

# AKRAM M Z M KHEDHER



- KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY
- IIUM Gombak Campus
- Email address: [akramzeki@iium.edu.my](mailto:akramzeki@iium.edu.my)

## ACADEMIC QUALIFICATION

- Doctor of Philosophy in Computer Science
- Master of Science in Computer Imaging
- Bachelor of Science in Physics

## TEACHING RESPONSIBILITIES

COMPUTER MEDIATED COMMUNICATION	2015/2016 2016/2017 2017/2018 2018/2019 2020/2021
CRITICAL INFRASTRUCTURE MANAGEMENT	2013/2014
DATABASE SYSTEMS I	2011/2012
DIGITAL MEDIA AND COMMUNICATION	2015/2016 2017/2018
FINAL YEAR PROJECT 1	2017/2018
FINAL YEAR PROJECT I	2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2019/2020 2020/2021
FINAL YEAR PROJECT II	2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2019/2020 2020/2021
INDUSTRIAL ATTACHMENT	2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017
INFORMATION RESOURCE AND STRATEGY MANAGEMENT	2018/2019 2019/2020
INFORMATION RESOURCES AND STRATEGY MANAGEMENT	2020/2021
INFORMATION RETRIEVAL TECHNOLOGIES	2015/2016 2016/2017 2017/2018 2018/2019 2019/2020
INFORMATION SECURITY	2009/2010 2010/2011 2011/2012 2012/2013
INFORMATION SECURITY STRATEGY & POLICY	2015/2016
INFORMATION TECHNOLOGY	2008/2009 2009/2010
INTERNET APPLICATIONS	2007/2008 2008/2009 2010/2011 2013/2014 2014/2015

INTRODUCTION COMPUTER NETWORKING (NON ICT)	2012/2013 2014/2015
INTRODUCTION TO COMPUTER NETWORKING (NON - ICT)	2013/2014 2014/2015 2016/2017
MANAGEMENT INFORMATION SYSTEM	2016/2017 2017/2018
MANAGEMENT OF INFORMATION SECURITY	2017/2018 2018/2019 2019/2020 2020/2021
MULTIMEDIA TECHNOLOGY	2009/2010 2010/2011 2012/2013 2013/2014 2014/2015
PHYSICAL PROTECTIVE SECURITY	2020/2021
PRACTICAL TRAINING	2009/2010 2010/2011
PROJECT MANAGEMENT IN IT	2013/2014
RISK MANAGEMENT	2016/2017
WEB PROGRAMMING I	2011/2012

## RESEARCH PROJECTS

### In Progress

<b>2018 - Present</b>	Novel Over-sampling Methods for Classification of Imbalanced Quranic Topics
<b>2017 - Present</b>	SPEECH RECOGNITION FOR ARABIC LANGUAGE
<b>2015 - Present</b>	Semantic Body of Knowledge and Testing (SBKT)
<b>2015 - Present</b>	ESTABLISHMENT OF THE SEMANTIC BODY OF KNOWLEDGE AND TECHNOLOGY
<b>2008 - Present</b>	Intelligent Cyberspace Security

### Completed

<b>2016 - 2018</b>	A New Model for Social Media Use for Active Collaborative Learning
<b>2016 - 2018</b>	Analyzing Postgraduate Theses and Dissertations in Selected Islamic Revealed Knowledge Department: A Critical and Objective Study
<b>2015 - 2019</b>	A Model for Assessing IT Readiness in Organizations for Successful Business Intelligence Systems
<b>2015 - 2018</b>	An Enhanced Centralized Multi-Nodal Model Associated with Congested Network Environment

