International Conference on Global Contributions of Academic Research to Communities Development Between Reality and the Impossible

Hong Kong
September 15-16, 2018
CONFERENCE PROCEEDINGS

BOOK OF PROGRAM & ABSTRACTS

First International Conference on Global Contributions of Academic Research to Communities Development Between Reality and the Impossible

September 15-16, 2018

Grand View Hotel, Hong Kong

GACR-2018
Disclaimer

These abstracts are provided to all the honourable participants who have submitted their papers and are registered in our conference. Committee has made all the possible efforts to ensure precise/accurate replication of abstracts however if any inaccuracies found in the studies, event organisers will not be liable. Thank You.

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Preface

“Experts of Academic Excellence Research Centre” is one of the most distinguished professional and academic societies for scholars from various scientific fields. Our members constitute an international homogeneous group of distinguished scientists, mentors, students and practitioners who have precious knowledge of creation and innovation. Our mission and vision serve as the framework for our Roadmap to excellence. The road starts with our mission, which is represented in exploration of new research insights and an interactive platform for enhancing creativity and innovation. Alongside, it continues with our vision, which is to promote innovation and enhance excellence through research and development. Our core values are to ensure long term improvement in knowledge and inspiring creative thinking. Our strategic objective is to contribute brilliance in scientific research and innovation.
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Chair’s Welcome

Experts of Academic Excellence Research Centre 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 a good opportunity for 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 honourable scientific 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

Prof. Dr. Mohammad

Conference Chair Person
Program at a Glance

DAY 1st Saturday (September 15, 2018)

Welcome Reception & Registration

09:00 09:10 am

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<tr>
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<tr>
<td>09:20 am 09:30 am</td>
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<td>09:30 am 10:00 am</td>
<td>Grand Networking &amp; Session Tea Break</td>
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### DAY 01 Saturday (September 15, 2018) - Theme: Business Management & Social Sciences

#### Session 001 (10:00 am 01:00 pm)

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#### Theme: Engineering Technology & Applied Sciences

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**Lunch Break (01:00 pm 02:00 pm)**
DAY 02 Sunday (September 16, 2018)

All respective guests are free to conduct their own sightseeing and tour. The second day of the event is reserved for this memorable purpose.
THEME: BUSINESS, ECONOMICS, SOCIAL SCIENCES & HUMANITIES
A Study on Cross-border Leadership Behavior of Japan’s Outstanding Principals

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With the changes of the times and the development of society, the education field is constantly undergoing changes. The school operation also presents an open and pluralistic character. It constantly poses new requirements for the behavior of the principals’ leadership. The principals’ cross-border leadership ability is particularly significant. The purpose of this study is to explore some outstanding leadership behavior specifically in terms of "creating a school vision," "incentivizing the relevant talent," "coordinating the community," "leading the curriculum," and "sharing education goals." The objects of this research are mainly about five outstanding elementary schools’ principals. Research methods are mainly based on deep interview. Interviews were conducted with principals and relevant staff, supplemented with relevant observations and documentation to form a triangle inspection. The main findings include: Japan’s distinguished principals can create a school vision with a professional persistence and unite the consensus of the members; systematized interviews are concerned with the development of teachers, giving timely affirmation and individualized support; using the corporate management strategy to organize the community based on the development of students; leading the curriculum and teaching activities in a way that takes into consideration of both macro-leadership and micro-guidance; and promoting the common development between school and the local community by constructing community school. To some extent, this research makes up for the relative lack attention of principals from eastern countries by the previous International Successful School Principalship Project (ISSPP). It is suggested that countries and regions with similar cultural contexts could draw on some relevant experience of Japan’s principals, be prudent in localization, and incorporate multiple methods to continuously carry out related research, promote the advancement of related practical work, and improve relevant theoretical research.

