



# ***1<sup>st</sup> Annual International Conference on Information and Sciences***

***(AICIS 2018)***

**Fallujah, Anbar-Iraq**

**20-21 November, 2018**

***Organized by***

*University of Fallujah, Iraq*

***Conference Chair***

*Prof. Dr. Mohammed Affan Alhamdany*

***Conference Co-Chair 1***

*Prof. Hamid M.K. Al-Naimiy*

***Conference Co-Chair 2***

*Prof. Rami Hikmat Al-Hadithi*



## Conference Publications

### ➤ Proceedings Publication

Accepted papers will be published by the **Conference Publishing Services (CPS)** and will be submitted to the **IEEE Computer Society (CSDL)** digital libraries. The proceedings are also submitted for indexing through **SCOPUS, IEE INSPEC, EI (Compendex), Thomson ISI**, and other indexing services.

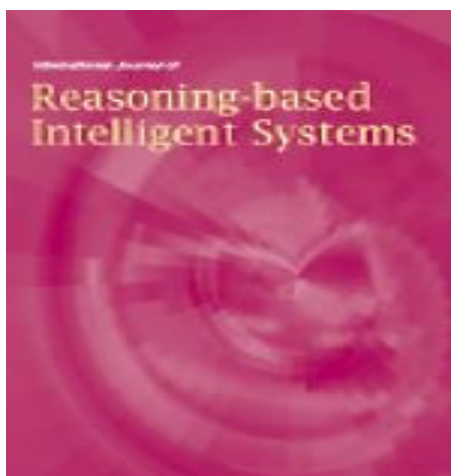
- **IEEE-Conference Record #46152**

### ➤ Journal Special Issues :

- 1- International Journal of Advanced Pervasive and Ubiquitous Computing (IJAPUC)



- 2- Int. J. of Reasoning-based Intelligent Systems



➤ **World Researchers Associations Publisher (Biotechnology Workshop)**



1- Research Journal of Biotechnology



2- Research Journal of Chemistry and Environment

➤ **4- Journal of Physics: Conference Series (Workshop Physics)**





## Conference Program Agenda (General Map) - 1<sup>st</sup> Day

Tuesday, Nov. 20-2018

Venue: Baghdad, Babylon Hotel Date: Nov., Tuesday 20, 2018				
8:00-9:30	Registration			
9:30-10:40 Gilgamesh Hall	<ul style="list-style-type: none"> <li>- Opening Ceremony</li> <li>- Art Activities</li> </ul>			
10:40-11:30	<b>Keynote Speech I</b> (Gilgamesh Hall) <i>Prof. Badrul H. Khan (PhD) - USA</i>			
11:30-12:10	<b>Keynote Speech II</b> (Gilgamesh Hall) <i>Prof. Roumiana Kountcheva (PhD) – Bulgaria</i>			
12:10-1:00	Coffee Break, Art Gallery			
	Parallel Sessions ( <b>Scientific Activities Included</b> )			
<b>Hall Names</b>	Gilgamesh Hall	Al Furat Hall	Enlil Hall	Baghdad Hall
<b>Time Duration</b> 01:00-04:00	AICIS accepted Papers	Physics Work- shop Accepted Papers	Biotechnology Workshop accepted papers I	Biotechnology Workshop accepted papers II

## 2<sup>nd</sup> Day -Wednesday, Nov. 21-2018

Venue: University of Fallujah Main Campus Floor Date: November, Wednesday, 21, 2018				
8:00-9:30	Registration			
9:30-10:05	- Opening Ceremony, Fallujah Mayoralty Main Building			
10:05-10:40 Central Hall	<b>Keynote Speech I</b> <i>Prof. Dhiya Al-Jumaily (PhD) - UK</i>			
10:40-11:10	<b>Keynote Speech II</b> <i>Prof. Rafid Al-Kadhar (PhD) - UK</i>			
11:10-11:40	<b>Keynote Speech III</b> <i>Prof. Muthanna Shanshal (PhD) - Iraq</i>			
11:40-12:40	Coffee Break ,Art Gallery			
12:40-200	Exhibits			
02:00 -04:00	Parallel Sessions ( <b>Scientific Activities</b> )			
<b>Place</b>	El-Kendi Hall	El-Razi Hall	Ibn El-Baytar Hall	Ibn Hayan Hall
<b>UoF Medical School Building</b>	Bio. Work- shop I	Bio. Workshop II	Physics Workshop	AICIS'18



