



Phone 96614673118
Fax 96614675630
E-mail zuair@ksu.edu.sa
Mobile 966505238426

Mansour Abdulaziz Al Zuair

Personal Information

Date of birth 9/4/1963 in Riyadh
Married 4 sons and 2 daughters

Education

PhD in Computer Engineering

Syracuse University Syracuse, NY, 1996

Msc in Computer Engineering

Syracuse University Syracuse NY, 1989

Bachelor of Computer Engineering with second class honors

King Saud University Riyadh Saudi Arabia, 1986

Professional experience

- TA 1986/87 King Saud University
- Assistant Professor 1997 – 2017
- Associate Professor 20/9/2017
- Professor 26/10/2022
- Part time consultant 1999 -2000 Saudi Press Agency
- Computer Engineering Dept. Deputy chairman 2000 – 2003
- Computer Engineering Dept. Chairman 2003 – 2006
- Member of Qaseem private college board of trustee, 2009
- Member of the Technical Consulting Team for the National Center for E-learning and Distance Education 2007
- Member of Higher Education Committees for evaluating universities in Pakistan, Tunisia, Bahrain, Egypt, UAE, Oman, Syria, Kuwait and Lebanon
- Member of higher education committee for Certificate Equivalency Degrees Equalization 2003 - 2021
- Member of PMU board of trustee 2017 - 2021
- Member of PMFU board of Trustee 2017-2022
- Member of Al Yamamah University board of Trustee since 2023
- Vice Dean, College of computer and Information Sciences 11/2009-11/2011
- Vice Dean for Academic Affairs, College of computer and Information Sciences 11/2011-2/2016
- Acting Dean 3/12/2015 - 14/2/2016
- Dean of college of Computer and Information Sciences 15/2/2016 – 31/12/2019

Publications

see google scholar

https://scholar.google.com/citations?hl=ar&user=muDb78wAAAAJ&view_op=list_works&sortby=pubdate

B Alwadei, M Lamine Mekhalafi, Y Bazi, M M Al Rahhal, M Zuair, "Open set classification of Hyperspectral images with energy models", International Journal of Remote Sensing 44 (24), 7876-7888.

MM Al Rahhal, Y Bazi, H Elgibreen, M Zuair, "Vision-Language Models for Zero-Shot Classification of Remote Sensing Images", Applied Sciences 13 (22), 12462, 2023.

L Bashmal, SM Al Mehmadi, Y Bazi, MM Al Rahhal, M Zuair, "Text to Event Retrieval in Aerial Videos", IEEE Geoscience and Remote Sensing Letters, 2023

Laila Bashmal, Yakoub Bazi, Mohamad Mahmoud Al Rahhal, Mansour Zuair, Farid Melgani, "**CapERA: Captioning Events in Aerial Videos**" Remote Sensing, Vol. 8, PP 2139, 2023.

Laila Bashmal, Yakoub Bazi, Farid Melgani, Riccardo Ricci, Mohamad M Al Rahhal, Mansour Zuair, "**Visual Question Generation From Remote Sensing Images**", IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, Vol 16, pp 3279-3293, 2023

Yakoub Bazi, Mohamad Mahmoud Al Rahhal, Laila Bashmal, Mansour Zuair, "**Vision-language model for visual question answering in medical imagery**", Bioengineering, Vol 10, P330, 2023.

Laila Bashmal, Yakoub Bazi, Farid Melgani, Mohamad M Al Rahhal, Mansour Abdulaziz Al Zuair, "**Language Integration in Remote Sensing: Tasks, datasets, and future directions**", IEEE Geoscience and Remote Sensing Magazine, 2023.