- 2015 - 2016** ?Flood Trauma: The Role of Islamic Religious Education in Shaping Personality Well-being?
- 2014 - 2016** Glossary of Term of Exegesis and Sciences of the Qur'an
- 2014 - 2016** Glossary of Term of Exegesis and Sciences of the Qur'an
- 2013 - 2018** Voice Recognition Model for Recitation of the Holy Quran
- 2013 - 2013** An Interactive Computer Program to Teach Arabic Voices for Non-Native Speakers
- 2013 - 2015** Multimedia Technology from Islamic Perspective
- 2013 - 2016** Subjective Assessment Model of the Quranic Audio Watermarking
- 2012 - 2015** Multicast Network Security using Quantum Key Distribution (QKD)
- 2012 - 2015** A New Spatial Domain Watermarking Technique Based On Multiple Intermediate Significant Bits
- 2012 - 2016** Self-Help Maqam-Based Search System
- 2011 - 2011** An Analytical Evaluation of Multimedia Tools in Islamic Websites
- 2011 - 2012** Mobile Hajj Dictionary (Arabic, Malay and English Based)
- 2010 - 2012** The use of Digital Watermarking to protect Quran & Sunna
- 2010 - 2011** Justification of Voice Recognition Systems, Quranic case of Study
- 2009 - 2011** Comparative Study of Different Steganographic Techniques

## PUBLICATIONS

### Article

- 2020** [Linear and nonlinear stochastic distribution for consensus problem in multi-agent systems.](#) Linear and nonlinear stochastic distribution for consensus problem in multi-agent systems , 32 (1) pp.261-277
- 2020** [Classification of Holy Quran verses based on imbalanced learning.](#) International Journal on Islamic Applications in Computer Science And Technology , 8 (2) pp.11-24
- 2020** [Environmental monitoring and disease detection of plants in smart greenhouse using Internet of Things.](#) Journal of Physics Communications , xx (xx) pp.1-12
- 2019** [Speaker identification based on hybrid feature extraction techniques.](#) International Journal of Advanced Computer Science and Applications , 10 (3) pp.322-327
- 2019** [Massive Open Online Courses \(MOOCs\): data on higher education.](#) Data in Brief , 22 pp.118-125

- 2019** [Towards adaptive e-learning among university students: by Applying Technology Acceptance Model \(TAM\).](#) International Journal of Engineering and Advanced Technology , 8 (6S3) pp.270-276
- 2019** [Quranic motivation toward modern approach for e-Da'wah.](#) Quranica: International Journal of Islamic Research , 11 (2) pp.53-83
- 2018** [Critical factors influencing effective of ICT resources and capabilities.](#) Journal of Theoretical and Applied Information Technology , 96 (6) pp.1633 -1646
- 2018** [أسماء التفضيل في القرآن الكريم والحديث النبوي الشريف - دراسة دلالية The names of preference in the Quran and Hadith - Semantic Study.](#) International Journal of Islamic Applications in Computer Science and Technology - Ijaza
- 2018** [Impact of Quran in treatment of the psychological disorder and spiritual illness.](#) Journal of Religion and Health pp.1-14
- 2018** [Quranic sign language for deaf people: Quranic recitation classification and verification.](#) International Journal on Perceptive and Cognitive Computing , 4 (1) pp.8-12
- 2018** [Nonlinear convergence algorithm: structural properties with doubly stochastic quadratic operators for multi-agent systems.](#) Journal of Artificial Intelligence and Soft Computing Research , 8 (1) pp.49-61
- 2018** [Regularization-based multi-frame super-resolution: A systematic review.](#) Journal of King Saud University - Computer and Information Sciences
- 2017** [Dynamics of watermark position in audio watermarked files using neural networks.](#) Applied Mathematics & Information Sciences , 11 (3) pp.703-715
- 2017** [Necessary and sufficient conditions for complementary stochastic quadratic operators of finite-dimensional simplex.](#) Journal of Computing and Mathematical Sciences , 1 (1 (Jan-June 2017)) pp.22-27
- 2017** [Social media use, collaborative learning and students' academic performance: a systematic literature review of theoretical models.](#) Journal of Theoretical and Applied Information Technology , 95 (20) pp.5399-5414
- 2017** [The impact of using social media for teaching and learning in post-secondary institutes.](#) The Anthropologist , 29 (1) pp.8-18
- 2017** [Advances in teaching and learning on facebook in higher institutions.](#) IEEE ACCESS , 5 pp.480-500
- 2017** [A review on soft set-based parameter reduction and decision making.](#) IEEE ACCESS , 5 pp.4671-4689
- 2017** [The dynamics of data packet in transmission session.](#) IEEE ACCESS , 5 pp.4329-4339
- 2017** [A model of using social media for collaborative learning to enhance learners' performance on learning.](#) Journal of King Saud University - Computer and Information Sciences , 29 (4) pp.526-535
- 2017** [Information technology usage in the Islamic perspective: a systematic literature review.](#) The Anthropologist , 29 (1) pp.27-41

