



Proceedings of International Conference on Engineering, Information Technology, Applied Sciences, Computer Software & Networking (EIACN)

Conference organized by:



**Research Forum
for Applied Sciences,
Engineering & Technology**

This conference is dedicated to educators all over the world and to the members of the Research Forum for Applied Sciences Engineering and Technology (RFAET) whose passion for teaching, learning, research, and service are helping to transform the academy in many positive ways.

Mission, Vision, and Core Values

Exploration of new research bits of knowledge and an intuitive stage for improving innovation and advancement

Lead the researchers through global communication and collaboration.

Scholastic Innovation, Excellence and Integrity, Insightful Research, Networking, Professional Leadership, Assorted Variety and Equity, Collegiality and Collaboration, Corporate Social Responsibility

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Research Forum for Applied Sciences Engineering and Technology

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Welcome Message

The Research Forum for Applied Sciences Engineering and Technology (RFAET) welcomes you to the International Conference on Engineering, Information Technology, Applied Sciences, Computer Software & Networking (EIACN). We are happy you decided to join your colleagues from around the world to explore innovative technologies, pioneering pedagogical strategies, and a sampling of international collaborations that are being used to engage and retain students, researchers and Scholars in the new millennium.

Scientific Committee

Jan Fook, International Centre for Higher Education Educational Research, Leeds Trinity University, UK
Jennifer Bowerman, MacEwan University, Canada
Jo Ann Rolle, Medgar Evers College, The City University of New York, USA
John Davies, Victoria University of Wellington, New Zealand
Julie Baldry Currens from Higher Education Academy, UK
Lela Pumphrey, The British University in Egypt
Lobna Ali Al-Khalifa, National Authority for Qualifications & Quality Assurance of Education & Training (QQA), Bahrain
Jan Fook, International Centre for Higher Education Educational Research, Leeds Trinity University, UK
Jennifer Bowerman, MacEwan University, Canada
Jo Ann Rolle, Medgar Evers College, The City University of New York, USA
John Davies, Victoria University of Wellington, New Zealand
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Jennifer Bowerman, MacEwan University, Canada
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Mudrajad Kuncoro, Gadjah Mada University, Yogyakarta, Indonesia
Justin Henley Beneke, University of Winchester, UK

Acknowledgements

The organizing committee would like to thank all those people who were involved in making the conference a success. A great amount of planning and organizing is required to hold a successful conference, so we are indebted to those who volunteered their time and energy.

We want to thank all the members of the Research Forum for Applied Sciences Engineering and Technology (RFAET) who volunteered their time to help organize the conference.

Conference Description

Research Forum for Applied Sciences Engineering and Technology (RFAET) provides an excellent venue for generating ideas. Conference participants will explore the latest trends, practices, and research in engineering technology and Applied Sciences tracks. The program will emphasize experimentation and pushing the boundaries of higher education.

ENGINEERING TECHNOLOGY

Acoustical Engineering Aerospace Engineering, Agricultural Engineering Biological Engineering and Sciences, Biological Systems Engineering Biomedical Engineering, Bioprocess Engineering Biotechnology, Building Services Engineering Chemical Engineering, Industrial Engineering Information Engineering, Informational Technology Manufacturing Engineering and Technology, Materials Engineering Mechanical Engineering, Mechatronics Nanotechnology and Nanoengineering, Naval Engineering Nuclear Engineering, Technology for Cloud Computing Technology for Community, Technology for Digital Age Technology for Human Use, Technology for Learning Civil Engineering, Computer Engineering Current issues and challenges in Engineering, Electrical Engineering Electronic Engineering, Energy Engineering Environmental Engineering, Food Engineering Genetic Engineering, Geotechnical Engineering Ocean Engineering and Technology, Optical Engineering Petroleum Engineering, Power Engineering Process Engineering, Resource Engineering Sensing Technology, Structural Engineering Systems and Software Engineering, Technology for Big Data Textile Engineering, Thermal Engineering Transport Engineering, Web Engineering Vehicle Engineering

APPLIED SCIENCES

Artificial Intelligence, Architecture, Astronomy, Biological Sciences, Botany, Chemistry, Design, Earth Science, Ecology, Marine Science, Physics, Space Sciences, Life sciences, Computer Sciences, Logic, Mathematics, Statistics, Systems Science, Electrical Engineering, Information, Technology, Industrial Engineering, Mechanical Engineering, Applied Physics, Health Sciences and Medicine, Ceramic Engineering, Computing Technology, Electronics, Energy, Environmental Engineering Sciences, Engineering physics, Environmental Technology, Fisheries Science, Forestry Science, Materials Engineering Micro technology, Nanotechnology, Nuclear, Technology, Optics, Zoology Transportation

Conference Awards

Best Paper Awards

The Organizing Committee will select the best paper considering the recommendations of the Scientific Review Committee based on the relevance to the theme, academic contribution, accuracy of the methodology, clarity of contents.

