

Dr. Samar Medawi Alqhtani

Address: College of Computer Science and Information Systems,
Najran University, Najran,
Saudi Arabia, Postcode: 1988
Telephone: +966-542-8888 ext. 1416
Email: smalqhtani@nu.edu.sa

RESEARCH INTERSETS:

Research interest is in information technology and multimedia, including health informatics, artificial intelligence, machine and deep learning, data mining, big data and social media, image processing, computer vision, and Internet-oriented IT applications.

EDUCATION AND QUALIFICATION:

Doctor of Philosophy in Information Technology, The University of Newcastle, Newcastle, Australia (2017)

Master of Information Technology, The University of Newcastle, Newcastle, Australia (2011)

WORK EXPERIENCES:

2018 Assistant Professor | Najran University, Najran, Saudi Arabia

2012 Lecturer | Najran University, Najran, Saudi Arabia

2011 Teaching Assistant | Najran University, Najran, Saudi Arabia

TAUGHT COURSES:

Computer Science 2, Graphical User Interface, Internet Technologies, Internet and Web Applications Development, and Graduation Projects

PUBLICATIONS:

Aamir, M.; Ali, T.; Irfan, M.; Shaf, A.; Azam, M.Z.; Glowacz, A.; Brumercik, F.; Glowacz, W.; Alqhtani, S.; Rahman, S. (2021). Natural disasters intensity analysis and classification based on multispectral images using multi-layered deep convolutional neural network. *Sensors*, 21(8), 2648.

Hussain, Aamir; Ali, Tariq; Althobiani, Faisal; Draz, Umar; Irfan, Muhammad; Yasin, Sana; Shafiq, Saher; Safdar, Zanab; Glowacz, Adam; Nowakowski, Grzegorz; Khan, Muhammad S.; Alqhtani, Samar. (2021), "Security Framework for IoT Based Real-Time Health Applications" *Electronics* 10, no. 6: 719. <https://doi.org/10.3390/electronics10060719>

Alqhtani, S.M., Alqahtani, A., Raizza, A. (2020), 'Steganography Android Application Using LSB and DCT Techniques for Gray and Color Images', *International Journal of Electrical, Electronics and Data Communication (IJEEDC)*. ISSN(p): 2320-2084, ISSN(e): 2321-2950 Vol. 8, no. 2, pp. 6-12

Luo, S., Alqhtani, S. M., & Li, J. (2018). Multiple Kernel-Based Multimedia Fusion for Automated Event Detection from Tweets. In *Machine Learning-Advanced Techniques and Emerging Applications*. IntechOpen.

Alqhtani, S. M., Luo, S. and Regan, B. (2017), 'A Multiple kernel learning based fusion for earthquake detection from multimedia Twitter data', *Multimedia Tools and Applications*, Springer US, pp. 1-14, doi:10.1007/s11042-017-4901-9

Alqhtani, S. M., Luo, S. and Regan, B. (2015), 'Fusing text and image for event detection in Twitter', *The International Journal of Multimedia & Its Applications (IJMA)*, vol. 7, no. 1, pp. 27-35, doi: 10.5121/ijma.2015.7103

CONFERENCES:

Alraizzah, A., & Alqhtani, S. (2021, March). Energy efficiency and availability based on multi-agent architecture in MCC. In 2021 National Computing Colleges Conference (NCCC) (pp. 1-6). IEEE.

Alqhtani, S.M., Alqahtani, A., Raizza, A. (2019), 'Steganography Android Application Using LSB and DCT Techniques for Gray and Color Images', *International Conference on advances in business management and information technology*, Jeddah, 14th and 15th November 2019.

Alqhtani, S. M., Luo, S. and Regan, B. (2017), Multiple kernel fusion for wildfires detection from multimedia data in Twitter. *International Conference on Cloud, Big Data and Analytics (ICCBDA-2017)*, Association of Scientists, Developers and Faculties, Beijing, China.

Alqhtani, S. M., Luo, S. and Regan, B. (2015), 'Multimedia data fusion for event detection in Twitter by using Dempster-Shafer evidence theory', *World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Information Engineering*, vol. 9, no. 12, pp. 2234-2238, doi: scholar.waset.org/1999.4/10003385.

Alqhtani, S., Luo, S. and Regan, B. (2014), 'Event detection in Twitter using text and image fusion', *International Conference on Signal, Image Processing and Multimedia (SPM-2014)*, Sydney, Australia, AIRCC Publishing Corporation, pp. 191–198, doi: 10.5121/csit.2014.41215

TRAINING

Training course in Bioethics from KACST 2020

Academic Accreditation Review Training Program 2020

Training of Trainers Course 2019

Multiple Courses in Quality

Multiple Courses in Leadership

Multiple Courses in Research and Scientific Publishing

HONORS/AWARDS:

Research Grant (NU/SERC/10/ 517) from scientific research deanship in Najran university in 2021

Research Grant (NU/SERC/10/ 495) from scientific research deanship in Najran university in 2021

Research Grant (NU/ESCI/17/049) from scientific research deanship in Najran university in 2020

Certificates of appreciation for efforts to obtain Najran University the full institutional accreditation 2019

Certificates of appreciation for scientific excellence during the Master and Doctoral studies from the Cultural Attaché in Australia (2011-2017)