Willingness to Accept for Flight Overbooking Compensation	Li Yen Chang
MPSE-APRIL19-PH119	Playing with Ambulatory and Facial Expressions - Reflections of Inner Self, or External Mask?	Dr. Keith Akiva Lehrer,
MNS-349-102	Challenges of Credit Cooperative Borrowers: Basis for Operational Efficiency	Jayson Lannu
MNS-349-103	Internal Control Procedures Of Selected Multi – Purpose Cooperatives In Occidental Mindoro: Basis for Improvement in the Operational Efficiency of Cooperatives	Fye Dunaway R. Asio

Track A: Medical Medicine and Health Study

MNM-349-104	Mechanism-based optimization of hematopoietic stem cell transplantation	Ben C. Valdez, PhD
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(Lunch Break 12:00 pm – 01: 00 pm)

Closing Ceremony

List of Conference Attendees

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

Sr. No	Official ID	Name	Affiliation Details
01	MPSEAPRIL19 -PH103A	Jovelyn A. Castro	Dm,Lpt Ateneo de Davao University



DAY 02 Friday April 19, 2019)

City Tour and Shopping Day

All respective guests are free to conduct their own sightseeing and tour.
The second day of the event is reserved for this memorable purpose.



**TRACK A: MEDICAL, MEDICINE AND HEALTH
SCIENCES**



Mechanism-Based Optimization of Hematopoietic stem cell transplantation

Ben C. Valdez, PhD*

Abstract Hematopoietic stem cell transplantation is an effective treatment for a variety of hematological disorders. Its success partly depends on the optimization of the pre-transplant conditioning regimen. There is a need to identify more efficacious drugs or drug combinations for a more effective transplantation. To identify an efficacious regimen, we exposed cells to different drug combinations, analyzed their cytotoxicity and identified their molecular mechanisms of interaction using various techniques. We have shown the synergistic cytotoxicity of DNA alkylating agents (AA) and nucleoside analogs (NA) in leukemia and lymphoma cells and proposed a mechanistic model called the “loop of death”. Exposure of cells to a nucleoside analog initiates DNA damage resulting in chromatin remodeling and makes genomic DNA more susceptible to DNA alkylation. DNA damage response is then activated and the loop of DNA damage, chromatin remodeling, and DNA alkylation continues until the tumor cells commit to apoptosis. Using this model and the [AA+NA] combination as a backbone to identify drugs that may further enhance its anti-tumor activity, we hypothesized that epigenetic modifiers would amplify the loop of death. Indeed, inhibitors of histone deacetylases (HDACi) and DNA methyl transferases (DNMTi), which facilitate relaxation of chromatin, were found to be synergistic with [AA+NA]. Since active DNA repair may contribute to decreased efficacy of these drug combinations, we also examined the inclusion of DNA repair inhibitors such as olaparib. Addition of olaparib to [AA+NA] caused significant apoptosis by activation of the DNA-damage response, inhibition of PARP activity and DNA repair, production of reactive oxygen species and depolarization of the mitochondrial membranes. Our pre-clinical studies have been translated to the clinic and results from some of our clinical trials will be presented. Overall, our pre-clinical and clinical results suggest that the conditioning regimen for HSCT may be optimized by combining drugs that provide synergistic cytotoxicity based on their molecular mechanisms of action.

Keywords: Optimization, Hematopoietic, Transplantation

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**TRACK B: ENGINEERING & TECHNOLOGY,
COMPUTER, BASIC & APPLIED SCIENCES**



Safety and Security System for Ilocos Sur Polytechnic State College (Ispsc) Tagudin Using Arduino Technology

Carlben Dominique A. Bea^{1*}, Dr. Bernardo D. Lamadrid²

Abstract Burglary and theft incidents are happening in our society. In school, security measure and procedures should be in place so that students, instructors and staff will be safe and facilities will be guarded properly. But many schools in the Philippines still do not have security facilities because of the budget constraints. Other school do not even have security guards like some elementary schools in the provinces of the Philippines. Because of this, burglars are taking advantage of those vulnerable schools. The study aimed to design a system architecture and from the system architecture, develop a safety and security system for ISPSC Tagudin using Arduino technology. Developmental is used as a method in developing the said system. Based on the result, the developed safety and security is functional and effective. It is concluded that the prototype can be use for safety and security of offices and other facilities in ISPSC.

Keywords: Safety and Security, Arduino, Flame Sensor, Smoke Sensor, Motion Sensor.

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**TRACK C: BUSINESS MANAGEMENT &
SOCIAL SCIENCES**



Analysis of Passengers' willingness to Accept for Flight Overbooking Compensation

