



# MUDER ALMIANI

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Al-Hussein Bin Talal University  
MA'AN - JORDAN  
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## PROFESSIONAL PROFILE

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University of Bridgeport Doctoral in Computer Science and Engineering with 10 years of experience in the field. Strong understanding of computer science issues, tools, procedures, and resources which are essential for industry success. Dedicated to continued learning and professional development.

## EDUCATION

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| <b>Doctor of Philosophy in Computer Science and Engineering</b><br><i>University of Bridgeport</i><br>A NEW 3D AUTOMATIC MODIFIED REGION GROWING ALGORITHM FOR SEGMENTATION OF THE BRAIN VASCULATURE USING MAGNETIC RESONANCE ANGIOGRAPHY (MRA) IMAGE DATABASE | 6/2013<br>Bridgeport, CT |
| <b>Master in Computer Information System</b><br><i>Arab Academy for Banking and Financial Sciences</i>   | 5/2007<br>Amman, Jordan  |
| <b>Bachelor in Computer Science</b><br><i>Al-Hussein Bin Talal University</i>  | 5/2004<br>Ma'an, Jordan  |

## PROFESSIONAL EXPERIENCE

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| <b>Associate Professor</b><br>2013-present<br><i>Al-Hussein Bin Talal University</i><br>College of Information Technology   | Ma'an-Jordan              |
| <b>Library Director, Al-Hussein Bin Talal University</b>  | 2017- present             |
| <b>Chair, Computer Information Systems Department</b><br><i>Al-Hussein Bin Talal University</i>   | 2017- present             |
| <b>Chair, Computer Information Systems Department</b><br><i>Al-Hussein Bin Talal University</i>   | 2013-2016                 |
| <b>Chair, Management Information Systems Department</b><br><i>Al-Hussein Bin Talal University</i><br>College of Business Administration and Economics                 | 2013-2015<br>Ma'an-Jordan |
| <b>Assistant Professor</b><br><i>Al-Hussein Bin Talal University</i><br>College of Business Administration and Economics<br>Management Information Systems Department | 2013-2017<br>Ma'an-Jordan |

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<b>chair of Computer/ Computational Intelligence Chapter, IEEE Jordan Section</b>	2017- present
<b>Vice chair of Computer/ Computational Intelligence Chapter, IEEE Jordan Section</b>	2015- 2017
<b>General Co-Chairs</b> <i>ACS/IEEE International Conference on Computer Systems and Applications (AICCSA 2018 )Jordan, Aqaba</i>	
<b>Organization Chair</b> <i>2017 IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT 2017)</i>	
<b>Member of the Board of Directors Center of Excellence for Jordanian Libraries</b>	2017- present
<b>Chair, 2016 AlFursan Collegiate Programming Contest, Aqaba</b>	2016
<b>Member of Information Technology, College Council, AHU</b> <i>Al-Hussein Bin Talal University</i>	2014- present
<b>Member of Business Admin. And Econ. College Council, AHU</b> <i>Al-Hussein Bin Talal University</i>	2013- 2017
<b>student employment and graduate assistant</b> under : <i>Senior Vice President for Graduate Studies and Research Dean, School of Engineering University of Bridgeport</i>	2009-2013  Bridgeport,USA
<b>Member of the Signal Processing Research Group (SPRG) Laboratory</b> <i>University of Bridgeport</i>	2009- present Bridgeport,USA
<b>Technical Committee Member</b> <i>International Joint Conferencing on Computer, Information, and Systems Sciences, and Engineering CISSE</i>	2010-present Bridgeport,USA
<b>Assistant Instructor</b> <i>Al-Balqa' Applied University</i>	2004-2009 Alst,Jordan
<b>Member, University Senate Executive Committee</b> <i>Al-Hussein Bin Talal University</i>	2007-2008 Ma'an-Jordan
<b>Member, University Planning Council</b> <i>Al-Hussein Bin Talal University</i>	2007-2008 Ma'an-Jordan