Best Presentation Awards Sessions

The best presenter in each session will be selected considering the scientific quality, contents, time management, presentation style and level of interaction with the audience. The best presenter in each session will get a certificate.

Best Presentation Awards Students

These awards will be awarded the best presenters selected from the PhD or Master level students' presenters. The selection criteria will be scientific quality, contents, time management and presentation style.

Conference Schedule

International Conference on Engineering, Information Technology, Applied Sciences, Computer Software & Networking (EIACN)

The Federal Kuala Lumpur Malaysia
January 16-17, 2019

09: 00 am 09: 20 am	Registration and Reception
09: 20 am 09: 30 am	Opening ceremony
09:30 am 09: 45 am	Welcome Remarks
09: 45 am 10: 00 am	Tea Break

International Conference on Engineering, Information Technology, Applied Sciences, Computer Software & Networking (EIACN)

**Day 01: Wednesday
January 16, 2019**

Session 01: 10:00 am 11:30 am

Track A: Business, Management, Economics, Social Sciences & Humanities

Presenter Name: Ismail Abdullahi Elmi

Reference ID: BBEE-JAN-102

Paper Title: Role of ADR Practionioners on Business Regulation: A Focus on Somalia

Track B: Engineering, Technology, Computer & Applied Sciences

Presenter Name: Yin Rui

Reference ID: EAIBA-JAN19-CEAS101

Paper Title: BIM in Precast Construction: A Case Study Of Highrise Residential Building

Presenter Name: Ezeddin Sanam

Reference ID: EIACN-JAN-004

Paper Title: Tuning Physical Parameters for Enhanced Receiver Performance of Pulsed-Based Ultra-Wideband in Short Range Wireless Communications

Track C: Medical, Medicine & Health Sciences

Presenter Name: Abdul Halim Abdul Jalil

Reference ID:KUA-319-102M

Paper Title: BPersonalised Medicine Today: A Clinicians Perspective

Closing Ceremony & Lunch (11:30 am 12: 30 pm)



Conference Attendees

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

Participant Name: Malalage Kusala Ajanthi Peiris

Reference ID: KUA-319-101MA

Country: Australia

Participant Name: Fahd Alogaili

Reference ID: EIACN-JAN-009

Country: University of Malaya, Faculty of Computer Science, Information System Department Kuala Lumpur



International Conference on Engineering, Information Technology, Applied Sciences, Computer Software & Networking (EIACN)

**Day 02: Thursday
January 17, 2019**

Conference second day is reserved for participants own tourism activities.



Conference Abstracts

Track A: Business, Management, Economics, Social Sciences & Humanities



Role of Adr Practionioners on Business Regulation: A Focus on Somalia

Ismail Abdullahi Elmi ¹

International Islamic University Malaysia

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Despite being hit by more than three decades old anarchy, the Somali community developed a tangible and thriving businesses in everywhere they landed. In Somalia, the government is left with a trivial role in regulating business development while traditional mechanisms take a crucial part in safeguarding businesses and settling issues related to it. even though such informal actors contributed to enhancement of Somali commerce positively at some points, the weak and obsolete legal obligations in the country put wide range of risk and potential collapse at any time. Thus, well-grounded laws should be introduced and applied to the Somali business development so as to reduce risks and attract international investors to come. This paper discusses the existing business regulations in Somalia and suggests the necessity of introducing or updating the formal legal basis for businesses.

Index Terms: Business, Regulation, ADR, Somalia, Community-Regulatory



Conference Abstracts

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



BIM in Precast Construction: A Case Study Of Highrise Residential Building

Yin Rui¹, Lim Yaik-Wah²,

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Despite being hit by more than three decades old anarchy, the Somali community developed a tangible and thriving businesses in everywhere they landed. In Somalia, the government is left with a trivial role in regulating business development while traditional mechanisms take a crucial part in safeguarding businesses and settling issues related to it. even though such informal actors contributed to enhancement of Somali commerce positively at some points, the weak and obsolete legal obligations in the country put wide range of risk and potential collapse at any time. Thus, well-grounded laws should be introduced and applied to the Somali business development so as to reduce risks and attract international investors to come. This paper discusses the existing business regulations in Somalia and suggests the necessity of introducing or updating the formal legal basis for businesses.

