
Taban Fouad Majeed

Data of Birth: 07.03.1981.

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Education

- **July 2010 – Oct. 2016 (UK): PhD in Computer Science (Medical Imaging).**
 - The University of Buckingham
 - School of Science
 - Applied computing department
- **May 2005 – March 2007 (Iraq): M.Sc. in Computer Science (Image Security).**
 - University of Koya
 - College of Information Technology
 - Computer Science Department
- **October 1999 – July 2003 (Iraq): B.Sc. in Computer Science**
 - University of Salahaddin
 - College of Education
 - Computer Science Department

Professional experiences

- **July 2010 – Aug. 2016: Ph.D. position at The University of Buckingham (United Kingdom)**
 - ▶ Thesis title: Segmentation, Super-resolution and Fusion for Digital Mammogram Classification
 - ▶ Environments: MATLAB.
 - ▶ Writing scientific documents in English.
 - ▶ Contributions:
 - Mammography is one of the most common and effective techniques used by radiologists for the early detection of breast cancer.
 - Developed and propose a scheme to remove irrelevant parts of the mammograms to prepare the image for feature extraction.
 - Different types of texture feature extraction schemes such as Local Binary Pattern (LBP), wavelet based multiscale LBP, Gray Level Co-occurrence Matrix (GLCM), and Histogram Oriented Gradient (HOG), have been investigated.
 - Develop multi-scale features based on wavelet and local binary patterns for mammogram classification.
 - Develop the use of feature and decision fusion to obtain better mammogram classification accuracy and overcome the limitation of using single feature type mentioned above.
 - Develop the use of super resolution to enhance mammograms prior to feature extraction. Experimental results show an improvement in classification accuracy.

- **October 2019: Start work at Sallahaddin University/ Collage of Science/ Computer Science department (Erbil).**
 - ▶ Given course: Image Processing.
 - ▶ Supervising B.Sc. graduation projects.
- **May 2007 – September 2019: KOYA university (Koya):**
 - ✓ **Instructor at software engineering department:**
 - ▶ Given courses: Computer networking, Data Security, Logic circuit design, Digital Circuit Design, image processing, and Computer Applications.
 - ▶ Supervising B.Sc. graduation projects.
- **Jan. 2005 – May 2007 : Akhtar High School for Girls (Koya)**
 - ▶ Teaching computer subjects in different stages.
- **Oct. 2003 – Jan. 2005 : Central Teacher Institute (Erbil):**
 - ▶ Teaching computer subjects in different departments.

Skills

- **Programming:** MATLAB, HTML.
- **Operating systems:** Windows.
- **Other:** Microsoft Office.

PUBLICATIONS

- Taban F. Majeed, Naseer Al-Jawad and Harin Sellahewa, “Breast Border Extraction and Pectoral Muscle Removal in MLO Mammogram Images”, Fifth Computer Science and Electronic Engineering Conference (CEEC 2013), September 17-18, 2013, University of Essex, Colchester, United Kingdom.
- Taban F. Majeed, Naseer Al-Jawad and Harin Sellahewa, “Breast Border Extraction and Pectoral Muscle Removal in MLO Mammogram Images”, in BioTrinity 2013 - European Biopartnering and Investment Conference - May 14-16, 2013, Newbury Berkshire, United Kingdom.
- Taban F. Majeed, Naseer Al-Jawad and Harin Sellahewa, “Breast Border Extraction and Pectoral Muscle Removal in MLO Mammogram Images”, in 9th London Hopper poster competition, 23 May 2013, London, United Kingdom.
- Rasber Dh. Rashid and Taban F. Majeed, "Edge Based Image Steganography: Problems and Solution", IEEE 2019 International Conference on Communications, Signal Processing, and their Applications (ICCSPA), Sharjah, United Arab Emirates, United Arab Emirates, 19-21 March 2019. <https://ieeexplore.ieee.org/document/8713712>
- A Asaad, D Ali, T Majeed, R Rashid, "Persistent Homology for Breast Tumor Classification using Mammogram Scans".
arXiv preprint arXiv:2201.02295
- T Majeed, R Rashid, D Ali, A Asaad, , "Issues associated with deploying CNN transfer learning to detect COVID-19 from chest X-rays", Physical and Engineering Sciences in Medicine 43 (4), 1289-1303.

Languages

- Kurdish (Mother tongue),
- English (Good),
- Arabic (Fluent).

Hobbies

- Traveling, Swimming, Decoration.