## CONFERENCES AND JOURNAL

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- Razaque, A., Yimu, L., Minjie, T., **Almiani, M.**, & Al-rahayfeh, A. (2018, April). Distributed allocating algorithm based on cloud CPU scheme. In Software Defined Systems (SDS), 2018 Fifth International Conference on (pp. 166-175). IEEE.
- **Almi'ani, M.**, Ghazleh, A. A., Al-Rahayfeh, A., & Razaque, A. (2018, April). Intelligent intrusion detection system using clustered self organized map. In Software Defined Systems (SDS), 2018 Fifth International Conference on (pp. 138-144). IEEE
- Guo, L., Du, P., Razaque, A., **Almiani, M.**, & Al Rahayfeh, A. (2018, April). Energy saving and maximize utilization cloud resources allocation via online multi-dimensional vector bin packing. In Software Defined Systems (SDS), 2018 Fifth International Conference on (pp. 160-165). IEEE.
- **Muder Almiani** Abdul Razaque and Ayman Al Dmour," Privacy Preserving Framework to Support Mobile Government Services", International Journal of Information Technology and Web Engineering, Vol. 11, No. 3, July-September 2016.
- Ayman Al-Dmour, Al-Mothana Gasaymeh, Mohammed Abuhelaleh, **Muder Almi'ani**,"Effects of Concept Map Approach on Students' Attitude and Motivation towards Documenting Computing Capstone Projects". International Journal of Technology Enhanced Learning, Vol. 8, No. 3, 2016.
- Sudha Narendrakumar, Abdul Razaque, Varil Patel, **Muder Almi'ani**, Syed S. Rizvi, Akshat Hans, " Token security for the internet of things" International Journal of Embedded Systems, Accepted 2016.
- **Muder Almiani**, Abdul Razaque, Toufik Aidja, Ayman Al-Dmour ," Context-aware latency reduction protocol for secure encryption and decryption",International Journal of High Performance Computing and Networking ,Accepted 2017.
- **Muder Almiani** Abdul Razaque and Ayman Al Dmour," Privacy Preserving Framework to Support Mobile Government Services", International Journal of Information Technology and Web Engineering, Vol. 11, No. 3, July-September 2016.
- Haque, Asadul, Shantanu Kode, Abdul Razaque, and **Muder Almiani**. "ConSec: An encryption policy for context aware security applications." In Information and Communication Systems (ICICS), 2016 7th International Conference on IEEE, 2016.
- Atiewi, S., Yussof, S., Ezanee, M., & **Almiani, M.** (2016, April). A review energy-efficient task scheduling algorithms in cloud computing. In Long Island Systems, Applications and Technology Conference (LISAT), 2016 IEEE.
- **Muder Almiani**, *Ayman Al Dmour*, Abdul Razaque, "Interactive Framework to Deliver Mobile Government Services", 2015 IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies AEECT .
- **Muder Al'miani**, Buket D. Barkana, "A Modified Region Growing Based Algorithm To Vessel Segmentation In Magnetic Resonance Angiography", IEEE Long Island Systems, Applications and Technology Conference (LISAT) Farmingdale, New York, USA, May, 2015.( **Best Paper Award**).
- K. Almi'ani, **Muder Almi'ani**, A. Al\_ghonmein and K. Al-Moghrabi, "Data Collection Scheme for Wireless Sensor Networks with Mobile Collector", International Journal of Wireless & Mobile Networks (IJWMN) Vol. 6, No. 4, pp 19-25, August 2014.
- K. Almi'ani, A. Al\_ghonmein, K. Al-Moghrabi and **Muder Almi'ani**, "Data-Gathering in Wireless Sensor Networks Using Mobile Elements", International Journal of Wireless & Mobile Networks (IJWMN) Vol. 6, No. 4, pp 113-120, August 2014.
- K. Almi'ani, L. Almazaydeh and Muder Almi'ani, "Mobile-Element Path Planning for Data Gathering in Wireless Sensor Networks", European journal of scientific research, Vol. 124 No. 4 September, 2014,pp 404-416.
- **Muder Al'miani**, Buket D. Barkana,"Vascular Segmentation in Magnetic Resonance Angiography A Modified

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Region Growing Approach" , IEEE Signal Processing in Medicine and Biology Symposium (SPMB12) , New York,USA,December,2012.

