



Personal Information

Name: *Omaidah Ali Al-Arja*

Nationality: *Jordanian*

Marital Status: *Married*

Date of Birth: *14/12/1970*

Address:

Home Address: *Jubeha - Amman – Jordan.
Mobile: 00962-7-95170219*

Work Address: School of Architecture and Built Environment,
Department of Architecture and Interior Architecture,
German Jordanian University, Jordan
Work: 0096264294444, 4301
P.O.Box ,35247 .Amman, 11180, Jordan

E-mail: omaimah.ali@gju.edu.jo
omaimaharja@gmail.com ; omaimahali@yahoo.com,

Objectives

Seeking new challenges to exploit my technical and academic experience.

Educational Qualification

Ph.D. in Architecture - Petersburg State Transport University - Petersburg, Russia – 2003 – Acoustics.
The thesis title: "Using of the wave theory for calculating and designing the sound insulating partitions in multi-purpose halls."

B.Sc. in Architecture - Jordan University of Science and Technology – Irbid – Jordan – 1993.

Professional Experience

- | | |
|------------------------|--|
| Oct. 2022 – Present | Dean of School of Architecture and Built Environment , German Jordanian University, Jordan |
| Sep. 2020 – Present | Associate Professor - Department of Architecture and Interior Architecture, School of Architecture and Built Environment, German Jordanian University, Jordan |
| Sep. 2009 – Sep. 2020 | Assistant Professor - Department of Architecture and Interior Architecture, School of Architecture and Built Environment, German Jordanian University, Jordan |
| April 2019 – Sep. 2019 | Vice-Dean of School of Architecture and Built Environment , and Head of Department of Architecture and Interior Architecture , German Jordanian University, Jordan |
| Sep. 2016 – Sep. 2018 | Dean Assistant for Industrial Relations and Quality Assurance , School of Architecture and Built Environment, German Jordanian University, Jordan |
| Sep. 2010 – Sep. 2014 | Head of Department of Architecture and Interior Architecture – School of Architecture and Built Environment, German Jordanian University, Jordan |
| Sep. 2011 – Sep. 2013 | Vice-Dean of School of Architecture and Built Environment , German Jordanian University, Jordan |
| Sep. 2006– Aug. 2009 | Head of Department of Architecture -College of Architecture and Arts, Petra University |
| Feb. 2005 – Aug. 2009 | Assistant Professor - College of Architecture and Arts, Petra University, Jordan |
| Sep. 2007 – Aug. 2009 | Part Time Lecturer – Faculty of Architecture and Built Environment, German Jordanian University, Jordan |

2008 – Present	Acoustic consultant – Per Job, Consolidated Consultants, Jordan
2012 – Present	Acoustic consultant – Per Job, PRAXIS Architects Urban Designers, Jordan
2009 – Present	Acoustic consultant – NextNet solutions, Dubai, UAE
2008 – Present	Acoustic consultant – Per Job, ENGICON, Jordan
2005 – Present	Acoustic consultant – Per Job, Al-Bashir International Engineering Company Limited, Jordan
2003 – Present	Acoustic consultant – Per Job, Smadi International Trading Co., Jordan
Nov. 2000- Dec.2001	Architect - Al Ruaa Engineering firm, Jordan
Aug.1998 – Oct. 2000	Architect - Arja and Partners Co. Engineering firm, Jordan
July. 1997 - Aug.1998	Architect - Al Amaraa Co. Engineering firm, Jordan
July. 1993 - July. 1995	Architect - Arja and Partners Co. Engineering firm, Jordan

Teaching Experience

- Developed and taught the following courses: Fundamentals of Design I&II, Architectural Design (all levels), Utility Planning and Design I&II, Urban Design and Regeneration, Land Surveying, Structural Systems I&II and Contracts, Specifications and Quantity Surveying.
- Supervised and directed senior students –graduation projects.

Professional Development

Co- Supervisor Master Thesis – “Accessibility of Public Parks in Residential Areas.” Bahaa Marji, German Jordanian University, Amman Jordan, 2012.