Y. Bazi , M. M. Al Rahhal, Y. Bazi, Mohamed Lamine Mekhalafi, M Zuair, Farid Melgani '**Bi- Modal Transformer-Based Approach for Visual Question Answering in Remote Sensing Imagery**', IEEE Transactions on Geoscience and Remote Sensing 60:1-1,2022

Mohamad Mahmoud Al Rahhal, Yakoub Bazi, Rami M Jomaa, Mansour Zuair, Naif Al Ajlan, "**Deep learning approach for COVID-19 detection in computed tomography images**", Cmc-Computers Materials & Continua, 2093-2110,2021

Khalid, R; Javaid, N; Almogren, A; Javed, MU; Javaid, S; Zuair, M, "**A Blockchain-Based Load Balancing in Decentralized Hybrid P2P Energy Trading Market in Smart Grid**", IEEE ACCESS Volume: 8 Pages: 47047-47062, 2020

MS Roomi, M Imran, SA Shah, A Almogren, I Ali, M Zuair, "**A Novel De-Ghosting Image Fusion Technique for Multi-Exposure, Multi-Focus Images Using Guided Image Filtering**", IEEE Access 8, 219656-219671, 2020

Z Aslam, F Ahmed, A Almogren, M Shafiq, M Zuair, N Javaid, "**An attention guided semi-supervised learning mechanism to detect electricity frauds in the distribution systems**", IEEE Access 8, 221767-221782, 2020.

Y Bazi, MM Al Rahhal, H AlHichri, N Ammour, N Alajlan, M Zuair, "**Real-time mobile-based electrocardiogram system for remote monitoring of patients with cardiac arrhythmias**", International Journal of Pattern Recognition and Artificial Intelligence, V 34, 10, 2058013,2020.

Amani Alahmadi, Muhammad Hussain, Hatim A Aboalsamh, Mansour Zuair, "**PCAPool: unsupervised feature learning for face recognition using PCA, LBP, and pyramid pooling**", Pattern Analysis and Applications, V 23,ISS 2, 673-682, 2020.

Wajahat Ali, Ikram Ud Din, Ahmad Almogren, Mohsen Guizani, and Mansour Zuair, "**A Lightweight Privacy-aware IoT-based Metering Scheme for Smart Industrial Ecosystems**", IEEE Transactions on Industrial Informatics,2020

Affaf Shahid, Ahmad Almogren, Nadeem Javaid, Fahad Ahmad Al-Zahrani, Mansour Zuair, Masoom Alam, "**Blockchain-based agri-food supply chain: A**

complete solution", IEEE Access, V 8, 69230-69243,2020.

Omaji Samuel, Ahmad Almogren, Atia Javaid, Mansour Zuair, Ibrar Ullah, Nadeem Javaid, **"Leveraging blockchain technology for secure energy trading and least-cost evaluation of decentralized contributions to electrification in Sub-Saharan Africa"**, Entropy, V 22, I2, 222, 2020.

MMA Rahhal, Y Bazi, T Abdullah, ML Mekhalfi, M Zuair, **"Deep Unsupervised Embedding for Remote Sensing Image Retrieval Using Textual Cues"**, Applied Sciences, V 10, I24, 8931, 2020.

T Abdullah, Y Bazi, MM Al Rahhal, ML Mekhalfi, L Rangarajan, M Zuair, **"TextRS: Deep bidirectional triplet network for matching text to remote sensing images"**, Remote Sensing, V12, I3 405, 2020.

T Sultana, A Almogren, M Akbar, M Zuair, I Ullah, N Javaid, **"Data sharing system integrating access control mechanism using blockchain-based smart contracts for IoT devices"**, Applied Sciences, V10, I 2, 488, 2020

Helala Alshehri , Muhammad Hussain, Hatim A. Abolsamh, Qazi Emad-UI-Haq, Mansour Al Zuair, and Aqil M. Azmi, **"Alignment-Free Cross-Sensor Fingerprint Matching Based on the Co-Occurrence of Ridge Orientations and Gabor-HoG Descriptor"**, IEEE Access, June. 2019

Mohamad Al Rahhal ,Yakoub Bazi, Haidar Almubarak , Naif Alajlan, Mansour Al Zuair, **"Dense Convolutional Networks With Focal Loss and Image Generation for Electrocardiogram Classification"**, IEEE Access, Dec. 2019

Saif Ul Islam, Hasan Ali Khattak, Jean-Marc Pierson, Ikram Ud Din, Ahmad Almogren, Mohsen Guizani, **Mansour Zuair,** **"Leveraging utilization as performance metric for CDN enabled energy efficient internet of things"**, IEEE Access, Vol 147, Dec. 2019

Ikram Ud Din, Ahmad Almogren, Mohsen Guizani and **Mansour Zuair,** **"A Decade of Internet of Things: Analysis in the Light of Healthcare Applications"**, IEEE Access, Vol 7, July 2019.