### **Third Day**

**Thursday, Nov. 22-2018**

Venue: Baghdad Date: November, Thursday, 22, 2018 Baghdad Tour	
10:00-1:00	Site visit to Iraqi National Museum
01:00-3:00	Site visit to Al-Hikma House with Break
	A Lecture on Iraq Sociocultural Life

#### **Short Description about Venue Tour:**

**Iraqi National Museum:** is a museum located in Baghdad, Iraq. Also known as the Iraq Museum, it contains precious relics from the Mesopotamian, Babylonian and Persian civilization. The collections of the National Museum of Iraq include art and artifacts from ancient Sumerian, Babylonian, Akkadian and Assyrian civilizations. The museum also has galleries devoted to collections of both pre-Islamic and Islamic Arabian art and artifacts. Of its many noteworthy collections, the Nimrud gold collection—which features gold jewelry and figures of precious stone that date to the 9th century and the collection of stone carvings and cuneiform tablets from Uruk are exceptional.

**Al-Hikma House:** Bayt Al-Hikma is an intellectual and scientific establishment with financial and administrative independence. It deals with researches and studies. Bayt Al-Hikma was re-established in 1995 under the law (No.11 in 1995), to reviving the role of "Abbasian bayt al- hikma" or as it known at that time "wisdom closet" which was founded in Baghdad (754-775)A.C. in the era of Abbasian caliphate (Abo Jaffer Al-Mansour). The house draws on several areas including political and strategy studies, religion, historical, philosophy, Law and economics, Sociology and linguistics.

## Conference Program Agenda (Detailed Map)- 1<sup>st</sup> Day

**Venue:** Baghdad, Babylon Hotel

**Tuesday, Nov.20, 2018**

**Hall(s):** Gilgamesh, Al-Furat, Enlil, Ishtar Halls

Time	Registration
09:30-10:40	<ul style="list-style-type: none"> <li>- <b>Opening Ceremony</b> <ul style="list-style-type: none"> <li>- Performance of the Iraqi National Anthem</li> <li>- A Piece of Holy Quran Recital</li> <li>- UoF President Remarks</li> <li>- Iraqi Minister of HESR Remarks</li> </ul> </li> <li>- <b>ART Activities</b></li> </ul>
10:40-11:30	<b>Keynote Speech I</b>
	<p><b>Speech Title: Iraqi Virtual University (IVU)</b></p> <p><b>Prof. Badrul H. Khan (PhD) – USA</b>            Founder of modern e-Learning            Virginia International University, USA  <a href="mailto:badrulkhan2003@yahoo.com">badrulkhan2003@yahoo.com</a></p>
11:30-12:10	<b>Keynote Speech II</b>
	<p><b>Speech Title: Adaptive processing of correlated sequences of medical images</b></p> <p>Prof. Roumiana Kountcheva (PhD) – Bulgaria            TK Engineering of Sofia, Bulgaria  <a href="mailto:kountcheva_r@yahoo.com">kountcheva_r@yahoo.com</a></p>
12:10-01:00	<b>ART Gallery, Coffee Break</b>

