

## *Lecturer in computing and Cybersecurity*

**Khalid Rabeyee**

**(PhD, MSc, BSc)**

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*A caring and knowledgeable computing lecturer at the University of Tripoli. Many years of Teaching in higher education and research experience with professional communication, and teamwork skills.*

<b>Education Degree Title</b>		<b>Awarding University</b>
<b>Apr 2014 – Oct 2019</b>	<p><b>PhD in Computing</b> (Awarded on 10<sup>th</sup> Oct 2019)</p> <p><b>Subject Area:</b> Machine learning and Multi Resolution Data Analysis</p> <p><b>Thesis Title:</b> Artificial Intelligence Technique and Multi Resolution Data Processing for Condition Monitoring*.</p> <p>* An implementation of Artificial Intelligence using A modified Unsupervised Componential Coding Neural Network and a novel Activation Function for Multi Resolution Data Analysis to analysis sensory data gathered from accelerometers.</p> <p>An experimental study with a research design that provides data interpretation and classify the condition of the input data.</p>	The University of Huddersfield UK.
<b>Sep 2004 – Jul 2007</b>	<p><b>MSc in Information Technology</b></p> <p>A full-time taught master programme that leads to MSc, Informatics (with distinction).</p>	Academy of Postgraduate Studies, Tripoli, Libya
<b>Mar 1993- Dec 1997</b>	<p><b>Bachelor in Computer Programming and Applications</b></p> <p>A 4 year full-time taught programme that included 42 modules covering various topics in Computing, data analysis and design.</p>	University of Elmergib, Libya.
<b>Skills Training Course Title</b>		<b>Awarding Body</b>
<b>Apr 2016</b>	<p style="text-align: center;"><b>Teaching Assistant Preparation Programme (TAPP)</b></p> <p>The central components of this Course include: an introduction to learning and teaching; small group teaching; designing learning activities; working with disabled students; working with large groups, assessment and feedback; evaluation of teaching and learning.</p>	The University of Huddersfield, UK.
<b>Apr 2013 – Mar 2014</b>	<p><b>Academic English course</b></p> <p><b>Course Title:</b> Studying English for Postgraduate Studies purposes.</p>	The University of Leeds, UK.

	<b><i>Employment History Position Title</i></b>	<b>Employer</b>
<b>Sep 2025-Present</b>	<p align="center"><b>Lecturer in Cybersecurity</b></p> <ul style="list-style-type: none"> <li>Teaching Cybersecurity Modules</li> <li>Preparation of lectures and materials, Assignment setting.</li> </ul> <p>Perform standard teaching administration such as marking, invigilating</p>	Faculty of IT, University of Tripoli, Libya
<b>Sep 2024- June2025</b>	<p align="center"><b>Lecturer in Computing</b></p> <ul style="list-style-type: none"> <li>Teaching Computing modules C++, Advanced databases, Computer Networks, Principles of Computer science</li> <li>Preparation of lectures and materials, test setting.</li> </ul> <p>Perform standard teaching administration such as marking, invigilating exams and handling student records.</p>	Elmergib University, Libya
<b>Jan 2023-July 2024</b>	<p align="center"><b>Lecturer in Computing</b></p> <ul style="list-style-type: none"> <li>Teaching introduction into Computer Science and Data analysis</li> <li>Preparation of lectures and materials, assignment setting.</li> </ul> <p>Perform standard teaching administration such as marking, invigilating exams and handling student records.</p>	Leeds Beckett University, UK
<b>Jan 2024-May 2024</b>	<p align="center"><b>Part-time Lecturer in Computing,</b></p> <ul style="list-style-type: none"> <li>Delivering teaching lessons in Digital Technology.</li> <li>Supervise student in their practical sessions and assignments.</li> <li>Marking and assessing students work.</li> </ul>	Arden University, Manchester, UK
<b>May 2023-Jan 2024</b>	<p align="center"><b>Part-time Lecturer in Computing,</b> HND Digital Technology (Pearson)</p> <ul style="list-style-type: none"> <li>Delivering teaching lessons in Digital Technology.</li> <li>Supervise student in their practical sessions and assignments.</li> </ul> <p>Marking and assessing students work.</p>	GBS Leeds, UK
<b>Nov 2021-Jan 2023</b>	<p align="center"><b>Lecturer in Computing</b></p> <ul style="list-style-type: none"> <li>Teaching T level in Digital Technology (Pearson)</li> <li>Delivered teaching lessons in computer science, including algorithms, programming, , data analysis, and software development.</li> </ul>	Calderdale College, Halifax, UK
<b>Dec 2019 - Jun 2021</b>	<ul style="list-style-type: none"> <li>Research Affiliate</li> </ul>	School of Computing University of Huddersfield, UK.
<b>Feb-June 2019</b>	<p align="center"><b>Tutor</b></p> <ul style="list-style-type: none"> <li>Delivered Lap demonstrations in sensory data analysis techniques.</li> <li>Extensive training course for small groups, includes theoretical and practical sessions in sensory data analysis techniques (summer school programme each subgroup 3 students)</li> <li>Designed and prepared the materials and the equipment used during the course.</li> <li>Supervised and assessed student presentations.</li> </ul>	School of Computing, The University of Huddersfield UK.
<b>Oct 2007- July 2012</b>	<p align="center"><b>Computer Science &amp; Data analysis Lecturer</b></p> <ul style="list-style-type: none"> <li>Delivering teaching sessions with a passion for teaching students how to think critically and solve problems.</li> <li>Conduct appropriate assessments that measure student performance and meet learning objectives.</li> <li>Assisting with programme development</li> <li>A team member reviewed and improved coursework, teaching methods and facilities.</li> </ul>	University of Almergib Alkhoms, Libya.
<b>Dec 1999- Sep 2007</b>	Computer programmer and IT support	Research & Development Centre, Tripoli, Libya.

