



CONFERENCE PROCEEDINGS

2019 – 23rd International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 16-17 November, Singapore

16-17 November 2019

CONFERENCE VENUE

The National University of Singapore Society (NUSS), The Kent Ridge Guild House, 9 Kent Ridge Drive, Singapore

Email: convener@eurasiaresearch.info

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Preface:

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Our mission is to make continuous efforts in transforming the lives of people around the world through education, application of research & innovative ideas

KEYNOTE SPEAKER



Sigmund Topor

Doctor of Philosophy in Education, Specialization in Post-Secondary and Adult Education, Capella University, Minneapolis, MN, U.S.A.

Topic: The Ethical Challenges of Medical Technology in the Current Age of Globalization

A Scholar-Practitioner and President of International & Intercultural Communications. F (Francis) Sigmund Topor conducts research on a full-time basis and lectures at a number of universities including University of Electro-Communications, Seijo and Keio Universities in Tokyo, Japan. His expertise include Adult Education, Critical Thinking, Biomedical Ethics, Epistemology, and Japanese Sociolinguistics. Dr. Topor also currently provides intercultural communicative competency to Japanese multinational corporations in Tokyo; haven provided educational services to the Tokyo Metropolitan Board of Education. He has an extensive portfolio of writings including The Need for Global Standard in Biomedical Ethics and the Qualitative Methodology, the Empowerment of Japanese Women: What Will the Social Impact Be?

PRESENTERS

Milano Carlitos
ERCICRLSH1924051

Diverse Attachment Between Humans and Robots

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Fernando P. Oringo

Abstract

Robotics throughout the years, it has become a foundation that continues to opens doors to many opportunities that lead to a greater impact in our society. Therefore it is a must to understand the capabilities of both humans and robots creating a co-operative relationship between them that can strengthen the bond. The main goal of our study is to be able to spread awareness on how robots or automatons can give us an advantage in life, how it can assist us in the things we need to do, especially towards the minority: those who have special needs that can possibly be catered by robots. The theoretical framework is based on how a robot's behavior can be evaluated by comparing it to another entity which is also capable of social interaction, which, in this case, are PWDs. The process we used for Data Procedures are using Coding, Thematization and Triangulation. With the data gathered by the researchers, functions and applications of robotics among people with disability were analyzed. The Human Robot Interaction among the perspective of PWD's such as its relationship and challenges of integration were also effective as it gives them a keen understanding that this could also benefit and help them whether, physically and mentally. We researchers conclude that the process of the interview conducted gave an opportunity to discover and understand the certain aspects concerning the PWD's. With this, it serves as a foundation that continues to develop and open doors to many opportunities that lead to a greater impact in our society.

Yanjun Gao
ERCICRLSH1924053

Health Implications of Elder Spouses' Spatial Separation Due to Migration

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Abstract

Dramatic changes in Chinese economy has led to an enormous wave of migration, and this is a trend that has long been underestimated among middle and old aged people. According to the 2010 Population Census of the People's Republic of China, migrants aged 45 or older take up 20.04% of the overall migrants, and statistics have shown that the migration of elders has been increasing in recent years. The spatial separation of an increasing number of spouses is an important impact of

migration (Chen 2015), therefore, the impact of this spatial separation due to migration on middle and old aged adults becomes an important question. This study focused mostly on the health impact, as elders are particularly vulnerable to health problems. We examined whether the health benefits of marriage extend to middle and old aged individuals in China who are spatially separated from their spouses using 3 waves of CHARLS longitudinal data (2011, 2013, 2015). We compared the physical and mental health across different marital status using both OLS regression and panel methods. Our results suggest a clear mental health disadvantage of married individuals whose spouses are absent compared with those whose spouses are living in the same household. Furthermore, longer spousal absence is more harmful to individuals' mental health. Finally, we identified that loneliness is a possible mechanism through which spouses' mental health is affected, especially for females. But we did not find any physical disadvantage in this process.
Keywords: Migration; Health; Marriage; Loneliness

Omer Taha Sozgen
ERCICRLSH1924056

Using Indicator Fauna Elements in Biotope Maps for Urban Landscape Planning

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Abstract

With the developing technology and increasing population, cities are rapidly and unplanned growing around the world and therefore the natural environment and species are under threat. In order to eliminate the negative effects of this treatment, qualified tools and datas are needed in order to take appropriate planning decisions. In order to benefit from the biotope maps, which are important data sources, they should be prepared rapidly in parallel with the speed of urbanization. Detection of sensitive ecosystems in urban landscapes can be achieved by mapping biotopes. These maps are also important for the development, management and continuity of ecological infrastructures. From this point of view, in order to obtain a biotope map which will be prepared for urban landscape planning, it is thought that the determination of the required biotope classes with indicator fauna elements may be more practical. In this study, literature about biotope maps, created by using indicator fauna elements are examined and discussed. As a result, it was determined that biotope maps, prepared based on indicator fauna elements, could be obtained rapid and qualified datas.

