



Professor. Ibrahim M. Obeidat

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Marital status. Married

Nationality. Jordanian

Place of Birth. Jordan

Objective. to obtain a challenging position as a professor, where I can develop a solution in Cyber Security, Networking and AI

Summary of Qualifications

- ✓ Information Technology Department Dean
- ✓ Director of Information Technology, Communication and E-learning Center
- ✓ Chair of Computer Information Systems for 4 years.
- ✓ Participating in Huge Projects (focuses on Cyber security and Higher Education).
- ✓ Over 15 Years acting as Electronic Warfare Officer (Cyber Security) Jordanian Armed Forces.
- ✓ Over 15 years' experience in scientific research.
- ✓ Over 15 years' experience in teaching at the university level.
- ✓ Motivated, Capable of independent work as well as teamwork.

Education

- ✓ August 2008 PhD of Computer science, Department of Computer Science, The George Washington University, Washington DC, USA
- ✓ 2002 Masters of Computer Science, Department of Computer science, The New York Institute of technology, USA
- ✓ 1988 Bachelor of Telecommunications Engineering, Department of Engineering, M'utah University Jordan

Research Interests

Cyber Security Analysis, Digital Forensics, Ethical hacking and penetration testing, Networking, Algorithms, Data mining, and Information retrieval.

Work Experience

Sep.2024 – Now

Dean of the Prince Al Hussein Bin Abdullah II Faculty of Information Technology

Sep.2020 – Sep.2024

Director of Information Technology, Communication and E-learning center.

Jan 2020 – Sep.2020

Professor, Department of Computer Information System, The Hashemite University, Jordan.

Aug 2016 – Jan 2020

Associate Professor, Department of Computer Information System, the Hashemite University, Jordan.

Oct 2015- Aug 2016

Associate Professor, Department of information and Computer Science, Saudi electronic University, KSA

March 2013 – Oct 2015

Associate Professor, Department of Computer Information System, the Hashemite University, Jordan.

Sep. 2009 –sep.2013

Chairman of Computer Information System Department, The Hashemite University, Jordan.

October 2008– Sep.2009

Assistant Professor, Department of Computer Science, The Hashemite University, Jordan.

Languages

English and Arabic: written, and spoken.

Courses Taught

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| ✓ <i>Cyber Security Defense</i> | ✓ <i>Software Design</i> |
| ✓ <i>Cyber Security Analyses</i> | ✓ <i>Object Oriented Programming</i> |
| ✓ <i>Ethical Hacking and penetration testing</i> | ✓ <i>Computer Skills</i> |
| ✓ <i>Computer Security</i> | ✓ <i>Logic design</i> |
| ✓ <i>Research Methodology</i> | ✓ <i>Computer Algorithms</i> |
| ✓ <i>Computer networks</i> | ✓ <i>Data Structures Using Java</i> |
| ✓ <i>Computer Organizations</i> | ✓ <i>IT Project Management</i> |
| ✓ <i>Computer Architecture</i> | ✓ <i>Machine Learning</i> |

Research Projects Funding

- ✓ *Participated In Jordan–NATO Project “Support for Implementing a Cyber Security Strategy for Jordan” 425000 Euros, NATO Science for Peace and Security Programme Started Program (2012- 2016).*

- ✓ Participated in the Tempus project "Towards a university enterprise alliance in Jordan" (TEJ) project number (544259-TEMPUS-1-2013-1-JO-TEMPUS-JPHES)", Coordinator professor Walid Salamah.
- ✓ Participated in the Tempus project "Climate Change and Sustainability Policy (CLIMASP) project number (543879-TEMPUS-1-2013-1-GR-TEMPUS-JPCR)", Coordinator Dr. Theodora.
- ✓ 80,000 JD Co-Applicants Dr. Ahmad Khasawneh, Dr. Emad E. Abdallah, and Dr. Feras Hanandeh, Deanship of scientific Research - Hashemite University - new researchers' startup program (Dec. 2010 ~ Dec. 2012) Topic: Capacity Building of eLearning Systems at Hashemite Universities.
- ✓ 2500 JD Co-Applicants Dr. Ahmad Khasawneh, and Dr. Feras Hanandeh, Deanship of scientific Research - Hashemite University - new researchers' start-up program (Dec. 2012 ~ Dec. 2013) Topic: "Computer based clinical decision support system for hepatitis disease diagnosis/"