Li-Yen Chang^{1*}, Yun-Chen Tsai² Da-Jie Lin³

Abstract Inconvenience and delay of passengers resulted from overbooking has been a serious problem for airline operations. However, it has not drawn enough attention from airline passengers and government authorities until the negative impact of event of United Airlines flight 3411 occurred at Atlanta, USA, 2017. Overbooking is a situation when the total number of seats reserved for a certain period of time exceeds the total number of seats available for sale for the same period. Overbooking can have a serious negative impact on airlines' image and revenue if it is not well handled. Once overbooking occurs, the current practice is that airlines have to look for passengers voluntarily to give up their seats and fly at later time. Airlines will generally offer compensation in form of cash, vouchers and upgrades. Even with the compensation, overbooking may not be well handled. If there are not enough passengers willing to give up their reservation, airlines are forced to cancel some reservations. Under this situation, passengers are not allowed to check-in at the counter or bumped off even after they are seated. In order to reduce to the negative impact from overbooking, government authorities in the USA and European countries provide the guidelines for airlines to follow. For the current guideline in the US, if a passenger's trip is delayed within 1 hour due to overbooking, airlines will not be necessary to provide monetary compensation. If the delay is between 1 and 2 hours for a domestic flight or between 1 and 4 hours for an international flight, the passenger will receive monetary compensation up to two times of the ticket price (maximum US\$650). This study applies contingent valuation techniques to collect the willingness to accept (WTA) of airline passengers for the monetary compensation if they are not allowed to get on-board in an overbooking event. The results show that for an international flight, the passengers' average WTA is 169% of the ticket price when the delay is within 4 hours and the passengers' average WTA is 294% of the ticket price when the delay is over 4 hours. The results also identify the factors that can significantly affect the values of WTA including safety consideration, passenger's education and income levels. With this information, the government authorities and airlines can have better plans for handling the cases of overbooking.

Keywords: Airlines, Overbooking, Monetary Compensation, Stated Preference, Willingness To Accept

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Playing with Ambulatory and facial expressions - reflections of inner self, or external mask?

Dr. Keith Akiva Lehrer*

Abstract Some language expresses a neutral orientation towards locomotion: e.g. to 'move' or 'walk'. However, a rich variety of English words convey the huge spectrum of diversity in mode of movement. A simple illustration would be the extremes of crawling and sprinting. Many others are introduced in this exploratory paper, with literary allusions (Shakespeare, Wordsworth et al). Similarly, human facial expressions appear from an anthropocentric perspective to convey a richer diversity of mood, among humans, than other animals in our planetary king/queendom: e.g. smiles, grimaces, frowns, scowls, laughs etc. However, in both sets of human action, how much of each reflects the inner self; how much represents a mask presented to the external environment? (per Goffman's (1967) Symbolic Interaction, inter alia). It is proposed that a useful link between these two universal elements of human expression, and its impact on interaction, is that of the status of the individual.

Keywords: Ambulatory, External Mask, Spectrum

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Challenges of Credit Cooperative Borrowers: Basis for Operational Efficiency

Jayson Lannu*

Abstract Economic development is significantly impacted by how credit is extended to in-dividuals and small businesses to boost and mobilize entrepreneurial activities. In the Philippines, structured financial institutions such as credit cooperatives provide varied financial services but due to the tedious processes and overlapping documentary re-quirements, debtors are discouraged, making them more vulnerable to loan sharks. The study focused on assessing the agreement level of borrowers to their borrowing experience with selected credit cooperatives in Metro Manila. Specifically, indicators such as terms of payment or interest rates, processing, collateral or co- maker, and default policies were assessed by the respondents to establish the acceptability of these credit terms. On the other hand, the mode of payment, the professionalism of cooperative staff and facilities were also evaluated by the prospective and existing debtors. Furthermore, an interview with the cooperatives' management was conducted to validate the challenges being experienced by the borrowers. The study employed mixed methods necessary to provide founded information from respondents' assessment and interview of credit cooperatives. The research uti-lized both descriptive and inferential statistics as it test the significant differences among the variables being evaluated. The results showed varied responses and an overall satisfactory assessment on the borrowing experiences. However, some areas need further improvements such as limiting the tedious processes and documentary requirements which are needed to be relaxed to encourage borrowers and improve operational efficiency of credit cooperatives.

Keywords: Borrowing Experience, Collateral, Co-Maker, Credit Cooperatives, Default Pol-Icies, Loan Processing, Operational Efficiency, Terms of Payment

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Internal Control Procedures Of Selected Multi – Purpose Cooperatives In Occidental Mindoro: Basis For Improvement In The Operational Efficiency Of Cooperatives

Fye Dunaway R. Asio *

Abstract Multi-purpose cooperatives play an important role as the most effective tool for economic development. It has enormous advantages as compared to other cooperatives like the purpose of augmenting the living standard of the members; risk-sharing among members; maximizing profit in a minimum cost; building unity among people, and providing education for the members' development. Internal control procedures in this type of cooperative are crucial. The need of sound internal control is necessary in view of the growing complexity and the huge volume of transactions. Effective internal control is vital in order to maintain the integrity and reliability of reports generated by several transactions and independent activities. The study focused on investigating the internal control procedures of selected multi-purpose cooperatives in Occidental Mindoro in order to serve as a basis to improve its operational efficiency. Specifically, internal controls such as control environment, control activities, risk assessment, information and communication and monitoring were assessed by the respondents to determine the extent of implementation of these internal controls. Furthermore, the level of operational efficiency was also evaluated using the secondary data which is the audited financial statements of selected multi – purpose cooperatives. The research utilized both descriptive and inferential statistics as it test the significant differences among the internal controls variables and its influences on the operational efficiency of cooperatives. The findings of the study revealed that there were very significant differences among the internal control procedures. Also, there was a significant influence of internal control procedures on the operational efficiency of selected multi – purpose cooperatives. It is recommended that officers and management of cooperatives should maintain effective internal control strategies to ensure operational efficiency. Also, the cooperatives together with the Cooperative development Authority should come up with clear policies on internal control procedures.

Keywords: Internal Control Procedures, Operational Efficiency, Multi – Purpose Cooperatives

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FUTURE EVENTS



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