



FACULTY FULL NAME: Mutasem Khalil Sari Alsmadi

POSITION: Assistant Professor of Computer Science – Collage of Applied Studies and Community Service

Personal Data

Nationality | Jordanian

Date of Birth | 26-9-1983

Department | Management Information Systems

Official UoD Email | mkalsmadi@uod.edu.sa

Office Phone No. | 32195

Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2011	Ph.D.	National University of Malaysia	Malaysia
2007	M.Sc.	University of Northern Malaysia	Malaysia
2006	B.Sc.	Philadelphia University	Jordan

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Fish Classification Using Memetic Algorithms with Back Propagation Classifier
Master	Pattern Recognition Using Artificial Neural Networks
Fellowship	

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant Prof.	University Of Dammam -KSA	2012
Assistant Prof.	Najran University	2011 - 2012
Assistant Prof.	Jerash University	2011
Software Analysis and Development Programmer	RESSCOM Technologies Sdn Bhd, Malaysia	2006-2008



Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Head of the Scientific Research Committee	Collage of Applied Studies and Community Service – University of Dammam	2012 Till Now

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Alsmadi, M. K.	Water Resource Planning: Forecasting Using Non-Parametric Models	Scientific Journal of King Faisal University, 2017
2	Alsmadi, M. K.	<i>A hybrid Fuzzy C-Means and Neutrosophic for jaw lesions segmentation</i>	Ain Shams Engineering Journal, 2016
3	Alsmadi, M. K.	<i>MRI Brain Segmentation Using a Hybrid Artificial Bee Colony Algorithm with Fuzzy-C Mean Algorithm</i>	Journal of Applied Sciences, 2015
4	Alsmadi, M. K.	<i>A Hybrid Firefly Algorithm with Fuzzy-C Mean Algorithm for MRI Brain Segmentation</i>	American Journal of Applied Sciences, 2014
5	Mutasem K. Alsmadi and Usama A. Badawi	<i>Pattern matching in Rotated Images Using Genetic Algorithm</i>	JKAU: Comp. Sci., Vol. 5, pp: 53 – 59. DOI: 10.4197 / Comp. 5 – 3. 2016
6	Thalji Z., and Alsmadi M.,	<i>Iris Recognition Using Robust Algorithm for Eyelid, Eyelash and Shadow Avoiding</i>	World Applied Sciences Journal, 2014
7	Usama A. Badawi and Mutasem K. Alsmadi (2014)	A General Fish Classification Methodology Using Meta-Heuristic Algorithm With Back Propagation Classifier.	Journal of Theoretical and Applied Information Technology. Vol. 66 No.3. Pp: 803-812. 2014
8	M. K. Alsmadi, Usama A. Badawi and H.M. Moharram	Server failures enabled JavaSpaces service (FTJS)	J. Comput. Sci., 10(4): 671-679. 2014



9	Usama A. Badawi and Mutasem Khalil Sari Alsmadi	A Hybrid Memetic Algorithm (Genetic Algorithm and Great Deluge Local Search) With Back-Propagation Classifier for Fish Recognition.	. IJCSI International Journal of Computer Science Issues; 10(2): 348-356. 2013
10	Mutasem Alsmadi, Usama A. Badawi, Hosam E. Refaat	A High Performance Protocol For Fault Tolerant Distributed Shared Memory (FaTP)	Journal of Applied Sciences; 13 (6): 790-799. 2013

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
	Alsmadi, M. K.	AN EFFICIENT SIMILARITY MEASURE FOR CONTENT BASED IMAGE RETRIEVAL USING MEMETIC ALGORITHM	Egyptian Journal of Basic and Applied Sciences	2017

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Usama Badawi and Mutasem Alsmadi	Differential Diagnosis of Jaw Lesions Using a Hybrid Neutrosoph with Fuzzy C-Means Clustering Algorithm (NFCM) Based on Panoramic X-Ray Images. (CI)	2014- 2015
2	Usama Badawi and Mutasem Alsmadi	A General Fish Classification Methodology Using Meta-heuristic Algorithms (GAILS-BPC and GASA-BPC) with Back Propagation Classifier (CI)	2013-2014
3	Saleh A. AL Rashed, Usama Badawi and Mutasem Alsmadi	Developing The Distance Learning Tools For KSA Universities (CI)	2013-2015
4	Mutasem Alsmadi and Usama Badawi	MRI Image Segmentation Using A Hybrid Of Two Meta-heuristic Algorithms With Fuzzy C-Means Algorithms For Brain Tumor Detection and diagnosis (PI)	2013-2014
5	Raed Ali Ahmed Alkhasawneh and Mutasem Alsmadi	3D Facial Recognition Using Combined Radial Curves with Automatic Local Geometrical Features for Pose, Occlusions and Expression Variations (CI)	2014-2015

Current Researches

#	Research Title	Name of Investigator(s)
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1	FACE IMAGE RECOGNITION BASED ON PATTERN MATCHING USING GENETIC ALGORITHM	Mutasem Alsmadi and Usama Badawi
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Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1			
2			
3			
4			

Membership of Scientific and Professional Societies and Organizations

- Member in the reviewing board of the Neural Computing and Applications Journal, Springer Publications (ISSN: 0941-0643).
- Member in the reviewing board of the International Journal of Educational Development (Print ISSN 0738-0593).
Member in the reviewing board of Ain Shams Engineering Journal, (ISSN: 2090-4479).

Teaching Activities

Undergraduate

#	Course/Rotation Title	Place	Extent of Contribution
1	Research Methods	University of Dammam	Instructor
2	Computer Networks and Security	University of Dammam	Instructor
3	Data Mining	University of Dammam	Instructor
4	Research Project	University of Dammam	Instructor
5	Information Technology In Management	University of Dammam	Instructor
6	Software engineering 1	Najran University	Instructor
7	Software engineering 2	Najran University	Instructor
8	Management Information Systems	University of Dammam	Instructor
9	C++	Jerash of Dammam	Instructor
10	Image Processing	Najran University	Instructor

Postgraduate

#	Course/Rotation Title	Place	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)



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Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date

Administrative Responsibilities, Committee and Community Service
(Beginning with the most recent)



Administrative Responsibilities

#	From	To	Position	Organization
1	2012	Now	Head of the Scientific Research Committee	Collage of applied Studies and Community Service

Committee Membership

#	From	To	Position	Organization

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Unix	
2	Windows OS	
3	Java Programming Language	
4	C Programming Language	
5	C++ Programming Language	
6	Pascal Programming Language	
7	Visual Basic Programming Language	
8	Assembly Programming Language	
9	La TeX	
10	PVM (Parallel Virtual Machine)	



11	Microsoft Office	
12	Visual Stodio / 3D Max	
13	SPSS	
14	ASP.Net	
15	Sun Microsystems Jini System	
16	CVS (Concurrent Version Control)	

Last Update

...28/...11.../2016