<i>Other relevant experience</i>		<i>Employer</i>
<b>June 2021- August 2024</b>	Invigilator for Computer Delivered Exams (IELTS & ACCA)	British Council
<b>2019</b>	Assisting in supervising two postgraduate dissertations (MSc).	School of Computing, The University of Huddersfield UK.

## ***Research and Publications***

1. Zhou, Z., Chen, B., Gong, X., Sun, X., Hu, Z., Rabeyee, K., ... & Muhamedsalih, Y. (2023, August). An Extensive Review of Tribo-Dynamic Modelling for Rolling Element Bearing Condition Monitoring. In *International conference on the Efficiency and Performance Engineering Network* (pp. 985-999). Cham: Springer Nature Switzerland.
2. Alqatawneh, I., Deng, R., Rabeyee, K., Chao, Z., Gu, F. and Ball, A.D., 2021, September. A Developed Convolutional Neural Network Architecture for Condition Monitoring. In *2021 26th International Conference on Automation and Computing (ICAC)* (pp. 1-6). IEEE.
3. Xu, Y., Zhen, D., Gu, J.X., Rabeyee, K., Chu, F., Gu, F. and Ball, A.D., 2021. Autocorrelated Envelopes for early fault detection of rolling bearings. *Mechanical Systems and Signal Processing*, 146, p.106990.
4. Alqatawneh, I., Rabeyee, K., Zhang, C., Feng, G., Gu, F. and Ball, A.D., 2020, April. A Modified Activation Function for Deep Convolutional Neural Network and Its Application to Condition Monitoring. In *International Conference on Maintenance Engineering* (pp. 895-909). Cham: Springer International Publishing.
5. Alashter, A., Cao, Y., Rabeyee, K., Alabied, S., Gu, F. and Ball, A.D., 2020. Bond graph modelling for condition monitoring of induction motors. In *Advances in Asset Management and Condition Monitoring: COMADEM 2019* (pp. 511-523). Springer International Publishing.
6. Rabeyee, K., Xu, Y., Alashter, A., Gu, F. and Ball, A.D., 2020. A Componential Coding Neural Network Based Signal Modelling for Condition Monitoring. In *Advances in Asset Management and Condition Monitoring: COMADEM 2019* (pp. 559-572). Springer International Publishing.
7. Rabeyee, K., Xu, Y., Gu, F. and Ball, A.D., 2019, September. A Novel Wavelet Thresholding Method for Vibration Data Denoising and Diagnostic Feature Enhancement in Condition Monitoring. In *2019 25th International Conference on Automation and Computing (ICAC)* (pp. 1-6). IEEE.
8. Alabied, S., Daraz, A., Rabeyee, K., Alqatawneh, I., Gu, F. and Ball, A.D., 2019, September. Motor current signal analysis based on machine learning for centrifugal pump fault diagnosis. In *2019 25th International Conference on automation and computing (ICAC)* (pp. 1-7). IEEE.
9. Rabeyee, K., Xu, Y., Alabied, S., Gu, F., & Ball, A. 2019. Extraction of Information From Vibration Data Using Double Density Discrete Wavelet Analysis for Condition Monitoring. In *Sixteenth International Conference on Condition Monitoring and Asset Management (CM 2019)* [149467] British Institute of Non-Destructive Testing.
10. Rabeyee, K., Tang, X., Gu, F., & Ball, A. D. 2019. The Effect of Wear Evolution on Vibration-based Fault Detection in Tapered Roller Bearings. *International Journal of Condition Monitoring*, 9(1), 18-23.
11. Rabeyee, K., Tang, X., Xu, Y., Zhen, D., Gu, F., & Ball, A. D. 2018, September. Diagnosing the change in the internal clearances of rolling element bearings based on vibration signatures. In *2018 24th International Conference on Automation and Computing (ICAC)* (pp. 1-6). IEEE.