- 2017** [Online banking information systems acceptance: an empirical examination of system characteristics and web security.](#) Information Systems Management , 34 (1) pp.50-64
- 2017** [PSW statistical LSB image steganalysis.](#) Multimedia Tools and Applications , 77 (1) pp.805-835
- 2017** [Social media and its impact on academic performance among university students.](#) The Anthropologist , 28 (1-2) pp.52-68
- 2017** [Reach a nonlinear consensus for MAS via doubly stochastic quadratic operators.](#) International Journal of Control , 90 (7) pp.1-29
- 2017** [An overview and proposal for analysis of the effectiveness of human factors in Dubai e-banking system.](#) Journal of Internet Banking and Commerce , 22 (Special Issue-S8) pp.1-14
- 2017** [Integrated modalities search framework for digital english language text Holy Qur'an and Tafsir.](#) International Journal on Islamic Applications in Computer Science And Technology , 5 (2) pp.26-36
- 2016** [Arabic text classification: Review study.](#) Journal of Engineering and Applied Science , 11 (3) pp.528-536
- 2016** [The most principle security issues in e-Commerce.](#) International Journal of Scientific and Research Publications , 5 (12) pp.556-560
- 2016** [Utilising key climate element variability for the prediction of future climate change using a support vector machine model.](#) International Journal of Global Warming , 9 (2) pp.129-151
- 2016** [Edward Snowden disclosures turn the fears of surveillance into reality: the impact and transformation in information security.](#) Journal of Theoretical and Applied Information Technology , 83 (2) pp.173-179
- 2016** [ICT readiness and information security policies in OIC Countries.](#) International Journal of Scientific and Research Publications , 6 (1) pp.58-61
- 2016** [Attitude of students towards information access issues: The case of International Islamic University Malaysia.](#) International Journal of Soft Computing , 11 (4) pp.236-241
- 2016** [Dynamics of doubly stochastic quadratic operators on a finite-dimensional simplex.](#) Open Mathematics , 14 (1) pp.509-519
- 2016** [An intermediate significant bit \(ISB\) watermarking technique using neural networks.](#) SpringerPlus , 5 (1) pp.868-1-868-25
- 2016** [A finite state model for a self-help system based on minhaj 'al Abidin.](#) Research Journal of Applied Sciences , 11 (6) pp.345-351
- 2015** [Formal analysis of weighted longitudinal routers network via scale-free network: a case study.](#) Journal of Theoretical and Applied Information Technology , 80 (2) pp.257-265
- 2015** [How technology affected our privacy.](#) International Journal of Science and Research (IJSR) , 4 (12) pp.406-410