External Examiner

- ✓ The University of Jordan (Several Master degrees)
- ✓ Princess Sumaih University (Several Master degrees)
- ✓ Zaytoonah University (Several Master degrees)
- ✓ Yarmuk University (Several Master degrees)
- ✓ Murdoch University, Perth, Western Australia (PhD Degree)
- ✓ Newcastle University (Several PhD Degrees)
- ✓ Mutah University (Several Master degrees)

Referee for

- ✓ Journal of network and computer applications (Elsevier)
- ✓ Journal of wireless personal communications (Springer)
- ✓ International Journal of Business Information Systems
- ✓ (Inderscience) Jordan Journal of Electrical Engineering (JJEE)

Publications.

Journals.

1. *D. abulial, I. Obeidat, et al. : Deep learning-driven multi-layer intrusion detection and prevention framework for resilient defense against adaptive evasion techniques in modern networks," International Journal of Data and Network Science*Open source preview, 2026, 10(1), pp. 37–52
2. *D. abulial, I. Obeidat, et al. : Multi-Scale Generative Adversarial Networks and Attention Mechanism Based Enhanced Robust Image Steganography," SCIENTIFIC CULTURE, Vol. 12, No. 1, (2026), pp. 189–202*
3. *S. Ghassan A. Raed,I.Obeidat, "Strategic Optimization of Convergence and Energy in Federated Learning Systems", International Arab Journal of Information Technology, 2025*
DOI: 10.34028/iajit/22/6/1
4. *I. Obeidat , et al : Web Exploits Unveiled a Comprehensive Study on SQL Injection Attacks and Mitigation" Management Book Chapter2025 DOI: 10.4018/979-8-3373-17175.ch009Copy to clipboard"*
5. *I. Obeidat , Et Al : Adding Extra Security Layer To Chatgpt: Machine Learning Based Model To Detect Malicious Cybersecurity Prompts, " Journal Of Cluster Computing"2025 , Doi: 10.1007/S10586-025-05144-Z*
6. *D. abulial, I. Obeidat, et al. : A Novel Scheme to Optimize LSB Steganography Based on a Logistic Chaotic Map and Genetic Algorithm" Iraqi Journal for Computer Science and Mathematics" 2025;6:296–308"*
7. *I.Obeidat et al. A novel secure cryptography model for data transmission based on Rotor64 technique, Multimedia Tools and Applications , Springer US 2024 pages 37295–37314*
8. *A. Mughaid, I. Obeidat, L. Abualigah, S. Alzubi, Intelligent cybersecurity approach for data protection in cloud computing based Internet of Things, International Journal of Information Security , Springer Berlin Heidelberg 2024, Pages 2123–2137*
9. *I.Obeidat et al. Adding Extra Security Layer to ChatGPT: Machine Learning Based Model to Detect Malicious Cybersecurity Prompts : " the journal of Cluster Computing , Accepted 2024*

10. I. Obeidat, A. Al-zou'bi, A Mughaid, L. Abualigah : Investigating the cyberbullying risk in digital media: protecting victims in school teenagers, *Social Network Analysis and Mining 2023* DOI: <https://doi.org/10.1007/s13278-023-01152-2>
11. I. Obeidat, A Mughaid, O Alofishat : A New Detection Jamming Attack Model on VANET Ad hoc Networks 2023 DOI: 10.21203/rs.3.rs-2371703/v1 PPR: PPR63265
12. Ala Mughaid, Ibrahim Obeidat, Shadi AlZu'bi, Esraa Abu Elsoud, Asma Alnajjar, Anas Ratib Alsoud, Laith Abualigah : A novel machine learning and face recognition technique for fake accounts detection system on cyber social networks, *Multimedia Tools and Applications, 2023*
13. Ala Mughaida, Ibrahim Obaidata, Ashraf Aljammala, Shadi AlZu'bib, Fatima Quiamb, Dena Abu Lailaa, Aseel Al-zou'bia and Laith Abualigah, "Simulation and analysis performance of ad-hoc routing protocols under DDoS attack and proposed solution", *International Journal of Data and Network Science 2023*

