

As'ad Mahmoud As'ad Alnaser, Ph.D.

Associate professor at Al-Balqa Applied University
Ajloun University College/ Applied Science Department/
Computer Science.

🌐 <https://www.bau.edu.jo/@asad1-99>
✉ asad1-99@bau.edu.jo Phone: +962795253610



Personal Information

Name : As'ad Mahmoud As'ad Alnaser
Address : Applied Science Department/
Ajloun University College/
Al-Balqa Applied University/
Ajloun 26816, Jordan.
Nationality : Jordanian
E-mail : asad1-99@bau.edu.jo
Marital Status : Married
Google Scholar : <https://scholar.google.com/citations?user=QzU04B8AAAAJ&hl=ar>
Research Gate : https://www.researchgate.net/profile/Asad_Alnaser2
ORCID : <https://orcid.org/0000-0002-5728-0483>
Web of Science: <https://www.webofscience.com/wos/author/record/CAG-7983-2022>
Scopus : <https://www.scopus.com/authid/detail.uri?authorId=55623851000>
Web site : <https://www.bau.edu.jo/@asad1-99>
Place of Birth : Irbid 25. May 1974

Education

2004 : **Ph.D.** Computer Systems and Networks, Computer Engineering Department,
Faculty of Computer Engineering and Information Technology, National
Technical University of Ukraine “Kyiv Polytechnic Institute”, (with honors)

2000 : **M.Sc.** Physical and Biomedical Electronics, Electronic Engineering
Department, Faculty of Engineering, National Technical University of
Ukraine “Kyiv Polytechnic Institute”, (with honors)

1999 : **B.Sc.** Physical and Biomedical Electronics, Electronic Engineering
Department, Faculty of Engineering, National Technical University of
Ukraine “Kyiv Polytechnic Institute”, (with honors)

1992 : The general secondary education certificate examination 1992:
Percentage Average 91.2

Experience

May. 2015 – present : Associate Professor at Al-Balqa Applied University, Ajloun University College, Applied Science Department.

Sep. 2016 – 2018 : Head of Applied Science Department, Al-Balqa Applied University, Ajloun University College

Sep. 2009 – 2015 : Assistant Professor at Al-Balqa Applied University, Ajloun University College, Applied Science Department.

Sep. 2005- 2009 : Assistant Professor at Applied Science Private University.

Languages

- Arabic (mother tongue).
- English.
- Russian.

Research Interests

- Computer Networks, Neural Networks
- Information Security
- Image Processing
- Control Systems
- Graph theory and it's applications

Skills

- Microsoft Packages (Word, Excel, PowerPoint, Access)
- Programming Languages: C++, C#, VB, HTML, Visual Basic Application (VBA)
- Academic research, teaching, training, consultation and publishing
- Internet Using, Browsing, Email, and Searching

Courses Taught

- Computer Architecture
- Principle of Computer Networks
- Wireless Computer Networks
- Computers and Networks Security
- Software Engineering
- Design & Organization of Embedded System
- Database Management and Design
- Digital Logic
- Operating System
- Introduction to Computer Programming
- Special Topics in Computer Science
- Microprocessor Theoretical (80x86 Assembly)
- Microprocessor Practical (80x86 Assembly)
- Computer Skills I
- Computer Skills II (Visual Basic)
- Computer Networks Practical
- Digital Logic Practical
- Windows 2003 Server
- Information Security
- Simulation
- Programming Language (C++)
- Personal Computer components
- Computer Science Projects