## Conference Sessional Discussions (Presentation)

### Session 1 (Baghdad- **Gilgamesh Hall**)-Session code: **MC1**

<b>Time Duration</b>  <b>01:00-02:15</b>	<b>AICIS'18: Cloud Computing &amp; Big Data (MC)</b> <b>Session Chairs:</b> Prof. Ali Mekki, Assist. Prof. Bilal Ismael Al-Khateeb		
	<b>Paper ID</b>	<b>Title</b>	<b>Time</b>
	MC11	A review in Security Issues and Challenges on Mobile Cloud Computing (MCC)	01:00-01:15
	MC12	A review on recent distributed on line stream processing platform for big data	01:15-01:30
	MC13	Enhancement of state estimation power system based hybrid algorithm	01:30-01:45
	MC14	Embedding Secrete Message in Transformed Voices Files using a New Method for Position Selection	01:45-2:00
	MC15	New Fully Homomorphic Encryption Scheme Based On Multistage Partial Homomorphic Encryption Applied In Cloud Computing	2:00-02:15

### Session 2 (Baghdad- **Gilgamesh Hall**)- Session code: **MC2**

<b>Time Duration</b>  <b>02:15-04:00</b>	<b>AICIS'18: Artificial Intelligence &amp; Medical Applications, Science &amp; Technology, Interactive Education, E-Management</b> <b>Session Chairs:</b> Prof. Dhiya Al-Jumaily, Prof. Loay G. Edward		
	<b>Paper ID</b>	<b>Title</b>	<b>Time</b>
	MC21	Mammography Image Segmentation Based on Fuzzy Morphological Operations	02:15-02:30
	MC22	Speech Emotion Recognition Using Minimum Extracted Features	02:30-02:45
	MC23	Solving View Selection problem To Query plan Using Meta Heuristic Methods.	02:45-03:00
	MC24	A Novel Coding and Discrimination (CODIS) Algorithm to Extract Features from Arabic Texts to Discriminate Arabic Poems	03:00-03:15
	MC25	Design and implementation a web-based collaborative E-learning model: A Case Study- Computer Science Department Curriculum	3:15-03:30
	MC26	A New Style of an Academic Institutions in Iraq: e-University	3:30-3:45
	MC27	Multi-agent models solution to achieve EMC in Wireless Telecommunication Systems	3:45-4:00

**Total papers: 12.**

## Conference Program Agenda (Detailed Map) - 2<sup>nd</sup> Day

**Venue:** University of Fallujah Main Campus Floor

**Date:** Nov. 21, 2018

**Hall(s):** Ibn Sina, El-Kendi, El-Razi, Ibn El-Baytar, Ibn El-Hyan Halls

Time	Registration
09:30-10:05	<p>- <b>Opening Ceremony</b></p> <ul style="list-style-type: none"> <li>- Performance of the Iraqi National Anthem</li> <li>- A Piece of Holy Quran Recital</li> <li>- UoF President Remarks</li> <li>- Anbar Governor Remarks (or his Representative)</li> </ul>
10:05-10:40	<p><b>Keynote Speech I</b></p> <p><b>Speech Title: Artificial Intelligence in Real World Applications</b>  <b>Prof. Dhiya Al-Jumaily (PhD) - UK</b>  Faculty of Engineering and Technology  Liverpool John Moores University, England  <a href="mailto:D.Aljumeily@ljmu.ac.uk">D.Aljumeily@ljmu.ac.uk</a></p>
	<p><b>Keynote Speech II</b></p> <p><b>Speech Title: Water as the Essence of Life</b>  <b>Prof. Rafid Al-Kadhar (PhD) - UK</b>  Liverpool John Moores University Liverpool, UK</p>
10:40-11:10	
11:10-11:40	<p><b>Keynote Speech III</b></p> <p><b>Speech Title: Impact of the Development in Computer Technology on the Progress in modern Theoretical Chemistry.</b>  Prof. Muthana Shanshal,  University of Baghdad  <a href="mailto:mshanshal2003@yahoo.com">mshanshal2003@yahoo.com</a></p>
11:40-1:00	<b>ART Gallery, Coffee Break</b>
1:00-02:00	<p><b>Exhibits</b></p> <ul style="list-style-type: none"> <li>- Moving to UoF Medical School Building</li> <li>- Exhibit Inaugurations, Ribbon Cutting Ceremonies, Painting &amp; Calligraphy Arts Exhibit.</li> <li>- Women Entrepreneurship Workshop "<b>Women in E-learning</b>"  <b>Tutorial Lecture: Dr. Shema Khan (PhD) – USA</b>  (Ibn Sina- Hall )</li> </ul>

