Date: 10/14/2021

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| **Rami Salah Eddin Yousif Sihwail** |

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| **Personal information** |
|  | Title: Faculty member / Cyber Security Dept. |
|  | Academic Rank: Assistant Professor |
|  | Date & Place of Birth: 09/09/1977 |
|  | Nationality: Jordanian |
|  | Address: Amman, Jordan |
|  | Phone No.:  |
|  | e-mail: r.sihwail@aau.edu.jo |

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| **Academic qualifications** |
| Degree | Major | Duration(From-To) | University | Country |
| Ph.D. | Computer Science/ Cyber security | 2018-2021 | The National University of Malaysia (UKM) | Malaysia |
| Master | Computer Science/ Distributed Computing | 2000-2002 | University Putra Malaysia (UPM) | Malaysia |
| Bachelor  | Computer Science | 1995-1999 | Al Al-Bayt University | Jordan |
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| **Teaching experience** |
| Duration | Rank | Institution | Department/Faculty | Country |
| 2010-2019 | Lecturer | *King Faisal University (KFU)* | Computer Science | Saudi Arabia |
| 2005-2009 | Lecturer | *Emirates College of Technology* | Computer Science | United Arab Emirates |
| 2001-2004 | Teacher | *Saudi School in Kuala Lumpur*  | Computer Science | Malaysia |
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| **Other experience** |
| Duration | Rank | Institution | Department/Faculty | Country |
| 1999-2001 | Application Developer | Global Business Company | IT Dept. | Jordan |
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| **Publications** |
| **Journals** |  |  |
| Author/s (In Order) | Title | Journal | Vol./No. | Publication Date |
| * Sihwail, R., Solaiman, O., Omar, K., Akram, K. & Alswaiti, M. A Hybrid Approach for Solving Systems of Nonlinear Equations Using Harris Hawks Optimization and Newton’s Method. IEEE Access 9. 95791-95807. (2021).
* Elgamal, Z. M., Yasin, N. M., Sabri, A. Q. & Sihwail, R. Improved Equilibrium Optimization Algorithm Using Elite Opposition-Based Learning and New Local Search Strategy for Feature Selection in Medical Datasets. Computation 9(6): 68. (2021).
* Sihwail, R., Omar, K. & Ariffin, K. A. Z. An Effective Memory Analysis for Malware Detection and Classification. Computers, Materials & Continua, 67(2): 2301–2320. (2021).
* Sihwail, R., Omar, K., Akram, K. & Mohammed, T. Improved Harris Hawks Optimization Using Elite Opposition-Based Learning and Novel Search Mechanism for Feature Selection. IEEE Access 8: 121127–121145. (2020).
* Sihwail, R., Omar, K., Zainol Ariffin, K. & Al Afghani, S. Malware Detection Approach Based on Artifacts in Memory Image and Dynamic Analysis. Applied Sciences, 9(18): 3680. (2019).
* Sihwail, R., Omar, K., & Ariffin, K. Z. A survey on malware analysis techniques: Static, dynamic, hybrid and memory analysis. International Journal on Advanced Science, Engineering and Information Technology, 8(4-2), 1662. (2018).
 |
| **Conferences** |  |
| Author/s(In Order) | Title | Conference | Country | Date |
| * Sihwail, R., Omar, K. & Ariffin, K. A. Z. A survey on malware analysis techniques: Static, dynamic, hybrid and memory analysis. International Conference on Advanced Science, Engineering and Information Technology (ICASEIT 2018). pp. 1662–1671. Sarawak. Malaysia. 1-3 November 2018.
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| **Memberships OF Scientific and professional societies** |
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| **university Committees** |
| * Strategic planning
* Risk management
* Career opportunity enhancement
* International academic accreditation (ABET)
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| **Workshops Attended** |
| * *Managing Active Classroom, 2019*
* *Exam taxonomy, 2018*
* *Project-based exams, 2018*
* *Develop student leadership, 2018*
* *Curriculum Development, 2008*
* *Research Methodology, 2008*
* *Syllabus & Exam Taxonomy,* 2008
* *Quality development,* 2007
 |
| **Workshops Offered** |
| * *Cyber security awareness, 2019*
* *MS Excell/ Intermediate level, 2015*
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| **Research interests** |
| My research interests are in the fields of cybersecurity and artificial intelligence. My research focuses on malware analysis, intrusion detection systems, ethical hacking, digital forensics, feature extraction, feature selection, optimization, and machine learning in several environments such as cloud, network, and end-user systems. |
| **Languages** |
| English: FluentArabic: Native  |

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| **Other Community activities** |
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| **Awards received** |
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| **Graduate Students Supervision** |
| Student Name | Thesis Title |
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| **References** |
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| **Prof. Dr. Khairuddin Omar** |
| **Job title:** | Professor of Computer Science |
| **Company:** | The National University of Malaysia (UKM) |
| **Email:** | ko@ukm.edu.my |
| **Relation:** | Ph.D. supervisor. |
| **Dr. Mohammed Noor Injadat**  |
| **Job title:** | Senior instructor in software engineering |
| **Company:** | University of Western Ontario |
| **Email:** | minjadat@uwo.ca |
| **Relation:** | Head of computer science unit at Emirates college of technology (former). |

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| **Dr. Sanad Al Afghani**  |
| **Job title:** | Senior instructor in computer science |
| **Company:** | King Faisal University |
| **Email:** | safghani@kfu.edu.sa |
| **Relation:** | Head of computer science unit. |

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