

RTEIT



GI Engineering, Technology, Applied Sciences Forum

Conference Proceeding Book of Papers

International Conference on “Recent Trends in Engineering, IT, Biotechnology &
Agriculture Sciences (RTEIT-2019)”

Editor:

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

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Conference Chair Message

Farooq Ahmed Jam (Ph.D.)

International Conference on “Recent Trends in Engineering, IT, Biotechnology & Agriculture Sciences (RTEIT-2019)” 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 RTEIT Papers

For this year, RTEIT 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 RTEIT 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
13	10	1	2	76.92%

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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 RTEIT 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 RTEIT tradition.

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

Program Chair & Co-Chairs

RTEIT 2019 Scientific and Reviewers Committee

ENGINEERING AND TECHNOLOGY STUDIES

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Nahid Sanzida

Bangladesh University of Engineering and Technology (BUET) Bangladesh

RTEIT 2019 Keynote Speakers

Dr. C. Chellaram (Ph.D.)

Dr. C. Chellaram was born in 1977. He has completed, B.Sc, M.Sc, M.Tech and Ph.D. in Biomedical Sciences from Madurai Kamarajar University, Sathyabama and Manonmaniam Sundaranar universities respectively, Tamil Nadu, India. He has worked as Lecturer and R&D coordinator in St. Peter's Engineering College for 8 months. He worked as Associate Professor cum Head of the Department in Vel Tech Multitech Engineering College, Chennai, Tamil Nadu, India for 7.3 years and now, he is working as an Assistant Professor of Applied Biotechnology Department at Sur College of Applied Sciences, Ministry of Higher Education, Sultanate of Oman since September 2015. He is a scientific life member of different scientific societies like ISCA, ISTE, BMESI, AMI, SBAO, FISBT, etc. and editorial member in many referred journals. He has completed TWO major research projects and published more than 120 articles in Journals and National and international conference proceedings. Dr. Chellaram has supervised many Master / Ph.D. students.

RTEIT 2019 Track's Chairs

Business, Management Economic, Social Sciences and Humanities

C. Chellaram

Engineering and Technology Studies

Chiu Min Yang

Best Paper Nominee List

A Robust Lane Detection Algorithm with Binary Line Segment Filter on Image Sensor

Y.H. Liu¹, H.P. Hsu², S.M. Yang³

^{1,2,3} National Cheng Kung University, Taiwan

Bioactive Efficacy of Epibiotic Bacteria Isolated from Sea Fan Corals, Gulf of Mannar, Southeastern India

C. Chellaram

Sur College of Applied Sciences, Sultanate of Oman

Framework for Integration of Unstructured Data of Hate Speech on Facebook

Axel Rodríguez

National Taiwan University of Science and Technology, Taiwan

RTEIT 2019 Best Paper Award Winner

A Robust Lane Detection Algorithm with Binary Line Segment Filter on Image Sensor

Y.H. Liu¹, H.P. Hsu², S.M. Yang³

^{1,2,3} National Cheng Kung University, Taiwan

List of RTEIT 2019 Academic Papers

1. Social Sciences and Humanities Studies

ID: MIAR-19-103

Study on the Influence of Online Teacher Communities on School Teaching—Taking the Math-Cafe Community as an Example

Chiu-Hua Lin^{1}, Koun-Tem Sun²*

^{1,2} National University of Tainan, Taiwan

ID: MIAR-19-104

Research on the Influence of Online learning platform on Mathematics Teaching in Taiwan

Chiu-Hua Lin^{1}, Koun-Tem Sun²*

^{1,2} National University of Tainan, Taiwan

ID: MIAR-19-105

Income, Educational Attainment, and Green Infrastructure in Houston, Texas, USA

Macey McCracken¹, Astuko Kawakami^{2}, Anne Egelston³*

^{1,2,3} Tarleton State University, USA

ID: MIAR-19-110

The Implementation of the Anti-Drug War Campaign of the Philippine Government

Wenifredo Delmonte Alagabia Jr^{1}, Robino D. Cawi²*

^{1,2} University of the Cordilleras-Baguio City, Philippines

ID: RDEBMIT--19-126

Information Technology, Robots, and Torts

Chiu Min Yang^{}*

Kainan University, Taiwan

ID: RDEBMIT-19-127

The Economic Analysis of Product Substitutability and Intimidation Effect on Vertical Integration

Yu-Chieh Chang^{1}, Shu-Yi Liao²*

^{1,2} National Chung Hsing University, Taichung, Taiwan

2. Engineering and Technology Studies

ID: RTEIT-19-101

A Robust Lane Detection Algorithm with Binary Line Segment Filter on Image Sensor

Y.H. Liu^{1}, H.P. Hsu², S.M. Yang³*

^{1,2,3} National Cheng Kung University, Taiwan

ID: RTEIT-19-104

Bioactive Efficacy of Epibiotic Bacteria Isolated from Sea Fan Corals, Gulf of Mannar, South-eastern India

C. Chellaram^{1*}, *S. Krithika*²

^{1,2} Sur College of Applied Sciences, Sultanate of Oman

ID: RTEIT-19-105

Framework for Integration of Unstructured Data of Hate Speech on Facebook

Axel Rodríguez^{*}

National Taiwan University of Science and Technology, Taiwan

ID: RTEIT-19-106

Naïve Bayes for Debt Collection Contact Channel

Laor Boongasame^{1*}, *Somsri Banditvilai*²

King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand

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