Supervisor Master Thesis

- “Property demand patterns caused by transformations in neighborhood / Marj Al-Hamam Estate”, Moayed Saleh, German Jordanian University, Amman Jordan, 2016.
- “Public Spaces in Amman: A Comparative analysis of the old Downtown and the new proposed City center”, Dua’a Sandouqa, German Jordanian University, Amman Jordan, 2018.
- "Sustainable Brownfield Regeneration, The Case of Russeifa Phosphate Mines, Zarqa-Jordan", Renad Kamal shaker Al Jariri, German Jordanian University, Amman Jordan, 2018.
- “Urban Resilience in Informal Settlements in developing countries: A Case Study in Jabal Al-Akhdar, Jordan”. Na’ela Muhsen Hamdan, German Jordanian University, Amman, Jordan, 2022.
- “Al-Akhdar Mountain Neighborhood; Socio-Spatial Analysis”, Waad Iyad Badran, German Jordanian University, Amman, Jordan. 2022.
- “The effect of urban soundscape and acoustic comfort on designing the public spaces”. Doaa Aref Kareem Kareem, Amman Jordan.
- “Impact of urban sprawl on the agrarian lands/fringes south-east of Amman using GIS & satellite images”. Farah Almanasir, German Jordanian University, Amman, Jordan.
- “Measuring indicators of smart growth principles, case study (Nau’r city -Amman)”. Yasmin Ibrahim ALMasri, German Jordanian University, Amman, Jordan. **In progress.**
- “Toward Smart Cities: 3D Cadaster as Tool for making 3D smart city – The case study of Zarka”, Yazeed Hamoudeh, German Jordanian University, Amman, Jordan, **In progress.**
- “Evaluation of resilience in green public spaces / The case of: Amman, Sport city”, by Mohammad Al-Shboul, German Jordanian University, Amman, Jordan, **In progress.**
- “Restoring the Identity of Post-War Cities Using Artificial Intelligence, Aleppo` Syria”, by Abdalrhman Abdalrzak KazKaz, German Jordanian University, Amman, Jordan, **In progress.**

Master Thesis External Examiner

- "Energy Consumption optimization for infill Buildings, according to orientation in Amman-Jordan" by Tala Samir Awadallah, supervised by Prof. Magdy Tawfiq, University of Jordan, Amman, Jordan, July 2011.
- "Greening of Mosques: An approach to effective and sustainable improvement of energy efficiency and indoor environment quality in Mosques of tropical regions; A case study of Dantata Mosque in Abuja, Nigeria", by Tijjani Kura Ibrahim, supervised by Dr. Hikmat H. Ali, University of Science and Technology, Irbid, Jordan, 2016.
- "The architectural Design concentrating on Acoustic performance".
بالتركيز على الاداء الصوتي "التصميم المعماري للمدرجات التدريسية"
by Saed Ayasreh, supervised by Prof. Mohammed Reziq Shaaban, University of Jordan, Amman, Jordan, May 2021.
- "The impact of Jordanian building regulations on the indoor environmental quality for single detached houses in Irbid, Jordan", by Ala'a Bilal Al-Rababah, supervised by Prof. Hikmat Ali & Dr. Amal Abed, Jordan University of Science and Technology, August 2022.
- "Assessment of the Jordanian residential building codes on the thermal performance of the outdoor spaces: The case Studies of Residential compounds in Amman", by Maram Ali AlKhateeb, supervised by Prof. Shouib Mabdeh & Prof. Amal Abed, Jordan University of Science and Technology, November 2022.