14. M.Maabrah , I. Obeidat : Towards Data-Driven Network Intrusion Detection Systems: Features Dimensionality Reduction and Machine Learning, *Journal of Interactive Mobile Technologies (ijIM), VOL. 16 NO. 14 (2022) /*
15. Ibrahim Obeidat, Ahmed AL Arjan, Rula AL Amrat, Rathaa AL Ajmi An authentication model based on cryptography , *arXiv preprint arXiv:2108.06807, 2021*
16. Obeidat ,et al : Intensive Preprocessing of KDD Cup 99 for Network Intrusion Classification Using Machine Learning Techniques, *International Journal of Interactive Mobile Technologies (ijIM), vol 13 , No 1 (2109)*
17. Obeidat , A. magheid , S. Alzoubi "A secure encrypted protocol for clients' handshaking in the same network", *International Journal of Interactive Mobile Technologies (ijIM), vol 13 , No 5 (2109)*
18. Obeidat , Mazen alzoubi : "Developing a Faster Pattern Matching Algorithms for Intrusion Detection system " *international Journal of Computing , vol 11 , a. Issue 9 , pp 278-284, 2109*
19. Obeidat, A. Abu Abid , H. Natouryeh : Enhancing The AD-HOC Mesh Networks Infrastructure Rural Areas: Adaptive Aproach. *Journal of Theoretical and Applied Information Technology 31st October 2016. Vol.92. No.2*
20. Nabhan Hamadne, Mouhammd Al-Kasassbeh, Ibrahim Obiedat, Mustafa BaniKhalaf" Revisiting the Gentle Parameter of the Random Early Detection (RED) for TCP Congestion Control" *Journal of Communications Vol. 14, No. 3, March 2019*

21. Sa'ed Abed, Ashraf Hasan Bqerat, Ahmad Al-Khasawneh, Ayoub Alsarhan, Ibrahim Obeidat. *Towards improving the performance of distributed virtual memory based reversal cache approach. IJCAT 51(3): 247-256 (2015)*
22. Ayoub Alsarhan, Ahmad Al-Khasawneh, Awni Itradat, I. Obeidat, Mohammad Bsoul. *Spectrum trading for routing in a multi service cognitive mesh network, Int. J. Mobile Network Design and Innovation, Vol. 5, No. 2, pp. 85-96, 2013.*
23. Obeidat, A. Khasawneh, M. Bsoul, and Y. Kilani, "Toward Power Consumption In Wireless Sensor Networks Routing Technique" (2013) .*Int. J. Of Networking and Virtual Organizations, Vol. 12, No. 3, 2013.*
24. Obeidat A. Khasawneh, M. Bsoul, and A. Alsarhan (2013) "Computer based clinical decision support system for hepatitis disease diagnosis" *Int. J. of Advancements in Computing Technology, Vol. 5, No. 14, 2013.*
25. Y. Kilani, M. Bsoul, I. Obeidat, and M. Al-Rababaa, (2012) "Islandsat," *International Journal of Advanced Intelligence Paradigms, vol. 4, no. 3/4, pp. 278-298, 2012*
26. Alsarhan, A. Agarwal, M. Bsoul, I. Obeidat, A. Al-Khasawneh, and Y. kilani, "Optimal spectrum utilization in cognitive network using combined spectrum sharing approach. a. Overlay, underlay and trading," *International Journal of Business Information Systems, 2012, accepted for publication.*
27. M. Bsoul, A. Al-Khasawneh, A. E. Abdallah, E. E. Abdallah, and I. Obeidat, "An energy- efficient threshold-based clustering protocol for wireless sensor networks," *Journal of wireless personal communications, vol. 70, no. 1, pp. 99-112, 2013*
28. M. Bsoul, A. Al-Khasawneh, Y. Kilani, and I. Obeidat, "A threshold-based dynamic data replication strategy," *The Journal of Supercomputing, Published online. 13 AUGUST 2010. DOI 10.1007/s11227-010-0466-3.*
29. Khasawneh, A., Bsoul, M. Obeidat, I and Al Azzam, I. (2010) "Technology Fears: study of e- Commerce loyalty perception by Jordanian customers" *International Journal of Information Systems in the Service Sector (IJISSS) .vol. 2, no. 2, pp. 70-77, 2010.*
30. obeidat, Mazen Alzoubi : *Analyzing some Android hacking tools and countermeasures , submitted to journal of communications 2020*

