

Ambreen Hussain
Lecturer
Department of Computer Science
BCU staff Email: Ambreen.Hussain@bcu.ac.uk



Employment

Lecturer in Computing

Lecturer
Department of Computer Science
Birmingham City University
1 Aug 2025 → present

Research outputs

Hybrid Deep Learning Approaches Enable Intrusion Detection System for Zero-Day Phishing Detection

Shaikh, N., Hussain, A. (Corresponding / Lead Author), Mastoi, Q.-U.-A., Memon, A. A., Jamil, A. & Lakhan, A. (Corresponding / Lead Author), 15 Dec 2025, In: VFAST Transactions on Software Engineering. 13, 4, p. 82-96

Evaluating the Forest Ecosystem through a Semi-Autonomous Quadrupe Robot and a Hexacopter UAV

Hussain, A., 6 Jun 2022, MDPI.

An MDE-based Methodology for Closed-World Integrity Constraint Checking in the Semantic Web

Hussain, A., Wu, W. & Tang, Z., 19 May 2022, In: Journal of Web Semantics. 74

Large-scale Tree Detection through UAV-based Remote Sensing in Indonesia: Wallacea Case Study: Wallacea Case Study

Kurniawan, I. F., Aneiba, A., Hussain, A., Idrissi, M., Dunggio, I. & Asyhari, A. T., 27 Mar 2022, *Proceedings - 2022 8th International Conference on Information Management, ICIM 2022*. Institute of Electrical and Electronics Engineers Inc., p. 110-115 6 p. (Proceedings - 2022 8th International Conference on Information Management, ICIM 2022).

Low Latency and Non-Intrusive Accurate Object Detection in Forests: IEEE Symposium Series on Computational Intelligence (IEEE SSCI 2021)

Hussain, A., Barua, B., Osman, A., Abozariba, R. & Asyhari, A. T., 24 Jan 2022.

Real-Time Object Detection with Automatic Switching between Single-Board Computers and the Cloud: 2021 IEEE Symposium Series on Computational Intelligence (SSCI)

Osman, A., Abozariba, R., Asyhari, A. T., Aneiba, A., Hussain, A., Barua, B. & Azeem, M., 24 Jan 2022.

Improving Water Pressure Measurement Using Temperature-Compensated Wireless Passive SAW Bidirectional RDL Pressure Sensor

Tang, Z., Wu, W., Gao, J., Yang, P., Hussain, A., Luo, J., Tao, R., Fu, C. & Li, T., 14 Oct 2021, In: IEEE Transactions on Instrumentation and Measurement. 71

Performance of MobileNetV3 Transfer Learning on Handheld Device-based Real-Time Tree Species Identification

Hussain, A., Barua, B., Osman, A., Abozariba, R. & Asyhari, A. T., 4 Sept 2021, *International Conference on Automation and Computing (ICAC)*. IEEE

Sustainable Interoperability and Data Integration for the IoT-Based Information Systems

Hussain, A. & Wu, W., 23 Jun 2017.

Implementation of OGC Compliant Framework for Data Integration in Water Distribution System

Hussain, A., 1 Sept 2015, In: *Procedia Engineering*.

A Generic Framework to Integrate Water Supply Distribution Systems Using Interoperable Standards

Hussain, A., 3 Jul 2015, *Proceedings of the 36th IAHR World Congress*.

INTEGRATION OF WATER SUPPLY DISTRIBUTION SYSTEMS BY USING INTEROPERABLE STANDARDS TO MAKE EFFECTIVE DECISIONS

Anzaldi, G., Wu, W., Abecker, A., Rubion, E., Hussain, A. & Corchero, A., 1 Aug 2014, *1th International Conference on Hydroinformatics HIC 2014, New York City, USA*,. New York City, USA, Vol. 3. p. 1696 1703 p.

Automated testing of a vehicle instrument cluster

Hussain, A., 31 Dec 2012, *International Conference on Systems Engineering*.