Research Publications

Journal Articles

1. As'ad Mahmoud As'ad Alnaser, Hazem (Moh'd Said) Hatamleh, Nawaf Abdualziz Almolhis, Salahaldeen Duraibi and Yahya Alqahtani "Secure Quantum Communication with Multi-Users in Quantum Network," *IEEE Open Journal of the Communications Society*, vol. 6, 2025; Digital Object Identifier: 10.1109/OJCOMS.2025.3556903
2. Hazem (Moh'd Said) Hatamleh, As'ad Mahmoud As'ad Alnaser, Roba Mahmoud Ali Aloglah, Tomader Jamil Bani Ata, Awad Mohamed Ramadan and Omar Radhi Aqeel Alzoubi "Intelligent Transmission Control Scheme for 5G mmWave Networks Employing Hybrid Beamforming," *Future Internet*, 17(7), 277, 2025; <https://doi.org/10.3390/fi17070277>
3. Hazem (Moh'd Said) Hatamleh, As'ad Mahmoud As'ad Alnaser, Said S. Saloum, Ahmed A. M. Sharadqh and Jawdat S. Alkasassbeh " PictureGuard: Enhancing Software-Defined Networking–Internet of Things Security with Novel Image-Based Authentication and Artificial Intelligence-Powered Two-Stage Intrusion Detection," *Technologies*, 13, 55, 2025; <https://doi.org/10.3390/technologies13020055>
4. As'ad Mahmoud As'ad Alnaser, Said S. Saloum, Ahmed A. M. Sharadqh and Hazem (Moh'd Said) Hatamleh, "Optimizing Multi-Tier Scheduling and Secure Routing in Edge-Assisted Software-Defined Wireless Sensor Network Environment Using Moving Target Defense and AI Techniques," *Future Internet*, 16(11), 386, 2024; <https://doi.org/10.3390/fi16110386> (registering DOI)
5. Alzyouda M., Al-Shanableha N., Alomarb S., Alnaser A., Mustafad A., Al-Momanie A. and Al-Hawary S., "Artificial intelligence in Jordanian education: Assessing acceptance via perceived cybersecurity, novelty value, and perceived trust," *International Journal of Data and Network Science*, 8, pp. 823–834, 2024. doi: 10.5267/j.ijdns.2023.12.022
6. Ahmed A. M. Sharadqh, Hazem (Moh'd Said) Hatamleh, As'ad Mahmoud As'ad Alnaser and Said S. Saloum, "Hybrid Chain: Blockchain Enabled Framework for Bi-Level Intrusion Detection and Graph -based Mitigation for Security Provisioning in Edge Assisted IoT Environment," *IEEE Access*. vol. 11, 2023 , Digital Object Identifier 10.1109/ACCESS.2023.32562773
7. As'ad Mahmoud As'ad Alnaser, Hazem (Moh'd Said) Hatamleh and Yurii Kulakov, "Routing Method in Multi-Domain Software Defined Networks," *Journal of Theoretical and Applied Information Technology* Vol.100, No 13, 15th July 2022.
8. As'ad Mahmoud As'ad Alnaser, Yurii Kulakov and Dmytro Korenko, "Modified Method of Traffic Engineering in DCN with a Ramified Topology," *(IJACSA) International Journal of Advanced Computer Science and Applications*, Vol. 12, No. 12, 2021.
9. Ahlam Fallatah, As'ad Alnaser and Mourad Oqla Massa'deh "Bipolar Intuitionistic Fuzzy Graph Over Cayley Groups," *J. Math. Comput. Sci.* vol. 11, No. 5, pp. 6403-6419, 2021 DOI.org/10.28919/jmcs/6256.
10. As'ad Mahmoud As'ad Alnaser, "Novel Properties for Total Strong - Weak Domination over Bipolar Intuitionistic Fuzzy Graphs," *(IJACSA) International Journal of Advanced Computer Science and Applications*, Vol. 12, No. 4, 2021.

11. Wael Ahmad Alzoubi and As'ad Mahmoud As'ad Alnaser "A Study on Connectivity Concepts in Intuitionistic Fuzzy Graphs," *WSEAS TRANSACTIONS on SYSTEMS and CONTROL*, 16, 2021. DOI: 10.37394/23203.2021.16.5
12. Ahlam Fallatah, Mourad Oqla Massa'deh and As'ad Mahmoud As'ad Alnaser, "Some Contributions on Operations and Connectivity Notations in Intuitionistic Fuzzy Soft Graphs," *Advances and Applications in Discrete Mathematics*, 23 (2), pp. 117-138, 2020. <http://dx.doi.org/10.17654/DM023020117>.
13. Wael Ahmad Alzoubi, As'ad Mahmoud As'ad Alnaser, Hazem (Moh'd Said) Hatamleh, Youssef Al Wadi and Mourad Oqla Massa'deh, "Introduction to Cartesian, Tensor and Lexicographic Product of Bipolar Interval Valued Fuzzy Graph," *Journal of Engineering and Applied Sciences*, 15 (2), pp. 581-585, 2020.
14. As'ad Mahmoud As'ad Alnaser, Wael Ahmad Alzoubi and Mourad Oqla Massa'deh "Bipolar Intuitionistic Fuzzy Graphs and its Matrices," *Applied Mathematics & Information Sciences*, 14, No. 2, 2020.
15. As'ad Mahmoud As'ad Alnaser, "Certain Contributions in Traffic Engineering Based on Software-Defined Networking Technology," *Journal of Computer Science*, 15 (7), pp. 944-953, 2019, DOI: 10.3844/jcssp.2019.944.953
16. As'ad Mahmoud As'ad Alnaser, "A Method Of Multipath Routing In SDN Networks," *Advances in Computer Science and Engineering*, Volume 17, Number 1, pp. 11-17, 2018.
17. As'ad Mahmoud As'ad Alnaser, "A Method of Forming the Optimal Set of Disjoint Path in Computer Networks," *Journal of Applied Computer Science & Mathematics*, vol.11, No.23, Issue 1, 2017.
18. Mourad Oqla Massa'deh and As'ad Mahmoud As'ad Alnaser, "Homomorphism in a Bipolar - Valued Q - Fuzzy Subring," *Global Journal of Pure and Applied Mathematics*, Vol. 12, Number 5, pp. 4233-4241, 2016.
19. As'ad Mahmoud As'ad Alnaser, "Set-theoretic Foundations of the Modern Relational Databases: Representations of Table Algebras Operations," *British Journal of Mathematics & Computer Science*, Vol. 4, Issue 23, Dec.2014.
20. As'ad Mahmoud As'ad Alnaser, "Streaming Algorithm For Multi-path Secure Routing in Mobile Networks," *IJCSI International Journal of Computer Science Issues*, Vol. 11, Issue 4, No 1, July 2014.
21. Zahi A.M. Abu Sarhan and As'ad Mahmoud, As'ad Alnaser, "Information Security Approach in Open Distributed Multi-Agent Virtual E-Learning Environment," *International Journal of Computer Science & Information Technology (IJCSIT)*, Vol. 6, No 1, February 2014.
22. As'ad Mahmoud As'ad Alnaser, "Multipath protected routing in distributed computer systems," *International Conferences on High Performance Computing*, 2013
23. As'ad Mahmoud As'ad Alnaser and Kulakov Y. O., "Reliable Multipath Secure Routing In Mobile Computer Networks," *Computer Engineering and Intelligent Systems*, Vol.4, No.2, 2013.