Keywords: Principal Leadership, Cross-Border Leadership, Leadership Behavior.
How to Enhance the Spiritual Benefits of Jewellery on Women

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Background: Jewellery has a special place in a womans life. Its value is usually determined by the emotional significance it has in her life, its attractiveness, and its monetary or prestige value. Traditionally, Indian women have been known to adorn more jewellery. The reason for this can be found in Indian culture, which is rooted in Spirituality. So, does jewellery have any spiritual value or significance? Methodology: The team at the Maharshi University of Spirituality has 37 years of spiritual research experience and recently undertook a study on jewellery from a spiritual perspective. This research has been conducted by using aura and subtle-energy scanners along with the advanced sixth sense of its research team. Results/Findings: It was found that any piece of jewellery emits its own unique subtle-vibrations, which can be positive or negative and will accordingly affect the wearer. This is dependent on various factors such as the design, the materials used and the designers spiritual state. By experimenting with different jewellery designs and materials, it was found that the subtle-vibrations emitted by jewellery can be positively enhanced. For a woman, this means that accessorising herself with the right jewellery will not only make her look more beautiful, but more importantly it will enhance her spiritual positivity along with improving her mental state. Conclusion: The valuation of jewellery is mostly limited to some worldly criteria. However, this paper sheds light on the importance of the spiritual valuation of jewellery, which once understood can potentially change consumer buying behaviour. Jewellery that emits positive vibrations provides spiritual protection from negative vibrations in the environment, thus facilitating the wearers spiritual practice and spiritual progress.

Keywords: Subtle-vibrations of Jewellery, Spiritual Benefits of Jewellery
Gender Differences in Korean Nudge Policy Preferences

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Nudges are policy innovations that seek to improve compliance or help people make better decisions based on empirical studies of behavior. Nudges are contrasted to policies that are designed according to theoretical models of standard economic utility maximization processes that assume people use perfect rationality for objective values. Nudges are intended to influence people to choose for better outcomes without violating their freedom of choice, recognizing that there are subjective values and alternative objectives in peoples decision processes. Nudges work by identifying prevalent biases in peoples behaviors and then matching the policy design to work with those biases, rather than against them with pure logical hardheadedness. The growth of nudge policies worldwide is raising many questions about the universality of application across cultures and demographics. While the findings of behavioral economics the foundation for nudge policy are well described in the research literature, there is still need to test the efficacy of various policies in different contexts. This research contributes to that effort by examining the differences of preference for a number of nudge policies according to the gender of respondents from a sample of Korean respondents. An online survey conducted in 2018 measured respondents approval of 38 hypothetical nudge policies that fell into seven topical groups. An analysis of significant differences between the genders of respondents found that Korean females were often more favorable to progressive nudge policies than Korean males. Situating the findings in a qualitative description of Korean society and modern dynamics, the research suggests opportunities for applying nudges in Korean society to optimize compliance with progressive policies and social welfare developments.

Keywords: Nudge Policy, Korea, Social Welfare
Behavioral Insights for Reducing Plastic Bag Consumption

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In April 2018, a plastic waste crisis began in Korea when recyclables were not collected in residential areas due to low business viability after China banned foreign imports of trash. In response, the Korean Ministry of Environment developed plans for various interventions to resolve the plastic waste crisis. In particular, plastic bags became a target as Korean consumers use about 420 plastic bags per person every year. Plastic bags are a convenient routine of the Korean shopping experience; however, plastic bags are also a critical threat to the environment. Accordingly, the Ministry issued a policy that severely restricts the availability of plastic bags starting this fall. Reducing Koreans use of plastic bags is an opportunity for policy innovations that can counter peoples biases for convenience. Behavioral economics, the study of individual choice outside the standard models of utility maximization, offers some insights for improving outcomes pertaining to this issue. Building from the results of a survey we recently conducted about hypothetical nudge policies in Korea, several kinds of behavioral insights are identified as effective for Korean society. This research takes those findings, along with other concepts of behavioral economics, for the application and optimization of the plastic bag restriction policy. Several different approaches are explored in conjunction with the policy in order to influence Korean consumers perception of plastic bag use. Ideally, this policy and the approaches may be extended to other environmentally unsustainable practices in Korea and Southeast Asia.

