Dr. Mutasem ShabibAlkhsawneh

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Personal Information	
Father Name	Shabib
Last Name	Alkhasawneh
Nationality	Jordanian
Date of Birth	1977
Marital status	Married
Educational Preparation	
November 2014	Achieved PhD
2010 - 2014	PhD candidate University science Malaysia
2002 -2004	Master's Degree in Computer Engineering and Communications. National University of Malaysia
1996 - 2000	B.Sc. in Biomedical Electronics. University of Mousel Iraq
work Experience	
2008-2010	Manger in Garmson Fuel company Texas/U.S.A
2006 - 2007	RF engineer in MCPS in Texas/ U.S.A
2000 - 2002	Jordan Medicare Group. Amman – Jordan. Biomedical Equipment Engineer: duties included supervision and maintenance of biomedical equipment including hardware and software upgrade and malfunction troubleshoot.
2001 - 2014	graduate assistance in Electrical and Electronic School in USM
2015- Until now	Ass. Prof in Ajloun National University Software Engineering Department Faculty of science and information technology.
2018-2020	Head of Computer Science and Software engineering
Research Interest	
Artificial Intelligent, Neural Network optimization, Artificial Intelligent Applications	
Research Experience	
2009 - 2014	Five years of research experience in University Science of Malaysia (USM)
May 2002 – October 2002	Conducted a research on Microstep Antennas: The

	research focused on the effect of using Microstep Antennas on modulation techniques used in mobile communication devices.

Academic Projects	
	Landslide susceptibility hazard mapping of Penang Island using artificial neural network:The purpose of this project was to predict the occurrence of the landslide locations in the Penang Island Malysia.
	Sign Language Recognition Using Neural Networks: The purpose of this project was to allow the computer device to recognize alphabetical letters performed by the sign language in front of a digital camera connected to the sign language recognition hardware equipment.
	Satellite Position Adjusting Software: The purpose of this project was to design software that will keep track of the satellite movement and will detect if the satellite shifts out of its track around the earth and will launch a series of commands to order the satellite to return to its original track.

Publications	
	<u>International Journals</u> • Modeling and testing landslide hazard using decision tree MS Alkhasawneh, UK Ngah, LT Tay, M Isa, N Ashidi… - Journal of Applied Mathematics, 2014 Cited by 24 • Determination of importance for comprehensive topographic factors on landslide hazard mapping using artificial neural network MS Alkhasawneh, UK Ngah, LT Tay, NAM Isa - Environmental earth sciences, 2014 Cited by 13 . • Determination of important topographic factors for landslide mapping analysis using MLP network MS Alkhasawneh, UK Ngah, LT Tay, M Isa, N Ashidi… - The Scientific World Journal, 2013 Cited by 9. • Landslide susceptibility hazard mapping techniques

	review MS Alkhasawneh, UKB Ngah, TL Tien, N Isa - Journal of Applied Sciences(Faisalabad), 2012 Cited by 9 .
	• Landslide occurrence prediction using trainable cascade forward network and multilayer perceptron MS Al-Batah, MS Alkhasawneh, LT Tay, UK Ngah… - Mathematical Problems in Engineering, 2015 Cited by 3.
	• Intelligent landslide system based on discriminant analysis and cascade-forward back-propagation network MS Alkhasawneh, LT Tay, UK Ngah, MS Al-batah… - Arabian Journal for Science and Engineering, 2014 Cited by 3.
	• Landslide hazard mapping of Penang Island using poisson distribution with dominant factors LT Tay, MS Alkhasawneh, H Lateh, MK Hossain… - Journal of Civil Engineering Research, 2014 Cited by 3.
	• Landslide hazard mapping of Penang Island using dominant factors LT Tay, MS Alkhasawneh, UK Ngah, H Lateh - … Technologies (ISTT), 2014 IEEE 2nd International …, 2014 Cited by 1.
	• Quantitative workflow based on NN for weighting criteria in landfill suitability mapping SKM Abujayyab, MSS Ahamad, AS Yahya, SZ Ahmad… - AIP Conference Proceedings, 2017.
	• Landslide hazard mapping with selected dominant factors: A study case of Penang Island, Malaysia LT Tay, MS Alkhasawneh, UK Ngah, H Lateh - AIP Conference Proceedings, 2015
	• Sustainable GIS Based-ANN's Solution for Landfill Suitability Analysis SKM Abujayyab, MSS Ahamad, AS Yahya… - Applied Mechanics and Materials, 2015
	• A hybrid intelligent system integrating the cascade forward neural network with elman neural network. Mutasem Sh Alkhasawneh, Lea Tien Tay. Arabian Journal for Science and Engineering 2018.
	• Hybrid Cascade Forward Neural Network with Elman

	Neural Network for Disease Prediction. Mutasem Sh Alkhasawneh. Arabian Journal for Science and Engineering 2019.
	• Isolated Arabic Hand Written Letters Recognition Based on Contour Matching and Neural Network. Mutasem Shabib Alkhasawneh and Mohammad Ali BaniYounes Bajes Zeyad Aljunaeidia, 2018. ournal of Computer Science.
	• Landslide hazard mapping with new topographic factors: a study case of Penang Island, Malaysia. LT Tay, MS Alkhasawneh, UK Ngah, H Lateh. 2014. Australian Journal of Basic and Applied Sciences
	• Assessment of gastric cancer survival: Using an artificial hierarchical neural network. MS Alkhasawneh, UKB Ngah, TL Tien, NABM Isa… - Journal of Applied Sciences, 2012.
	Symposium Paper • Mutasem Sh. Alkhasawneh, UmiKalthumNgah, Lea TienTay, Nor Ashidi Mat Isa," 'landslide worldwide reviews techniques", School of Electrical and Electronic 3rd Postgraduate Colloquium EEPC 2011. USM, 2-4 Dec. 2011, Bentong, Pahang.
	• Mutasem Sh. Alkhasawneh, UmiKalthumNgah, Lea Tien Tay, Nor Ashidi Mat Isa,'Landslide Intelligent System Based on QUEST method and Cascade-Forward Back-Propagation Network', *School of Electrical and Electronic 3rd Postgraduate Colloquium EEPC 2011*. USM, 2-4 Dec. 2013, Pangkor, perak

References

Assoc. Prof. Dr. UmiKalthumNgah, E-mail: umikalth@yahoo.co.uk

Dr. Tay Lea Tien E-mail tay@usm.my