- 2015** [Security issues with health care information technology.](#) International Journal of Science and Research (IJSR) , 4 (12) pp.1021-1024
- 2015** [Visualisation of a three-dimensional \(3D\) object's optimal reality in a 3D map on a mobile device.](#) Applied Mathematics & Information Sciences , 9 (6) pp.3133-3145
- 2015** [QoS amendment toward seamless handover in network mobility NEMO.](#) ARPN Journal of Engineering and Applied Sciences , 10 (21) pp.9698-9709
- 2015** ["مشروع برنامج للتويب الشامل والمفصل لعلوم القرآن والتفسير" سورة الحجرات نموذجًا = Mashru' barnamij lil-tabwib al-shamil al-mufassal li-'ulum al-Qur'an wa-al-tafsir "surah al-Hujrat namudhajan.](#) al-Majallat al-Dauliyah lil-Buhuth al-Islamiyah wa-al-Insaniyah al-Mutaqaddimah , 5 (10) pp.1-18
- 2015** [An unsupevised package for multi-spectral image processing for remote data.](#) Journal of Advanced Computer Science and Technology Research (JACSTR) , 5 (4) pp.113-122
- 2015** [Web assisted language learning system for enhancing Arabic language learning using cognates.](#) Jurnal Teknologi , 77 (19) pp.107-112
- 2015** [Mini-ATX Computer System in Vehicle.](#) Advanced Materials Research , 1115 pp.484-487
- 2014** [Performance analysis of HRO-B+ scheme for the nested mobile networks using OPNet.](#) Journal of Technology , 4 pp.174-191
- 2014** [Developing a solar calculator system.](#) Advanced Materials Research , 980 pp.179-183
- 2014** [Cryptanalytic attacks on Rivest, Shamir, and Adleman \(RSA\) cryptosystem: issues and challenges.](#) Journal of Theoretical and Applied Information Technology , 61 (1) pp.37-43
- 2014** [Empirical investigation of visualization quality for three-dimensional \(3d\) objects of 3d map on mobile device for navigation aid .](#) Journal of Theoretical and Applied Information Technology , 63 (2) pp.372-380
- 2014** [My E-Mosque system: an Islamic android companion.](#) International Journal on Islamic Applications in Computer Science And Technology , 2 (2) pp.30-37
- 2014** [Subjective assessment of audio watermarked quran.](#) Ulum Islamiyyah - The Malaysian Journal of Islamic Sciences , 13 (Sp. ed) pp.75-90
- 2014** [Online databases on Quranic handwritten words.](#) Journal of Theoretical and Applied Information Technology , 62 (2) pp.485-492
- 2014** [The state of online audio qur'an and its public perception.](#) International Journal on Islamic Applications in Computer Science And Technology , 2 (4) pp.23-34
- 2013** [Visual interactive Islamic learning system for children.](#) International Journal on Islamic Applications in Computer Science And Technology , 1 (3) pp.17-23
- 2013** [High Watermarking Image Quality Based on Dual Intermediate Significant Bit \(DISB\).](#) International Journal of Digital Content Technology and its Applications , 7 (5) pp.733-742

- 2013** [Assessing issues of change impact analysis process for a software projects.](#) World Applied Sciences Journal , 28 (10) pp.1366-1374
- 2013** [Analytical evaluation of a new route pptimization scheme for nested mobile network.](#) World Applied Sciences Journal (21) pp.16-20
- 2012** [Analysis of Islamic website design.](#) International Journal of Arab Culture, Management and Sustainable Development , 2 (4) pp.309-317
- 2012** [Analytical evaluation of a new route optimization scheme for nested mobile network.](#) World Applied Sciences Journal pp.16-20
- 2011** [High watermarking capacity based on spatial domain technique.](#) Information Technology Journal , 10 (7) pp.1367-1373
- 2011** [Distortion-free embedding in the optic disk of retina fundus images using complex-valued neural network.](#) World Applied Sciences Journal , 13 (6) pp.1295-1301
- 2011** [Forgery detection in medical images using Complex Valued Neural Network \(CVNN\).](#) Australian Journal of Basic and Applied Sciences , 5 (7) pp.1251-1264
- 2011** [A robust watermark embedding in smooth areas.](#) Research Journal of Information Technology , 3 (2) pp.123-131
- 2011** [ISB watermarking embedding: block based model.](#) Information Technology Journal , 10 (4) pp.841-848
- 2011** [Determining watermark embedding strength using complex valued neural network.](#) Journal of Applied Sciences , 11 (16) pp.2907-2915
- 2011** [Frequencies determination of characters for Bahasa Melayu: results of preliminary investigation .](#) Procedia - Social and Behavioral Sciences , 27 pp.233-240
- 2010** [The Integration of GPS Navigator Device with Vehicles Tracking System for Rental Cars Firms.](#) International Journal of Computer Science and Information Security , 8 (6) pp.47-51
- 2010** [Watermaking technique based on ISB \(Intermediate Significant Bit\).](#) pp.41
- 2009** [An artificial-intelligence-based approach for audio steganography.](#) MASAUM Journal of Open in Science and Engineering , 1 (1) pp.64-68
- 2009** [A novel digital watermarking technique based on ISB \(Intermediate Significant Bit\).](#) World Academy of Science, Engineering and Technology , 50 pp.989-996
- 2009** [A genetic-algorithm-based approach for audio steganography.](#) World Academy of Science, Engineering and Technology , 54 pp.360-363