Faiza Masood, Ghana Ammad, Ahmad Almogren, Assad Abbas, Hasan Ali Khattak, Ikram Ud Din, Mohsen Guizani, and Mansour Zuair, "Spammer Detection and Fake User Identification on Social Networks", IEEE Access, Vol 7, June 2019

Hedjar, Ramdane; **Al Zuair, Mansour Abdulaziz,** **"Robust Altitude Stabilization of VTOL-UAV for Payloads Delivery"**, IEEE Access Volume: 7, Pages: 73583-73592, May 2019

Alshehri, H ; Hussain, M ; Aboalsamh, HA ; Emad-UI-Haq, Q ; **Al zuair, M** ; Azmi, M, **"Alignment-Free Cross-Sensor Fingerprint Matching Based on the Co-Occurrence of Ridge Orientations and Gabor-HoG Descriptor"**, IEEE ACCESS , Volume: 7, 2019.

Mohamad Al Rahhal , Yakoub Bazi, Taghreed Abdullah , Mohamed L. Mekhalfi, Haikel AlHichri , **Mansour Al Zuair,** **"learning a Multi-Branch Neural Network from Multiple Sources for Knowledge Adaptation in Remote Sensing Imagery"**, Remote Sensing, Nov. 2018

Nassim Ammour, Laila Bashmal, Yakoub Bazi ,M. M. Al Rahhal, and **Mansour Zuair,** **"Asymmetric Adaptation of Deep Features for Cross-Domain Classification in Remote Sensing Imagery"**, IEEE Geoscience and Remote Sensing Letters, Vol. 15, NO. 4, April 2018.

Haikel Alhichri , Essam Othman , **Mansour Zuair** , Nassim Ammour, and Yakoub Bazi, **"Tile-Based Semisupervised Classification of Large-Scale VHR Remote Sensing Images"**, Journal Of Sensors, Vol 2018, 5 April 2018

Alshehri, H ; Hussain, M ; Aboalsamh, HA ; ; **Al zuair, M** ; **"A Large-Scale Study of Fingerprint Matching Systems for Sensor Interoperability Problem"**, Sensors, Volume: 18 issue :4, April 2018.

Abdul, W ; Alzamil, A ; Masri, H ; Ul Haq, QE ; Ghouzali, S ; Hussain, M ; AlZuair, M,

Latest	“Fingerprint and Iris Template Protection for Health Information System Access and Security”, JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS, Volume: 7, Issue: 6, OCT 2017.
Conferences	Uddin, MZ; Hassan, MM ; Almogren, A ; Zuair, M ; Fortino, G ; Torresen, J, “A facial expression recognition system using robust face features from depth videos and deep learning”, COMPUTERS & ELECTRICAL ENGINEERING, Volume: 63, Pages: 114-125, OCT 2017.
Books	Bashair Alwadei; Mansour Zuair; Mohamad Al Rahhal ; Yakoub Bazi ‘ ConvMixer with Selective Kernel Attention for Hyperspectral Image Classification ”, IGARSS 2022 - 2022 IEEE International Geoscience and Remote Sensing Symposium, 17-22 July 2022
Courses	Sara O. Alsaleh, Yakoub Bazi, Mohamad M. Alrahhal , Mansour Al Zuair, “ Open-Ended Visual Question Answering Model For Remote Sensing Images ” IGARSS 2022 - 2022 IEEE International Geoscience and Remote Sensing Symposium 17-22 July 2022.
Languages	Electronic Circuit Simulation using EWB, a book for Vocational High School, Technical and Vocational Training Corporation PCB Design , a book for Vocational High School, Technical and Vocational Training Corporation
Awards	Logic Design and HDL Computer Architecture and parallel Processors Microprocessors & Microcontrollers Data, Image and Video compression Discrete Math Arabic & English Ideal student for college of computer and Information Sciences 1986 Honored as one of the best students in computing in KSA by the 9 th National Conference for Computers hosted by ministry of Interior