

Mowafaq Alzboon

Assistant Professor/PhD in Computer Science/ Computer Networks

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Summary

Twenty years as a military man in Royal Jordanian Air Force (RJAF) Seven years of professional experience in teaching collage level courses, Four years of professional experience in teaching computer software, Fifth years of professional experience in teaching ICDL and Database (Oracle 10G), and Three years professional experience in application development testing and system analyst.

Personal Information

Date of Birth:	05 May 1973.	Age:	47 years.
Nationality:	Jordanian.	Gender:	Male.
Marital Status:	Married.	Passport No.:	N996535.

Objective

To work in a professional atmosphere where I can positively contribute and make a difference. I appreciate teamwork, and enjoy challenge even under pressure.

Educational Background

Education Level : Doctorate's Degree.

Major : Computer Science/ Computer Networks.

Name of Institution : Universiti Utara Malaysia, UUM.

Country : Malaysia

Title of dissertation : SORDM: Self-Organizing Resource Discovery Mechanisms Based Peer to Peer in Shared Computing Infrastructures

Graduation Date : 2013 – January 2017, with (rating: Excellent).

Duration of Study : From 2013 to January 2017 (4) years

Education Level : Master's Degree.

Major : Computer Science/ Computer Networks.

Name of Institution : Middle East University.

Country : Jordan.

Title of Thesis : Towards Achieving, Self-Load Balancing in Autonomic Overlay Networks

Graduation Date : November 2012, with (GPA: 3.67/4, Rating: Excellent).

Duration of Study : From 2009 to November 2012 (3) years.

Education Level : Bachelor's Degree.

Major : Computer Science/ Computer Networks.

Name of Institution : Arab Open University.

Country : Jordan.

Graduation Date : November 2012 with (GPA: 3.67/4, Rating: Excellent).

Duration of Study : From 2009 to November 2012 (3) years.

Education Level : National Secondary Certificate (Tawjihi).

Major : Scientific stream.

Name of Institution : Rehab Secondary School, Jordan.

Technical Skills:

- Microsoft Office (Word, Excel, Outlook, PowerPoint, Access, and Visio)
- Microsoft Project.
- Operating Systems (Windows XP, Linux).
- Programming Languages (C++, Java, Visual Basic and Prolog).
- Common Gateway Interface (CGI) Programming: PHP and Mysql.
- Database Development (Oracle 10g).
- Other Applications (MatLab, AutoCAD, Acrobat Reader).
- Network (build, maintenance).

Personal Skills:

- Excellent command in both English and Arabic.
- Team worker.
- Responsible.
- Working under pressure.
- Self-Development.
- Problem Solving.
- Enthusiastic.
- Discipline.

Research interests

- Autonomous and adaptive systems.
- Parallel and distributed systems.
- Highly parallel systems.
- Mobile computing.
- Overlay networks for service-oriented systems.
- P2P Computing.
- Grid Computing.
- Autonomic Computing.
- Cloud computing and Internet of Things (IoT).

Online Details

Website : http://www.jadara.edu.jo/main.php?type=mod_staffinfo&stid=10308

Research Gate Account : https://www.researchgate.net/profile/Mowafaq_Alzboon

Google Scholar Account : <https://scholar.google.com/citations?user=GtyQFkYAAAAJ&hl=en>

Orcid : <https://orcid.org/0000-0002-3522-6689>

Languages

Arabic : The Mother tongues.

English : Excellent command writing, reading and speaking, (passing the IELTS exam).

Conference Committees:

- Local Conference Chairs, ICSDAA-2019, 1st – 3rd December, 2019 at Jadara University, Jordan.
- Conference Chairs, Scientific Committee, ICSDAA-2020, 6-8 December, 2020 at Canadian University of Dubai (CUD).
- Member Technical Program Committee (TPC), International Conference on Intelligent Engineering and Management (ICIEM)-2020, at London, UK under IEEE United Kingdom and Ireland Section, on the dates 22-24, April, 2020.

Courses taught

- Principle of Information System.
- Computer Networks.
- Computer and Network Maintenance.
- Distributed Systems.
- Human Computer Interaction.
- Operating Systems.
- Networks Security.
- Computer skills.
- Software Security.
- Project Management Engineering.
- Software Documentation.

Publications

- [1] S. A. Alomari, M. S. Alzboon, B. Zaqibeh, and M. S. Al-Batah, "An effective self-adaptive policy for optimal video quality over heterogeneous mobile devices and network discovery services," *Appl. Math. Inf. Sci.*, vol. 13, no. 3, pp. 489–505, 2019, doi: 10.18576/AMIS/130322.
- [2] S. Shawawreh, S. A. Alomari, M. S. Alzboon, and S. Al Salaimeh, "Evaluation of knowledge quality in the E-learning system," *Int. J. Eng. Res. Technol.*, vol. 12, no. 4, pp. 548–553, 2019.
- [3] S. A. Alomari, M. S. Alzboon, M. S. Al-Batah, and B. Zaqibeh, "A novel adaptive schema to facilitates playback switching technique for video delivery in dense LTE cellular heterogeneous

network environments," *Int. J. Electr. Comput. Eng.*, vol. 10, no. 5, p. 5347, 2020, doi: 10.11591/ijece.v10i5.pp5347-5367.