#### **Conference or Workshop Item**

- 2020** [Correlation between speaker gender and perceptual quality of mobile speech signal.](#) In: **14th International Conference on Ubiquitous Information Management and Communication (IMCOM 2020)**
- 2020** [A framework assessing the effect of user emotions on touch gesture behavioural biometric authentication.](#) In: **2019 6th IEEE International Conference on Engineering Technologies and Applied Sciences (ICETAS)**

- 2019 [Multi-frame super-resolution: a survey.](#) In: **2018 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC)**
- 2018 [تقنية المعلومات وأخلاق المهنة.](#) In: **3rd International Social Science Conference: Islamic Thought & Understanding (ISSCITU 2018)**
- 2018 [Knowing what you know about your faith an interactive application for measuring your faith in Islam.](#) In: **International Conference on Information and Communication Technology for the Muslim World, ICT4M 2018**
- 2018 [Software defined-network for real-time operations of business intelligence tasks.](#) In: **International Conference on Business, Humanities and Education (ICBHE 2018)**
- 2018 [Information-based interactive services and support system.](#) In: **2017 IEEE Conference on Systems, Process and Control (ICSPC 2017)**
- 2018 [Speaker identification based on curvlet transform technique.](#) In: **3rd International Conference on Computing, Engineering, and Design, ICCED 2017**
- 2017 [Isolated Iqlab checking rules based on speech recognition system.](#) In: **2017 8th International Conference on Information Technology (ICIT)**
- 2017 [Successful business intelligence system for SME: An analytical study in Malaysia.](#) In: **International Research and Innovation Summit (IRIS2017)**
- 2017 [The trend of business intelligence adoption and maturity.](#) In: **2nd International Conference on Computer Science and Engineering**
- 2017 [Comments and improvements of "HOTA: Handover optimized ticketbased authentication in networkbased mobility management".](#) In: **20th Conference on Innovations in Clouds, Internet and Networks (ICIN)**
- 2017 [Attitude towards information property rights among students : The case of International Islamic University Malaysia.](#) In: **2016 4th International Conference on User Science and Engineering (i-USER)**
- 2017 [Holy Qur'an speech recognition system Imaalah checking rule for warsh recitation.](#) In: **IEEE 13th International Colloquium on Signal Processing & its Application (CSPA 2017)**
- 2016 [Performance comparison of \(Diff-FH NEMO\) scheme in IPv6-based network mobility.](#) In: **6th International Conference on Computer and Communication Engineering (ICCCE 2016)**
- 2016 [Determining the state of truthfulness and falsehood by analyzing the acquired EEG signals.](#) In: **12th IEEE International Colloquium on Signal Processing and its Applications, CSPA 2016**
- 2016 [Impersonate affecting users' attitude toward facebook in Egypt.](#) In: **2015 4th International Conference on Advanced Computer Science Applications and Technologies (ACSAT 2015)**
- 2016 [Attitude towards information privacy issues among students of IIUM.](#) In: **2015 4th International Conference on Advanced Computer Science Applications and Technologies (ACSAT 2015)**