## Conference Sessional Discussions (Presentation)

### Session 1 (UoF- Ibin-Hayan) – Session code=MC1

<b>Time Duration</b>  <b>01:00-02:15</b>	<b>AICIS'18:</b> Artificial Intelligence & Medical Applications, Science Technology, Interactive Education, E-Management. <b>Session Chairs:</b> Assist.Prof.Salah El-Sawi, Assist.Prof. Waled K. Jabbar		
	<b>Paper ID</b>	<b>Title</b>	<b>Time</b>
	MC11	Impact of Contrast-Distorted Image on Curvelet Coefficients	01:00-01:15
	MC12	Facilitating Patient Registrations using an Integrating Healthcare Management System	01:15-01:30
	MC13	A comparative Study of Artificial Intelligence Techniques in an Automatic Infant's Pain Cry Identification System	01:30-01:45
	MC14	A Novel Artificial Neural Network Scheme for Modeling of Nonlinear Soil Stress-Strain Modulus Exponent	01:45-2:00
	MC15	NVLC: New Variant Lightweight Cryptography Algorithm for Internet of Things	2:00-02:15

### Session 2 (UoF- Ibin-Hayan) – Session code=MC2

<b>Time Duration</b>  <b>02:15-03:45</b>	<b>AICIS'18:</b> Science & Technology, Interactive Education, E-Management <b>Session Chairs:</b> Prof. Ayad Al-Ani, Assist.Prof.Esam T. Yassin,		
	<b>Paper ID</b>	<b>Title</b>	<b>Time</b>
	MC21	Iris Recognition Using Principal Component Analysis	02:15-02:30
	MC22	Performance Evaluation of Kernels in Support Vector Machine	02:30-02:45
	MC23	Term Extraction For A Single & Multi-Word Based On Islamic Corpus English	02:45-03:00
	MC24	Empirical performance evaluation of Gaussian Elimination and Parallel Implicit Elimination with Parallel Computing Technologies	03:00-03:15
	MC25	Developing a New Secret Symmetric Algorithm for Securing Wireless Applications	3:15-03:30
	MC26	Improved Cloud Computing Security	3:30-3:45

Total papers: 11

### Session 3 (UoF- Ibin-Sina) – Session code=MC3

02:15-03:45	AICIS'18: Science & Technology, Interactive Education, E-Management Session Chairs: Prof. Ayad Al-ani, Assist.Prof.Esam T. Yassin,		
	Paper ID	Title	Time
	MC31	Achieving an E-collaboration integration between the outputs of higher institutions and the requirements of the labor market	02:15-02:30
	MC32	A Proposed Technique Based on Wavelet Transform for Electrocardiogram Signal Compression	02:30-02:45
	MC33	Image Compression using Contourlet Transform	02:45-03:00
	MC34	An Emerging Standard Miniaturization in Arabic Morphological Analysis	03:00-03:15
	MC35	A review on the recent application of Jaya optimization algorithm	3:15-03:30