Keywords: Biotope Map, Indicator Fauna Elements, Urban Landscape Planning



Dian Hudiawati
ERCICRLSH1924060

Correlation between Social Support and Self-Care Behaviour among Patients with Congestive Heart Failure

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Abstract

Heart failure is a condition that heart unable to pump blood to meet the needs of oxygen and nutrients to body tissues. Heart failure is one type of chronic disease that need treatment for long-term care. Self-care management are important aspect to improve the quality of life of the patients. Social support affects the psychological response and self-management of this patients. The purpose

	<p>of this study was to identify the relationship between social support and self-care behavior in patients with congestive heart failure (CHF). This type of research is cross-sectional design. Data analysis used Chi-Square test. The recent study involved 67 respondents that used accidental sampling technique. Medical Outcomes Study-Social Support Survey (MOS-SSS) and Self-Care Heart Failure Index (SCHFI) was used to collect the data. The results showed that a social support had significant relationship with self-care behavior ($p=0.03$). A social support and self-care behavior show a positive correlation. In conclusion, involving family member in self-care management program of patient with heart failure are needed.</p> <p>Keywords: Heart Failure, Social support, Self-care behavior.</p>
<p>Darrell Cameron Brett ERCICRLSH1924058</p>	<p style="text-align: center;">Cervical Total Disc Arthroplasty</p> <p style="text-align: center;">Darrell Cameron Brett Board Certified Neurosurgeon, USA</p> <p style="text-align: center;">Abstract</p> <p>Cervical arthroplasty has become the procedure of choice in surgical treatment of cervical disc disease. We will review the scientific evidence that has made this procedure best practice and discuss the long term 10 year follow-up results. Indications for the procedure will be reviewed and case studies presented.</p>
<p>Wu Ching-Shan ERCICRLSH1924059</p>	<p style="text-align: center;">A Connective Map for TCM, Gene, and Diseases by Acupuncture-Induced Whole Genome Mrna Expression Profile In Vivo</p> <p style="text-align: center;">Jing-Shan Wu Graduate Institute of Chinese Medicine, China Medical University, Taichung, Republic of China</p> <p style="text-align: center;">Tin-Yun Ho Graduate Institute of Chinese Medicine, China Medical University, Taichung, Republic of China</p> <p style="text-align: center;">Hsin-Yi Lo Graduate Institute of Chinese Medicine, China Medical University, Taichung, Republic of China</p> <p style="text-align: center;">Feng-Yuan Chen Graduate Institute of Chinese Medicine, China Medical University, Taichung, Republic of China</p> <p style="text-align: center;">Chien-Yun Hsiang Department of Microbiology, China Medical University, Taichung, Republic of China,</p> <p style="text-align: center;">Bo-Ming Huang Chinese Medicine Department , St. Joseph's Hospital, Yunlin County, Republic of China,</p> <p style="text-align: center;">Abstract</p> <p>The aims of this study were to investigate the effects of electroacupuncture (EA) at Zusanli (ST36) to modulate whole-body gene expression of different tissues and possible physical functions via transcriptomic analysis in mice. This was the first evidence that we used bioinformatics to help track transcriptional changes during EA-treatment at ST36 in different tissues due to acupoint and have been able to find and detect similarities that occurring between different tissues over time. Recently, many studies have demonstrated that EA at ST36 can modulate widely in various disorders, such as acupuncture analgesia, cardiovascular, gastrointestinal and immunological-related disorders, which means EA at ST36 modulates multi-organs physical functions at same time. To interpret the relationships among ST36, biological processes, and diseases that we use bioinformatics approach, such as pathway analysis program identified the major transcriptional pathways of each organ and through pathway analysis showed that spleen was the major expression organ of mouse in the EA at ST36. EA at ST36 has indicated disease analysis and led to metabolic and immune responses-associated diseases in mice, such as diabetes mellitus, arthritis, and colitis. Moreover, we listed the regulation of disease-related gene profiles to assure the gene expression in the transcriptional RNA level. Our findings showed that EA positively regulated the immunity-associated pathway through the spleen gene expression. These data suggested that EA treatment might explain the beneficial effects in whole genome mRNA expression profile. In summary, EA at ST36 may have specific</p>

immunomodulations on spleen, suggesting that EA exhibited valuable therapeutic interventions for patients.
Keywords: ST36; Electroacupuncture ; Microarray; Metacore; Bioinformatics

LISTENERS

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