- 2016 [The mediating effect of teamwork toward organizational readiness for Business Intelligence \(BI\) implementation.](#) In: **2015 4th International Conference on Advanced Computer Science Applications and Technologies (ACSAT 2015)**
- 2016 [The extreme doubly stochastic quadratic operators on two dimensional simplex.](#) In: **2015 4th International Conference on Advanced Computer Science Applications and Technologies (ACSAT 2015)**
- 2016 [Evaluation of users' awareness and their reaction on information security.](#) In: **2015 4th International Conference on Advanced Computer Science Applications and Technologies (ACSAT 2015)**
- 2016 [Web users' knowledge and their behavior towards security threats and vulnerabilities.](#) In: **2015 4th International Conference on Advanced Computer Science Applications and Technologies (ACSAT 2015)**
- 2016 [Variable size of blocks for embedding watermark images using LSB technique.](#) In: **6th International Conference on Digital Information Processing and Communications, ICDIPC 2016**
- 2016 [The convergence consensus of multi-agent systems controlled via doubly stochastic quadratic operators.](#) In: **1st International Symposium on Agents, Multi-Agent Systems and Robotics, ISAMSR 2015**
- 2016 [Web user' knowledge and their behavior towards security threats and vulnerabilities.](#) In: **4th International Conference on Advanced Computer Science Applications and Technologies, ACSAT 2015**
- 2016 [Developing mobile E-groceries model.](#) In: **2015 4th International Conference on Advanced Computer Science Applications and Technologies (ACSAT 2015)**
- 2016 [Least Significant Bit \(LSB\) and Random Right Circular Shift \(RRCF\) in digital watermarking.](#) In: **2016 12th International Computer Engineering Conference (ICENCO)**
- 2016 [Security failures in EMV smart card payment systems.](#) In: **6th International Conference on Information and Communication Technology for the Muslim World (ICT4M 2016)**
- 2016 [An appraisal of online audio Qur'an as a new media tool for civilization.](#) In: **1st International Conference on Computing, Control, Networking, Electronics and Embedded Systems Engineering, 2015**
- 2015 [Dynamic batch rekeying scheme using multiple logical key trees for secure multicast communication.](#) In: **2015 International Conference on Computing, Control, Networking, Electronics and Embedded Systems Engineering (ICCCNEE 2015)**
- 2015 [الدراسات المعجمة ومنهج التعامل مع المصطلح القرآني](#). In: **المؤتمر القرآني الدولي السنوي (Muqaddas V) 2015**
- 2015 [الدراسات المعجمة ومنهج التعامل مع المصطلح القرآني = Methods on dealing with the Quranic terms.](#) In: **The 5th Annual International Qur'anic Conference 2015 (MUQADDAS V)**

- 2015 [Users' awareness of and perception on information security issues: a case study of kulliyah of ICT postgraduate students.](#) In: **3rd International Conference on Advanced Computer Science Applications and Technologies (ACSAT 2014)**
- 2015 [Investigating the empirical relation and importance of perceived usefulness, perceived ease of use and intention to use online information resources for evidence based medicine.](#) In: **2014 International Conference on Computer Assisted System in Health (CASH)**
- 2014 [The influence of students' knowledge on security towards their behavior with security risks within the context of Saudi Arabia.](#) In: **2013 International Conference on Advanced Computer Science Applications and Technologies (ACSAT)**
- 2014 [Perceptions of library and information science community towards open source software adoption in libraries of Oman.](#) In: **The 5th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [A new robust image watermarking method using Dual intermediate significant bits.](#) In: **4th International Conference on Control System and Computing and Engineering (ICCSCE 2014)**
- 2014 [Mini-ATX computer system in vehicle.](#) In: **International Conference on Advances in Manufacturing and Materials Engineering**
- 2014 [Comparing performances of Markov Blanket and Tree Augmented Naïve-Bayes on the IRIS dataset.](#) In: **International MultiConference of Engineers and Computer Scientists 2014 (IMECS 2014)**
- 2014 [Performance analysis of cloud-based cve communication architecture in comparison with the traditional client server, p2p and hybrid models.](#) In: **5th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [Investigating how the sources of online audio Qur'an empower listeners.](#) In: **The 5th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [Project dimension as a readiness factor toward business intelligent systems.](#) In: **3rd International Conference on Computer Engineering & Mathematical Sciences (ICCEMS 2014)**
- 2014 [Personal learning environment framework for a self-help Magam-based search system.](#) In: **The 5th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [Automatic face reconstruction system.](#) In: **2014 6th International Conference on Computer Science and Information Technology (CSIT)**
- 2014 [Robust image watermarking based on Dual Intermediate Significant Bit \(DISB\).](#) In: **2014 6th International Conference on Computer Science and Information Technology (CSIT)**
- 2014 [Exploring the challenges of MP3 audio steganography.](#) In: **2nd International Conference on Advanced Computer Science Applications and Technologies (ACSAT2013)**