- **Muder Al'miani**, Buket D. Barkana, "Automatic Segmentation Algorithm for Brain MRA Images", IEEE Long Island Systems, Applications and Technology Conference (LISAT) Farmingdale, New York, USA, May, 2012 .
- **Muder Al'miani**, Buket D. Barkana, "Automatic Segmentation Algorithm for Retinal Vasculature", WORLDCOMP'12 - The 2012 World Congress in Computer Science, Computer Engineering, and Applied Computing, Monte Carlo Resort, Las Vegas, Nevada, USA,July 2012.
- **Muder Al'miani**, Buket D. Barkana, "Automatic Segmentation Algorithm for Retinal Vasculature", Poster Presentation, Faculty Research Day, University of Bridgeport, Bridgeport, CT, USA, February, 2012.
- **Muder Al'miani**, Buket D. Barkana, "Automatic Segmentation Algorithm for Retinal Vasculature", Poster Presentation, American Society of Engineering Education - North East Conference, Lowell, MA, USA, April 2012.
- **Muder Al'miani** , Buket D. Barkana, "Magnetic Resonance Angiography: Automatic segmentation of cerebral vessels", Poster Presentation, American Society of Engineering Education - North East Conference, Hartford, CT, USA, April 2011.
- Amer A. Al-Rahayfeh, Muder **M. Almi'ani** and Abdelshakour A. Abuzneid, "Parameterized Affect of Transmission-Range on Lost of Network Connectivity (LNC) of Wireless Sensor Networks", International Journal of Wireless & Mobile Networks (IJWMN), . Vol. 2 No. 3(2010), pp.63–80.
- The first conference of the all Jordan (Project management ) - Dead Sea sep 2007.
- The Second Conference of the Jordan all (public and private sector partnership or competition) - Dead Sea Apr 2007.

## RESEARCH

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- Industrial information system management.
- E- Government, and M-Government.
- Automatic segmentation of cerebral vessels using a magnetic resonance angiography (MRA) database.
- Automatic Segmentation Algorithm for Retinal Vasculature.
- Biomedical imaging processing database.

## PROFESSIONAL MEMBERSHIPS

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- Member of the Institute of Electrical and Electronics Engineers (IEEE) 2011 – present.
- Member of the IEEE Computer Society 2011 – present.
- Member of the Biomedical Engineering Society (BMES).

## PROFESSIONAL QUALIFICATIONS

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International Computer Driving License Certificate (ICDL) 2004

## TRAINING

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- Industrial information system management.
- Biomedical image processing
- Database management system
- Project management
- Knowledge Management
- Information system management
- E- bussines
- Software engineering
- Operating system
- Network security
- Mobile communication

## TECHNICAL SKILLS

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- Good experience using Microsoft Package.
- Good experience using matalab and C++,

## AWARDS

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- IEEE Long Island Systems, Applications and Technology Conference (LISAT) Farmingdale, New York, USA, May, 2015.( **Best Paper Award**).
- Al-Hussein Bin Talal University, university award for best activity at the 2004 and 2005.

## REFERENCES

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- **Professor Tarek M. Sobh**, Ph.D., P.E., CMfgE

Vice President for Graduate Studies and Research Dean, School of Engineering,  
Distinguished Professor of Engineering and Computer Science University of Bridgeport,  
Fellow, African Academy of Sciences

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- **Professor Buket D. Barkana**

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