Keywords: Plastic Bag, Korea, Environment
Monitoring of Plant Reproductive Phenology in the Tropical Lowland Forests of Palanan, Isabela, Philippines

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Phenological researches in tropical lowland forests in South East Asia are scarce despite being one of the most biodiversity rich places. The Philippines is a megadiverse country but also a biodiversity hotspot with only 22% of its total land area with intact forest cover. Here we present a two-year phenological survey of the tropical lowland forests in Palanan, Isabela, a site under the Philippine Long Term Ecological Research (PhiLTER). Proportions of individuals at reproductive stage are almost the same between trees of > 5 cm and < 5 cm DBH surveyed from April 2016 to March 2017. On the second year, observations were focused on trees with DBHs of > 5 cm. A total of 105 species from 74 genera and 42 families were observed to have entered a reproductive episode. All throughout the two-year monitoring, fruiting intensity was higher than flowering. Floral anthesis were slightly higher compared to buds. Fruit being more detectable may account to observations of high fruit set, a result of efficient pollination. Masting and general flowering events were not observed as these occur in irregular intervals. Only four dipterocarp species were identified to have entered a reproductive episode.

Keywords: Tropical Forest, Phenology, Lowland, Palanan, Isabela
THEME: ENGINEERING TECHNOLOGY & APPLIED SCIENCES
Viability and Co-Viability: Cellular Automata Approach and Applications

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In this work we consider the concept of viability and co-viability using cellular automata approach. The viability notion has been introduced by Aubin in [1, 2] and has been developed by many scientists. The principle consists in saying that a given state $z_0$ is $K$ viable during a time interval $I = [0; T ]$, where $K$ is a given subset of the state space, if the state $z(t; z_0)$ remains in $K$ for all $t \in ]0; T [$.

Since the introduction of the viability notion it was used to study many applications related to environment, economic, political development phenomena... [1]. An extension to the distributed parameters systems, described by partial differential equations, is given by Aubin [1] in the global case (on all the spatial domain where the systems evolves). The regional case was considered by Bernoussi [5]. In some recent works an extension of the viability notion, the so called coviability has been introduced to model some environmental/economical systems. The co-viability concept is introduced when we have some coupled dynamical systems, or a systems with many components. The principle consists in saying that the systems, or the system components, are co-viable if all of them are viable and also their states satisfy a given relationship during all the time interval. A mathematical approach is given by El Jai et al. [8] and Bernoussi et al. [4]. In this work we consider the viability and co-viability using a cellular automata approach. We introduce an adapted definition of the viables states or cells in the case where the system is described by cellular automata. Also we extend the definitions for the co-viability notion. As an example we consider the famous game of live introduced by conway in 1970 [3]. To illustrate the coviability we consider an adapted example with two states evolving in the same lattice.

Keywords: Viability, Co-viability, Cellular Automata
A Study on Ransomware Cryptographic Key Recovery Method through Analysis of Existing Recovery Cases

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Every year new Ransomwares are appearing, such as Wannacry and Jaff, and the damage scale is increasing. Prevention such as data backup is important to defend Ransomware. So, AV companies and government agencies are more focused on prevention in advance. But research is needed into recovering ransomware infected file for the existing Ransomware victims and future victims. This paper analyzes the case of Ransomware being previously restored. We analyzed what technologies recovered Ransomware and refined them. By reviewing the existing recovery technologies, we will examine whether it can be applied to other Ransomware that has not been recovered so far. Finally, We summarize the processes of the currently recovered ransomware, We suggest a way to check the recoverability of the new Ransomware analysis.

Keywords: Existing Recovery Cases, Ransomware Cryptographic
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VISION

Our Vision is to Promote Innovation and Enhance Excellence through Research and Development.