- 2014 [Orthogonal wavelet support vector machine for predicting crude oil prices.](#) In: **1st International Conference on Advanced Data and Information Engineering (DaEng 2013)**
- 2014 [The important dimensions for assessing organizations' readiness toward business intelligence systems from the perspective of Malaysian organization.](#) In: **2013 International Conference on Advanced Computer Science Applications and Technologies ACSAT 2013**
- 2014 [3D animation as an alternative mean of da'wah for children.](#) In: **5th International Conference on Information and Communication Technology for the Muslim World, ICT4M 2014**
- 2014 [Online recognition system for handwritten Arabic chemical symbols.](#) In: **5th International Conference on Computer and Communication Engineering (ICCCE 2014)**
- 2014 [التكنولوجيا وأزمة اللغة العربية بين التهميش والانتشار.](#) In: **المؤتمر الدولي الثالث للغة العربية**
- 2014 [Online recognition system for handwritten Hindi digits based on matching alignment algorithm.](#) In: **2014 3rd International Conference on Advanced Computer Science Applications and Technologies**
- 2014 [Management dimension for assessing organizations' readiness toward business intelligence systems.](#) In: **Advanced Computer Science Applications and Technologies (ACSAT), 2014 3rd International Conference**
- 2014 [Arabic-Malay cognates as a computer assisted language learning.](#) In: **2014 3rd International Conference on Advanced Computer Science Applications and Technologies**
- 2014 [Career guidance and employment management system.](#) In: **2014 3rd International Conference on Advanced Computer Science Applications and Technologies**
- 2014 [Investigating rendering speed and download rate of three-dimension \(3D\) mobile map intended for navigation aid using genetic algorithm.](#) In: **The First International Conference on Soft Computing and Data Mining (SCDM-2014)**
- 2014 [Robust image watermarking scheme by discrete wavelet transform.](#) In: **5th International Conference on Computer and Communication Engineering (ICCCE 2014)**
- 2013 [Online recognition system for handwritten Arabic mathematical symbols.](#) In: **2013 International Conference on Advanced Computer Science Applications and Technologies (ACSAT)**
- 2013 [The important dimensions for assessing organization's readiness toward business intelligence systems from the perspective of Malaysian organization.](#) In: **2013 International Conference on Advanced Computer Science Applications and Technologies (ACSAT)**
- 2013 [Trade-off between robustness, and quality based on dual intermediate significant bits.](#) In: **2013 International Conference on Advanced Computer Science Applications and Technologies (ACSAT)**

