

Academic Resume



Helen Bakhsh

Assistant Professor, Computer Science Department

Contact Information.

Room 109, hbakhsh@kau.edu.sa.

Highest Degree.

2016, Ph.D, Wireless Networks, University of Manchester, UK.

Academic and Professional Experiences.

1. **2017 - Present**
Assistant Professor, Faculty of Computing and Information Technology, King AbdulAziz University.
2. **2008 - 2017**
Lecturer, Faculty of Computing and Information Technology, King AbdulAziz University.
3. **2000 - 2008**
IT, Faculty of Sciences, King AbdulAziz University.

Research Interests.

Ad-hoc and sensor networks, Internet of Things (IoT), Smart Cities, Wireless networks, Performance Evaluation
- Quality of Service, computer vision, Image and video analysis.

Teaching Interests.

Wireless Network, Computer Programming, Computer Network, Data Structure.

Certifications and Trainings.

Social, Scientific and Professional Affiliation.

1. 2017-Present, Part of, Postgraduate Committee in CS.

Publications.

1. Haneen Alhomayni, Mai Fadel, Nikos Dimitriou, Helen Bakhsh, Ghadah Aldabbagh, Samar Alkhuraiji, "Multi-Hop Routing Protocols For Oil Pipeline Leak Detection Systems", Electronics, vol: 11, pp. 2078, 2022.
DOI: [10.3390/electronics11132078](https://doi.org/10.3390/electronics11132078)
2. Seham S. Bakhder, Ghadah Aldabbagh, Nikos Dimitriou, Samar Alkhuraiji, Mai Fadel, Helen Bakhsh, "Iot Networks For Monitoring And Detection Of Leakage In Pipelines", International Journal Of Sensor Networks, vol: 38, pp. 241, 2022.
DOI: [10.1504/IJSNET.2022.122559](https://doi.org/10.1504/IJSNET.2022.122559)
3. Rawan Hassoubah, Etimad Fadel, Helen Bakhsh, "Efficient And Fair Node Selection Algorithm For Content Distribution In Mobile Ad-Hoc Networks (Manets)", International Journal Of Innovative Science, Engineering & Technology, Vol. 6 Issue 7, 2019.
4. Helen Bakhsh, Ning Zhang, Andy Carpenter, "Tadl-V2: An Improved Trust-Aware Dynamic Location-Based Adaptation Protocol For Discovering Multiple Paths In Manets", 12th Eai International Conference On Mobile And Ubiquitous Systems: Computing, Networking And Services, 2015.
DOI: [10.4108/eai.22-7-2015.2260248](https://doi.org/10.4108/eai.22-7-2015.2260248)
5. Helen Bakhsh, Ning Zhang, Andy Carpenter, "Tadl", The 2015 International Conference, pp. 1-10, 2015.
DOI: [10.1145/2684464.2684491](https://doi.org/10.1145/2684464.2684491)
6. Manal Abdullah, Helen Bakhsh, "Agent-Based Dynamic Routing System For Manets", Volume 9, Issue 1, 2009.
7. Helen Bakhsh, Manal Abdullah, "Arpm: Agent-Based Routing Protocol For Manet", International Journal Of Internet Protocol Technology, vol: 3, pp. 136, 2008.
DOI: [10.1504/IJIPT.2008.020471](https://doi.org/10.1504/IJIPT.2008.020471)