24. Hazem (Moh'd Said) Hatamleh, Ahmed A.M Sharadqeh, As'ad Mahmoud Alnaser, Omar Alheyasat and Ashraf Abdel-Karim Abu-Ein, "Computer Simulation to Detect the Blind Spots in Automobiles," *IJCSI International Journal of Computer Science Issues*, Vol. 10, Issue 1, No 1, January 2013.
25. As'ad Mahmoud Alnaser, Omar Alheyasat, Ashraf Abdel-Karim Abu-Ein, Hazem (Moh'd Said) Hatamleh, Ahmed A.M Sharadqeh, "Time Comparing between Java and C++ Software" *Journal of Software Engineering and Applications*, 5, pp. 630-633, 2012.
26. Omar Alheyasat Ashraf Abdel-Karim Abu-Ein, Hazem (Moh'd Said) Hatamleh, Ahmed A.M Sharadqeh and As'ad Mahmoud Alnaser, "Distribution Systems Efficiency," *Computer Engineering and Intelligent Systems*, Vol 3, No.7, 2012.
27. Ashraf Abdel-Karim Abu-Ein, Hazem (Moh'd Said) Hatamleh, Ahmed A.M Sharadqeh, As'ad Mahmoud Alnaser and Omar Alheyasat, "E-Commerce: Security and Applications" *American Journal of Applied Sciences*, 9 (11), pp. 1868-1871, 2012.
28. As'ad Mahmoud As'ad Alnaser "Multipath Routing in Wireless Networks" *Contemporary Engineering Sciences*, Vol. 5, no. 6, pp. 251 – 264, 2012.
29. As'ad Mahmoud As'ad Alnaser, "Secure data transfer based on multipath routing, " *International Journal of Academic Research. Baku, Azerbaijan* Vol. 3. No. 3. 21-27 May, 2011.
30. As'ad Mahmoud As'ad Alnaser "Hardware Key for Information Users Authentication," *Asian Journal of Information Technology*, 5 (12), pp. 1470-1472, 2006.
31. As'ad Mahmoud As'ad Alnaser "Designing of steady virtual channels in mobile networks" the eighth international scientific and practical conference, contemporary information and electrical technology. Ukraine – Odessa - № 8. - 116. 21-25.05.2007.

Articles under processing

1. Enhanced Reliability and Security for SDN networks for 5G networks in Cloud environment - Under processing
2. Intelligent Transmission Control Scheme for 5G mmWave Networks Employing Hybrid Beamforming - Under processing
3. Dynamic Resource Allocation In Quantum Networks For Wireless Communication - Under processing.
4. Some Basic Properties of Intuitionistic Bipolar Fuzzy Matrix - Under processing

References

Prof. Hassan Al-Zoubi, Amman Arab University,
Business Administration, College of Business, Jordan
E-mail: alzubi@aau.edu.jo

Prof. Mourad Oqla Massa'deh, Al-Balqa Applied University,
Ajloun University College, Applied Science Department
E-mail: mourad.oqla@bau.edu.jo

Prof. Ahmad Ali Al-Zubi, King Saud University,
Riyadh Community College.
E-mail: aalzubi@ksu.edu.sa

Dr. Fadi Talal Alkalani, Associate Professor
Applied College, Network System Management, Shaqra University, KSA
E-mail: falkilani@su.edu.sa

Dr. Zahi A.Abu Sarhan, Assistant Professor
Faculty of Information technology, software department at Jadara University
E-mail: z.abusarhan@jadara.edu.jo