- 2013 [Similarities and dissimilarities between character frequencies of written text of Melayu, English and Indonesian languages](#) . In: **2103 International Conference of Advanced Computer Science Applications and Technologies (ACSAT)**
- 2013 [Problems of writing on digital surfaces in online handwriting recognition systems](#). In: **5th International Conference on Information and Communication Technology for the Muslim World**.
- 2013 [Feature extraction techniques of online handwriting arabic text recognition](#). In: **5th International Conference on Information and Communication Technology for the Muslim World**
- 2013 [Properties of digital image watermarking](#). In: **IEEE 9th International Colloquium on Signal Processing and its Applications**
- 2013 [Optimizing three-dimensional \(3D\) map view on mobile devices as navigation aids using artificial neural network](#). In: **2013 International Conference on Advanced Computer Science Applications and Technologies (ACSAT)**
- 2013 [3D mobile map visualization concept for remote rendered dataset](#). In: **2nd International Conference on Advanced Computer Science Applications and Technologies (ACSAT2013)**
- 2013 [Investigating digital watermark dynamics on carrier file by feed-forward neural network](#). In: **2nd International Conference on Advanced Computer Science Applications and Technologies (ACSAT2013)**
- 2013 [Feature extraction techniques of online handwriting arabic text recognition](#). In: **The 4th International Conference on Information & Communication Technology for the Muslim World (ICT4M)**
- 2013 [Automatic interactive security monitoring system](#). In: **2013 International Conference on Research and Innovation in Information Systems (ICRIIS)**
- 2013 [Co - active neuro-fuzzy inference systems model for predicting crude oil price based on OECD inventories](#). In: **3rd International Conference on Research and Innovation in Information Systems - 2013 (ICRIIS'13)**
- 2013 [Investigating the dynamics of watermark features in audio streams](#). In: **2013 IEEE Symposium on Industrial Electronics & Applications (ISIEA)**
- 2013 [Intelligent system for predicting the price of natural gas based on non-oil commodities](#). In: **2013 IEEE Symposium on Industrial Electronics & Applications (ISIEA2013)**
- 2013 [Comparison of empirical indoor propagation models for 4G wireless networks at 2.6 GHz](#). In: **International Conference on Control, Engineering & Information Technology (CEIT2013)**
- 2012 [Route optimization scenario of a new scheme based on nested mobile network](#). In: **International Conference on Computer and Communication Engineering (ICCCE 2012)**
- 2012 [Recognition techniques for online Arabic handwriting recognition systems](#). In: **International Conference on Advanced Computer Science Applications and Technologies (ACSAT2012)**

- 2012 [Novel mechanism to improve Hadith classifier performance.](#) In: **International Conference on Advanced Computer Science Applications and Technologies**
- 2012 [Digital image watermarking, analysis of current methods.](#) In: **International Conference on Advanced Computer Science Applications and Technologies**
- 2012 [Web-based conference management system for higher learning institutions.](#) In: **International Conference on Advanced Computer Science Applications and Technologies**
- 2012 [Image recognition technique of road tax sticker in Malaysia.](#) In: **International Conference on Advanced Computer Science Applications and Technologies**
- 2012 [Manpower model for human resource planning management.](#) In: **International Conference on Advanced Computer Science Applications and Technologies**
- 2012 [High image quality watermarking model by using genetic algorithm.](#) In: **International Conference on Advanced Computer Science Applications and Technologies**
- 2012 [Assessing organizations readiness toward business intelligence systems: a proposed hypothesized model.](#) In: **International Conference on Advanced Computer Science Applications and Technologies**
- 2012 [Improving knowledge extraction of Hadith classifier using decision tree algorithm.](#) In: **International Conference on Information Retrieval & Knowledge Management (CAMP), 2012**
- 2012 [Protection of integrity and ownership of pdf documents using invisible signature.](#) In: **14th International Conference on Computer Modelling and Simulation (UKSim)**
- 2012 [Digital watermarking: A counterfeiting and piracy deterrence.](#) In: **The 3rd International Conference on Cryptology & Computer Security 2012 (Cryptology2012)**
- 2012 [Analytical evaluation of a new route optimization scheme for nested mobile network .](#) In: **2nd International Conference on Mathematical Applications in Engineering (ICMAE'10)**
- 2012 [A framework of a route optimization scheme for nested mobile network.](#) In: **19th International Conference on Neural Information Processing (ICONIP 2012)**
- 2012 [A mobile dictionary for pilgrims.](#) In: **2012 International Conference on Information Technology and e-Services**
- 2011 [Analysis of ISB watermarking model : block based methods vs Embedding repetition methods.](#) In: **The 9th International Conference on Advances in Mobile Computing & Multimedia (MoMM 2011)**
- 2011 [Analysis of ISB watermarking model: Block based methods vs embedding repetition methods.](#) In: **The 9th International Conference on Advances in Mobile Computing & Multimedia (MoMM 2011)**

- 2011 [Human capital business partner information technology and network technology manpower model.](#) In: **International Conference on Research and Innovation in Information Systems (ICRIIS 2011)**
- 2011 [Tropical crops advisory selection system.](#) In: **International Conference on Research and Innovation in Information Systems (ICRIIS 2011)**
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