



ICMRP 2017
Conference Proceeding
Book of Papers

5th Innovation Challenges In Multidisciplinary Research and Practice

Editor:

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

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A.Saddam

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Conference Chair Message

Farooq Ahmed Jam (Ph.D.)

4th International Conference on “Innovation Challenges In Multidisciplinary Research And Practice” (ICMRP-2017) 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 ICMRP Papers

For this year, ICMRP 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 ICMRP 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

Full Research Papers				
Submitted Papers	Accepted Papers	Withdrawn	Unqualified papers	Acceptance Rate
96	40	20	36	41.7%

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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 ICMRP 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 ICMRP tradition.

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

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Proceeding of 5th International ICMRP Conference ---Singapore, December 2017

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School of Public Health, North China University Of Science And Technology

ICMRP 2017 Keynote Speakers

Dr Rael Futerman

Dr Rael Futerman is a Programme Manager at the Hasso Plattner Institute of Design Thinking at the University of Cape Town South Africa. Dr Rael Futerman had done his specialization in Industrial Design, Participatory Design and Design-led Innovation. As a Design Thinking educator, his interest is in developing context-relevant programmes that support experiential learning among multi-disciplinary student and industry groups. His area of interest include the development of contextual models of design thinking practice, entrepreneurship development and discovery-driven innovation. Rael has worked as an educator and Programme Manager within the Industrial Design department of the Cape Peninsula University of Technology (CPUT), and a consultant and researcher in the academic and corporate sectors. His education includes a Masters in Technology with a focus on geron technology, and a Doctorate of Technology with a focus on Participatory Design, both from CPUT. As part of his academic research he has worked with a range of communities, both nationally and internationally, in the code sign of context responsive design methods and outputs. A key area of interest that has emerged is the development of Activity Theory informed systems mapping within design practice. His key note speech at ICMRP-2017 will be an insightful address for the audience and participating scholars.

ICMRP 2017 Track's Chairs

Business Management and Economic Studies

Baris Sezer & Chintamanee Sanmukhiya

Social Science And Humanities

Acheampong Owusu & Hock Thye Chan

Engineering And Technology Studies

Visalini Muthusamy & Rael Futerman

Health And medicine Studies

Farooq Ahmed Jam & Woon Jeong Lee

ICMRP 2017 Best Paper Nominees

Forecasting International Tourist Arrivals to Sri Lanka using Sarima Approach

S.C.Thushara^{1}; Jen-Je Su², Jay Bandaralage³*
Griffith University, Brisbane, QLD Australia

The Mh370 Incident and Malaysia-China Bilateral Relations: A Comparative Analysis of Newspapers in Malaysia and China

Yang Lai Fong^{}*
Taylor's University, Malaysia

E-Government Divide in the Republic of Mauritius

Chintamanee Sanmukhiya^{}*
Modern College, Central Flacq, Mauritius

What Is The Problem Represented to be (Wpr): A Research Methodology for the Analysis on Australian Skilled Migration Policy

Hock Thye Chan^{}*
University of Newcastle, Newcastle, Australia

Creating a Web-Based 3D Virtual Patient Scenario for Communication Skills Practice

Baris Sezer^{1}, Mohan Zalake², Andrew Cordar³, Samsun Lampotang⁴, Benjamin Lok⁵*
University of Newcastle, Newcastle, Australia

Monitoring System for Abnormality of Electronic Devices using Deep Learning

J. K. Lee^{1}, B. J. Kim², S. J. Lee³*
^{1,2,3} Soongsil University, Korea

ICMRP 2017 Best Paper Award Winners

Forecasting International Tourist Arrivals to Sri Lanka using Sarima Approach

S.C.Thushara^{1}; Jen-Je Su², Jay Bandaralage³*

Griffith University, Brisbane, QLD Australia

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Forecasting International Tourist Arrivals To Sri Lanka Using Sarima Approach

S.C.Thushara^{1}, Jen-Je Su², Jay Bandaralage³*

ID: ICMRP-17-194

Toward Startup Model for Green Care Business in Korea
Youngdo Shim¹, Hyeim Ahn², Dae-Koo Kang^{3}*

ID: ICMRP-17-200

Consumer behavior for retirement planning in Thailand

Ongcaruttiya Kittichotwattana¹, Rudsada Kaewsang-on^{2}, Mohamed Pirani³, Bahaudin G. Mujtaba⁴*

2. Social Sciences & Humanities

SMSTPA-17-113

E-Government Divide in the Republic of Mauritius

Chintamane Sanmukhiya

ICMRP-17-108

The MH370 Incident and Malaysia-China Bilateral Relations: A Comparative Analysis of Newspapers in Malaysia and China

Nicole Yang Lai Fong

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Indigenous Measurement Tools and Means used by AGTA of Lupigue, Ilagan City, Isabella, Philippines

Aldwin M. Martin^{1}, Lea T. Odanga²*

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The Future of Learning in Emerging Creative Economies

Rael Futerman

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Does Conspicuous Leisure Consumption Increase Leisure Satisfaction of Mountain Climbers?

Sunhwan Hwang¹, Heetae Cho, Kang², Hyoung-Kil³

ICMRP-17-195

Curriculum Development on the Green Care Experts in Korea

Hyojin, Lee¹, Dae-Koo Kang^{2}*

ICMRP-17-196

Green Care Competency Needs of Rural Extension Agents in Korea

Dae-Koo, Kang^{1}, Seunghee, Lee²*

3. Engineering & Technology Studies

ID: ICMRP-17-157

Development of Dynamic Simulation Modeling of Power Converters for OWC Wave Power Generation System

Jaehyuck Kim^{1}, Hun Oh²*

ID: ICMRP--17-174

Using Attenuation Coefficient to Solve the Grounding Resistance Estimation of Human Body in the Special Cases

Jeu-Min Lin^{1}, Zhao-Xiong Wang²*

4. Health and Medicine Studies

ID: ICMRP-17-132

Creating a Web-Based 3D Virtual Patient Scenario for Communication Skills Practice

*Baris Sezer^{*1}, Mohan Zalake², Dr. Andrew Cordar³, Prof.Dr. Samsun Lampotang⁴, Prof.Dr. Benjamin Lok⁵*

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