Conferences:

1. *I.Obeidat et al. Model for Adaptive Bug Bounty Programs and Responsible Disclosure in E-Government Vulnerability Management, The International Conference on Multimedia Computing, Networking and Applications (MCNA2024) 17–20 SEPTEMBER, 2024 / VALENCIA, SPAIN.*
2. *Obeidat et al. Simulation and Analysis of Phase Noise in NR Systems for Beyond 5G , International Conference on Communications and Information Technology (ICCOMIT-23) 2023 Montreal, Canada*
3. *Ala Mughaid1 *, Ali Alqahtani2 , Shadi AlZu'bi3 , Ibrahim Obaidat1 , Rabee Alqura'n1 , Mahmoud AlJama11 , Raid AL-Marayah" Utilizing Machine Learning Algorithms for effectively Detection IoT DDoS Attacks" THE 2023 INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING RESEARCH (ACR'23) ORLANDO, USA, MAY 8-10, 2023*
4. *Obeidat et al : "Dimensionality Reduction and Supervised Learning for IntrusionDetection" 8th International Conference on Information Management (ICIM), Page(s):86 – 91 ,2022*
5. *A Mughaid, I Obeidat, B Hawashin, S AlZu'bi, D Aqel " A smart geo-location job recommender system based on social media posts" Sixth International Conference on Social Networks Analysis, Management and Security (SNAMS) IEEE,505-510,2109*
6. *Ibrahim Obeidat, Ala MughaidImplementing Factors of Information Security in Governmental Organizations of Jordan , The Thirteenth International Conference on Digital ., 2019*
7. *Kilani, Y., Bsoul, M., Alsarahan, A., obeidat, I. "Improving PAWS by the island Confinement Method".11th International Conference on Artificial Intelligence and Soft Computing, Zakopane, Poland,, 2012*
8. *Ibrahim Obeidat , Simon Berkovich , Investigation the effectiveness of network connectivity(First International Conference on the Applications of Digital Information and WebTechnologies (ICADIWT 2008), Czech Republic*
9. *I. Obeidat, M. Bsoul, A. Khasawneh, , and Y. Kilani, "Enhancing the connectedness in ad-hoc mesh networks using the terranet technology," in the proceeding of International Conference on Electrical, Computer, Electronics and Communication Engineering, Venice, Italy, 2012, pp. 607–609*
10. *I. Obeidat , The effectiveness of online education on employee productivity (Interactive computer aided learning, VillachAustria2008)*

11. *I.Obeidat Implementing Information Security factors: Governmental Organizations accepted by the Thirteenth International Conference on Digital Society and e- Governments ICDS 2019*
12. *A. Klos-Witkowska, V. Martsenyuk, M. Karpinski, I. Obeidat "Influence of radiation at different RF frequencies on Bovine Serum Albumin stability in the aspect of biosensor"2019 Advances in Science and Engineering Technology International Conferences (ASET)*
13. *Rafat Alshorman, Safwan Al-Shara, I Obeidat," Automatic iterative methods for the multivariate solution of nonlinear algebraic equations".International Journal of Mathematical and Computational Sciences,345-347 ,2013*

References

Available upon request