Index Terms: Business, Regulation, ADR, Somalia, Community-Regulatory



Tuning Physical Parameters for Enhanced Receiver Performance of Pulsed-Based Ultra-Wideband in Short Range Wireless Communications

Ezeddin Sanam¹, Kamaruzzaman Seman², Mohd Zalisham Jali³

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One of the most interesting feature of the Pulse-based Ultra-wideband (UWB) technology is its high flexibility in term of the generated signal at the physical layer level. This feature combined with simple transceiver as it is almost digital communication structure allows this technology to be a good solution of different short-range wireless applications. This paper proposes enhancements on the receiver performance by tuning the most important physical parameters of the generated pulses as pulse modulations, and frame timing structure as these parameters are in great influences on the performance of the receiver. This performance can be described as the probability of the lost packet using signal to noise ratio in varied distances and data rate scenarios. The method used to validate the achievements of the enhancements of the receiver performance is usually defined as proposing a communication link of certain pulse-based wireless system where initially the physical parameters are set as reference parameters then the performance of the receiver measured. Consequently, tuning each parameter separately to determine the enhancements of the receiver performance in different data rates and distances. Results indicated that the performance can be enhanced significantly in term of the received signal errors for certain signal noise to power ratio with approximately up to 50% by tuning some physical parameters that have significant effects on received signal quality.



Track C: Medical Medicine & Health Sciences



Personalised Medicine Today: A Clinicians Perspective

Abdul Halim Abdul Jalil*

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Medicine has always been an art. Science and economics have increasingly influenced the trend of health care programs. But health care professionals today need to be cognisant of the global reality (unprecedented pollution of our ecosystems) that are affecting population health. We have foods tainted with xenobiotics, macro and micronutrient deficiencies, toxins and endocrine disruptive chemicals which affect cellular/molecular pathways in ways that are still not fully understood. Promotion of health in a population requires efforts of leaders not only in the healthcare sector but also in the political, socio-economic, education, environmental sectors, mass media and non governmental organisations. We need unifying goals to avoid and control unmitigated environmental degradation which now is rightly of global concern. Conventional medicine emphasises on evidence based treatment. However it treats symptoms and diseases and not finding the cure. Nutritional, environmental, psychospiritual and mind-body domains are largely ignored. Much has been learnt of the effects on the human genome by the myriad of environmental, lifestyle and psychospiritual factors in producing disease. There are gaps in the delivery of effective care for the developmental/behavioural problems of childhood, genetic and chromosomal problems, chronic neurodegenerative, metabolic, immunological disorders and cancers in conventional medicine. Every patient has its own genomic profile which responds differently to the various environmental signals. The speaker will present his experience and highlight the integrative personalised treatment protocol which include attention to microbiome, nutrients, detoxification, energetics, lifestyle, environmental and psychospiritual factors in influencing phenotypic expression through epigenetic mechanisms. The landscape of medicine today has moved into systems (bio) medicine. Advanced technologies are available to study molecular dysregulations from the perspective of systems biology, investigate disease progression and effects of any therapeutic interventions. Biomarkers indicating measurable transition points between wellness and diseases can in future be available. The medical school curriculum must now incorporate concepts of systems biology and nutritional interventions to prepare doctors for their role in providing personalised care for their patients.

Index Terms: Personalised, Clinicians Perspective



Upcoming Events

<http://aet-forum.com/adedas-feb-2019/>

<http://aet-forum.com/prada-feb-2019/>

<http://aet-forum.com/cbeia-march-2019/>

<http://aet-forum.com/iecaet-march-2019/>

<http://aet-forum.com/iaib-april-2019/>

<http://aet-forum.com/spps-april-2019/>

<http://aet-forum.com/snait-may-2019/>

<http://aet-forum.com/teese-may-2019/>

<http://aet-forum.com/sisa-june-2019/>

<http://aet-forum.com/ctsam-june-2019/>

<http://aet-forum.com/eeee-august-2019/>

<http://aet-forum.com/tiac-august-2019/>

<http://aet-forum.com/cean-september-2019/>

