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Summary

I am currently working as Assistant Professor at the Hashemite University. In the period from 2005-2014, I have worked as an Instructor at the faculty of Prince Al-Hussein Bin Abdullah II for Information Technology. In February 2017, I finished my PhD degree in computer science from the school of computing and communications at the University of Technology, Sydney (UTS), Sydney, Australia. The title of my thesis is: "Tracking and Fine-Grained Activity Recognition in Depth Videos". I have excellent research and academic skills that I gained from my research and teaching work.

Education

PhD in Computer Science
Sydney, Australia
• University of Technology, Sydney (UTS)
2014 - 2017

Master in Computer Science
Mafraq, Jorda
• AL-Albayt Uinversiy
2002 - 2005

Bachelor of Computer Science
Karak, Jordan
• Mu'tah University
1997 - 2001

Work Experience

Head of Computer Science Department
2018-2019
Assistant Professor
Zarqa, Jordan
• The Hashemite University
2017-now

Lecturer
Zarqa, Jordan
• The Hashemite University
2005-2014

Teaching and Research Assistant
Zarqa, Jordan
• The Hashemite University
2001-2002

Skills

Programming Languages: Matlab, C, Microsoft Visual C++, Microsoft Visual Basic, Java.
DataBases: Oracle/SQL and Microsoft Access.
Operating Systems: Microsoft Windows, Linux.
Data Mining Tools: WEKA (Waikato Environment for Knowledge Analysis), Miner 3D, SAS.
Others: Open Source Computer Vision (OpenCV), Bays and Image processing toolboxes, LATEX.

Research Interests

My research interests include: dimensionality reduction, computer vision, pattern recognition, machine learning and its applications to Video analysis. During my PhD study, I have developed a novel technique for Tracking and Fine-Grained activities in Depth videos

Research Publications

Thesis

• Sari Awwad, "Tracking and Fine-Grained Activity Recognition in Depth Videos", PhD Thesis, University of Technology, Sydney (UTS), Sydney, Australia, 2010.

Conferences

Sari Awwad, Fairouz Hussein, and Massimo Piccardi. "Local depth patterns for tracking in depth videos." In Proceedings of the 23rd ACM international conference on Multimedia, pp. 1115-1118. ACM, 2015.

Sari Awwad, and Massimo Piccardi. "Local depth patterns for fine-grained activity recognition in depth videos." In Image and Vision Computing New Zealand (IVCNZ), 2016 International Conference on, pp. 1-6. IEEE, 2016.

Hussein, Fairouz, Sari Awwad, and Massimo Piccardi. "Joint action recognition and summarization by sub-modular inference." In Acoustics, Speech and Signal Processing (ICASSP), 2016 IEEE International Conference on, pp. 2697-2701. IEEE, 2016.

Sari Awwad. "Arabic Word stemming Based on Pattern Affixes Removal." In 2019 10th International Conference on Information and Communication Systems (ICICS), pp. 1-6. IEEE, 2019.

Journals

Sari Awwad, and Massimo Piccardi. "Prototype-based budget maintenance for tracking in depth videos." *Multimedia Tools and Applications* (2016): 1-16.

Sari Awwad, Sanjay Tarvade, Massimo Piccardi, and David J. Gattas. "The use of privacy-protected computer vision to measure the quality of healthcare worker hand hygiene." *International Journal for Quality in Health Care* (2018).

Sari Awwad, Mustafa Hammad, and Safaa Al-Haj Saleh. "Non-vocalised Arabic word classifications based on mining affixes features." *International Journal of Computer Applications in Technology* 59, no. 4 (2019): 347-353.

Abdallah, Emad E., Ahmed Fawzi Ootom, Alaa E. Abdallah, Mohammad Bsoul, and Sari Awwad. "A Hybrid Secure Watermarking Scheme Using Nonnegative Matrix Factorization and FastWalsh-Hadamard Transform." *Journal of Applied Security Research* (2019): 1-14.

Qawasmeh, Yasser, Sari Awwad, Ahmed Fawzi Ootom, Feras Hanandeh, and Emad Abdallah. "Local patterns for offline Arabic handwritten recognition." *International Journal of Advanced Intelligence Paradigms* 16, no. 2 (2020): 203-215.

Sari Awwad, Sahar Idwan, and Hasan Gharaibeh. "Real-time sign languages character recognition." *International Journal of Computer Applications in Technology* 65, no. 1 (2021): 36-44.

Hammad, Mustafa, Maen Hammad, Batool Horani, and Sari Awwad. "Mining historical changes to predict software evolution." *International Journal of Advanced Intelligence Paradigms* 18, no. 4 (2021): 502-515.

References

- A/Prof. Maen Hammad
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