Total papers: 5

## Scientific Posters





### AICIS -Scientific Posters

Place		Title
Gilgamesh Hall	<i>Ali Nafea Yousif, Dr. Amer Saleem Elameer</i>	An Expert System for the Tourism Destinations based on the Google Maps API
	<i>Munya A. Arasi, El-Sayed M. El-Horbaty, Abdel-Badeeh M. Salem, El-Sayed A. El-Dahshan.</i>	Classification of Dermoscopy Images Using Naïve Bayesian and Decision Tree Techniques
	<i>Assist. Prof Aseel W. Ali,. Firdews A.Abulalqader</i>	Comparing Different Estimation Methods for Software effort
	<i>Yousif A. Hamad, Konstantin Simonov, Mohammad B. Naeem</i>	MRI Brain's Tumor Edge Detection on low contrast medical images
	<i>Ayad A. Al-Ani, Alaa H. Sheer</i>	The effect of regularization parameter within non-Blind Restoration algorithm using modified Iterative Wiener filter for Medical Image
	<i>Reem N. Mohammed , Faiz F. Mustafa , Nebras H. Ghaeb</i>	Implementation of Simulated Corneal Surface for Investigation of Laser Surgery
	<i>Dunia Hamid Hameed and Soukaena Hassan Hashem.</i>	Implementation of Random Indexing for Specific Domain
	<i>Assist. Pro. Dr Majeed Hadi Saleh AL-Hamdani, Raad M. Ismail Al-hazraji, Omer K. Jasim</i>	Effecting of Mobile application in Control Farmers' Communication Behavior
	<i>Yousra Abdulaziz Mohammed</i>	E-learning Readiness Assessment of Medical Students in University of Fallujah
	<i>Israa Akram Al Zuabidi, Seyed Morteza Babamir , Amer S. Elameer</i>	Moocart Compatibility Building Strategy (For The College of Art– University of Baghdad)
	<i>Zahraa jaafer, Salman Goli, Amer S. Elameer</i>	Best Performance Analysis of DOA Estimation Algorithms
	<i>Ali A.Abbod, Ashwaq Q.Hameed, Amer S.Elameer</i>	Design and implementation of Wireless Controllers for Oil Tank using Internet of Things Techniques: An applied study for the management of oil Tank
	<i>Azhar T. Ali, , Mohd Nazri Mohd Warip , Waleed Khalid Abduljabbar and Abdu Mohammed Ali Atta</i>	Evaluate & Develop A Routing Protocol of a Fully Functional Simulation System for Vehicular Ad Hoc Networks
	<i>Abeer D. Salman, Hala B. Abdulwahab</i>	Overview: 3D Video from capture to Display
	<i>Prof. Dr. Ahmed Abdul-Razzaq Salman</i>	Assigning the Maturity Level of Iraqi E-services: An Evaluating Framework
	<i>Sarah Nazar Dheyab</i>	<b>Electronic Management in Construction Projects</b>

	<i>Waseem Saad Nsaif, Hassan Hadi Saleh, Sarah Ali Abdulkareem</i>	Improve trading transactions (deliberation) in E-commerce of Visual currencies:Case study-Bitcoin Cryptocurrency paradigm
	<i>Salma Hatyta Raheemah , Eftekhar Abdul Hussein, Al Alzahraa</i>	The Impact of the Coherence of the Working Group in Confronting the Obstacles of the Application of Electronic Administration - An Analytical Study of the Views of a Sample of the Faculty in the College of Administration and Economics, University of Baghdad
<b>Gilgamesh Hall</b>	<i>Yousif A. Hamad, Konstantin Simonov, Mohammad B. Naeem</i>	Breast Cancer Detection and classification Using Artificial Neural Networks
	<i>Prof. Dr. Abdul Monem S. Rahma1, Asst. Prof. Dr. Maha A. Hnmood Al-rawi1, Nada Ahmed G.2</i>	A Novel Coding and Discremenation (CODIS) Algorithm to Extract Features from Arabic Texts to Discriminate Arabic Poems
	<i>Dr.Abdulsalam Ali Hussein Alnoori 1, Ahmed dheyauldeen salahaldin 2, Ahmed idan</i>	Information Technology as a Resource Strategy:University of Fallujah is a model
	<i>Ahmed Mahmood1, Golge Ogucu Yetkin2.</i>	A Low Mutual Coupling Design for Array Microstrip Antennas Inte-grated with Mushroom-Like Fishnet (EBG) Structures
	<i>Ahmed Khalaf Zager Al saedi1, Rozaida Ghazali2, Mustafa Mat Deris3</i>	Multi Objective Optimization of Economic Using Behavior of in-sects: survey study

**Total posters: 23 (Fallujah, Baghdad)**