- [4] M. Al-Batah, B. Zaqaibeh, S. A. Alomari, and M. S. Alzboon, "Gene Microarray Cancer classification using correlation based feature selection algorithm and rules classifiers," *Int. J. online Biomed. Eng.*, vol. 15, no. 8, pp. 62–73, 2019, doi: 10.3991/ijoe.v15i08.10617.
- [5] M. S. Alzboon, S. Alomari, M. S. Al-Batah, S. A. Alomari, and M. Banikhalaf, "The characteristics of the green internet of things and big data in building safer, smarter, and sustainable cities Evaluation of Knowledge Quality in the E-Learning System View project Article View project The characteristics of the green internet of thi," *Artic. Int. J. Eng. Technol.*, vol. 6, no. 3, pp. 83–92, 2017, doi: 10.14419/ijet.v6i3.28877.
- [6] I. Al-Oqily, M. Alzboon, H. Al-Shemery, and A. Alsarhan, "Towards autonomic overlay self-load balancing," in *2013 10th International Multi-Conference on Systems, Signals and Devices, SSD 2013*, 2013, doi: 10.1109/SSD.2013.6564018.
- [7] M. S. Alzboon, A. S. Arif, and M. Mahmuddin, "Towards self-resource discovery and selection models in grid computing," *ARNP J. Eng. Appl. Sci.*, vol. 11, no. 10, pp. 6269–6274, 2016.
- [8] M. M. and S. A. Mowafaq Salem Alzboon, "Towards Self-Organizing Infrastructure: A New Architecture for Autonomic Green Cloud Data Centers," *ARNP J. Eng. Appl. Sci.*, 2016.
- [9] S. A. Alomari, S. Al Salaimeh, E. Al Jarrah, and M. S. Alzboon, "Enhanced logistics information service systems performance: using theoretical model and cybernetics' principles," *WSEAS Trans. Bus. Econ.*, vol. 17, pp. 278–287, 2020, doi: 10.37394/23207.2020.17.29.
- [10] M. M. Mowafaq Salem Alzboon Ahmad Suki Che Arif, "Challenges and Mitigation Techniques of Grid Resource Management System," in *National Workshop on FUTURE INTERNET RESEARCH (FIRES2016)*, 2016, pp. 1–6.
- [11] M. S. Alzboon, M. Mahmuddin, and S. Arif, "Resource Discovery Mechanisms in Shared Computing Infrastructure: A Survey," in *International Conference of Reliable Information and Communication Technology*, 2019, pp. 545–556.
- [12] S. Shawawreh, S. A. Alomari, M. S. Alzboon, and S. Al Salaimeh, "Evaluation of knowledge quality in the E -learning system," *Int. J. Eng. Res. Technol.*, vol. 12, no. 4, pp. 548–553, 2019.
- [13] M. Banikhalaf, S. A. Alomari, and M. S. Alzboon, "An advanced emergency warning message scheme based on vehicles speed and traffic densities," *Int. J. Adv. Comput. Sci. Appl.*, vol. 10, no. 5, pp. 201–205, 2019, doi: 10.14569/ijacsa.2019.0100526.
- [14] S. A. Mowafaq Salem Alzboon M. Mahmuddin, and Omar Dakkak, "Peer to Peer Resource Discovery Mechanisms in Grid Computing: A Critical Review," in *The 4th International Conference on Internet Applications, Protocols and Services (NETAPPS2015)*, 2015, pp. 48–54.
- [15] M. Banikhalaf, S. A. Alomari, and M. S. Alzboon, "An advanced emergency warning message scheme based on vehicles speed and traffic densities," *Int. J. Adv. Comput. Sci. Appl.*, vol. 10, no. 5, pp. 201–205, 2019, doi: 10.14569/ijacsa.2019.0100526.
- [16] M. S. Alzboon, "Internet of things between reality or a wishing - list : a survey," *Int. J. Eng. Res. Technol.*, vol. 6, no. June, pp. 956–961, 2019, doi: 10.14419/ijet.v7i2.28864.
- [17] M. Mahmuddin, M. S. Alzboon, and S. Arif, "Dynamic network topology for resource discovery in shared computing infrastructure," *Adv. Sci. Lett.*, vol. 23, no. 6, 2017, doi: 10.1166/asl.2017.7385.
- [18] S. Arif, M. S. Alzboon, and M. Mahmuddin, "Distributed quadtree overlay for resource discovery in shared computing infrastructure," *Adv. Sci. Lett.*, vol. 23, no. 6, pp. 5397–5401, 2017, doi: 10.1166/asl.2017.7384.

References		
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