Master Thesis Internal Examiner

- "Investigating 'Adhan as Significant Sound mark Heritage: Case Study of the Urban Soundscape of Al-Hussaini Mosque at Downtown Amman" by Dina Nedal Alyounis, supervised by Dr. Samer Al-Ratrout, German Jordanian University, Amman, Jordan, April 2015.
- "Exploring the Morphological Settlement Patterns at Al-Za'atari Camp in a Socio-Cultural Context" by Ola Samara, supervised by prof. Majd Al-Homoud, German Jordanian University, Amman, Jordan, January 2016.
- "The Remun Mosque, Study on Ayyubid Mamluk Islamic Architecture" by Husam Al Kahteb, supervised by Prof. Weber-Karyotakis, Thomas and Kreuz, Prof. Patric-Alexander, German Jordanian University, Amman, Jordan, May 2020.
- "Analyzing the Causes of The Rising Urban Traffic Congestion Epidemic; A Case Study of a Major Arterial in Amman", by Rawan Theodory, supervised by Dr. Raed Al-Tal and Prof. Subhi M. Bazlamit, German Jordanian University, Amman, Jordan, December 2020
- "Exploring the Use of Mobile Augmented Reality as an Urban Design Educational Tool", by Narmeen R. Marji, supervised by Prof. Mohammed Yaghan and Dr. Janset Shawash, German Jordanian University, Amman, Jordan, December 2020.
- "The Retrieval, Conservation and Presentation of Geometric and Polychrome Decoration from Umayyad Qusur in Jordan and Palestine", by Haneen Fawzi Persa, supervised Dr. Ignacio Arce, and Prof. Patrick Alexandar Kroz, German Jordanian University, Amman, Jordan, May 2021
- "A place understanding driven approach towards the adaptive reuse of Al-Kayed Pasha House in Souf, Jordan", by Ala' Fateh Assaf, supervised by Dr. Rami Dhaher, German Jordanian University, Amman, Jordan, December 2021.
- "Interpretation and Presentation of Architectural elements from Qastal al- Balqa as Conservation strategy", by Jamal Eldin Alyan, supervised by Dr. Ignacio Arce, German Jordanian University, Amman, Jordan, December 2021.

- “Place Understanding: A Typo-Morphological Approach in the Historic Urban Core of As-salt, Jordan”, by Sonia Alodwan, supervised by Dr Rami Daher, German Jordanian University, Amman, Jordan, May 2022.
- “The Industrial Development for the Dead Sea Region- Arab Potash Company as a Case Study”, by Fynana Al-Awadi, supervised by Dr Raed Tal and Dr Jawdat Al-Gosous, German Jordanian University, Amman, Jordan, May 2022. German Jordanian University, Amman, Jordan, May 2022.
- “Role of Green infrastructure in Climate Adaptation: The Case of Quraish Street”, by: Nebal Ahmad Hameed, Supervised by Dr. Farah Al Atrash, German Jordanian University, Amman, Jordan, August 2022.
- “Investigating Outdoor Thermal Comfort and Occupant Behavior: The Case of Jabal Al Natheef-Amman”, by Athar Al-Ayyoub, supervised by Dr. Farah Al Atrash, German Jordanian University, Amman, Jordan, August 2022.
- “Efficiency of Urban Public Spaces in Amman: Semiotics and Vitality Assessment”, by Sultan Samer Al Fuqaha, supervised by Dr. Maram Al Tawil, German Jordanian University, Amman, Jordan, August 2022.
- “The Nabatean cemetery of Bosra-Alsham, Interpretation and Conservation of the ancient provincial Arabian capital in post war Syria”, by Ahmad Aldandan, supervised by Prof. Dr. Ignacio Arce & Prof. Dr. Patric Kreuz, German Jordanian University, Amman, Jordan, January 2023.
- “Reconciliation through Cultural Heritage: The Case of the Jordanian and Palestinian Divide”, by Baraah Al-Shorman, supervised by Dr. Rami Daher, German Jordanian University, Amman, Jordan, January 2023.

Publication:

1. Omaimah Ali Al-Arja, Tala Sameer Awadallah, “Energy Consumption Optimization in school sector in Jordan”. Architectural Science Review, DOI:10.1080/00038628.2015.1012637, <http://dx.doi.org/10.1080/00038628.2015.1012637>, published on 19/3/2015.
2. Tala Sameer Awadallah, Omaimah Ali Al-Arja, " Comparative Study of Energy Consumption Optimization for Educational Buildings in Jordan". International Conference for Sustainable Design of the built Environment (SDBE,2018) , London, UK, , September 12th , 2018. http://newton-sdbe.co.uk/wp-content/uploads/2018/09/SDBE2018_Conference-Proceedings-.pdf.
3. Omaimah Ali Al-Arja, Tala Sameer Awadallah, “Assessment of occupational noise exposure in coffee grinding shops”. Applied Acoustics, 158 (2020), <http://dx.doi.org/10.1016/j.apacoust.2019.107047>.
4. Sukumar Natarajan, Nick McCullen, Steve Lo, David Coley, Omaimah Ali Arja, Francis Moran, “Practice before theory? An approach for testing sequencing effects in pedagogical design”. International Journal of Technology and Design Education (2020), <https://doi.org/10.1007/s10798-020-09579-w>.
5. Omaimah Ali Al-Arja, “Acoustic Environment and Noise exposure in Fitness Halls”, Applied Sciences, MDPI; 10, 6349 (2020). <http://doi:10.3390/app10186349>.

Research in progress:

- Evaluation of the effect of acoustical design properties (Reverberation Time) in worship buildings in Jordan.
- Impact of acoustic conditions on the quality of educational environment in the universities in Jordan.
- Soundscape in Parks in Jordan.

Workshop and Activities directed to the international community

	Served Party	Dates	
		From	To
Joint Project with Koblenz FH, on Local Architectural Studies in Jordan, Project title: Mosque Design on Abdalnaser Square	Koblenz University of Applied Sciences, Germany	2/4/2011	11/4/2011
International Workshop "Architecture and Urban Design", at Koblenz University of Applied Sciences, Germany. Title of project: The Middle Rhine Canyon Laboratories of Refined Senses.	Koblenz University of Applied Sciences, Germany	2013	2013
Joint Workshop "Sustainable Building Design" At GJU with Koblenz University of Applied Sciences, Germany, Title of project: Green Guest House at GJU Campus-Madaba"	Koblenz University of Applied Sciences, Germany	9/5/2016	23/5/2016
Joint Workshop " Sustainable Design of Historical Building " German Jordanian University and Koblenz University of Technical Sciences, Germany Part I: At GJU, Amman Jordan Part II: at Koblenz University, Germany	Koblenz University of Applied Sciences, Germany	20/11/2016 8/12/2016	27/11/2016 18/12/2016
Workshop " Smart Zero Energy Design of Housing Units " German Jordanian University and FHWS, Germany	University of applied Sciences Wurzburg-Schweinfurt-FHWS, Germany	18/11/2019	25/11/2019
Workshop " Refugees Shelter Design ", German Jordanian University and BATH University, UK	BATH University, United Kingdom	24/10/2018 27/01/2019	25/10/2018 28/01/2019
Workshop "Middle East Social Innovation Lab" funded by DAAD-Programme "Higher Education Dialogue with the Muslim World" Title of Phase one "Empowering communities of designing sustainable futures: The case of Ajloun in Jordan "	Nuertingen-Geislingen University (NGU).	21/6/2019	30/6/2019
Workshop "Middle East Social Innovation Lab" funded by DAAD-Programme "Higher Education Dialogue with the Muslim World"	Nuertingen-Geislingen University (NGU).	16/11/2019	22/11/2019

Title of Phase two: "Nürtingen & Klein-Tschardt local context" Germany			
Joint Project "Climate-resilient Cities"	Koblenz University of Applied Sciences, Germany	2020	2022

- **Participation** at the "Postgraduate Research in Urban Planning and Architecture on Jordanian Universities- Mapping the Terrain" workshop, Jordanian University for Science & Technology, Irbid, Jordan, June 2022.
- Royal Initiative for School heating Stakeholders Consultation event and Workshop, Sheraton Hotel, Amman, Jordan (Nov 2015)
- **Tutor** at "Sustainable Design of Historical Buildings workshop" with Koblenz University of Applied Sciences. 11-18 Dec 2016, in Koblenz, Germany, and 22-27 Nov 2016, in Amman, Jordan
- **Tutor** at the Intensive Program (Workshop) for the MESIL - The Middle East Social Innovation Lab on rural entrepreneurship and sustainable tourism:
 - o Online, project region in Beirut, Lebanon, March to June 2021.
 - o Online, project region in Artas, Palestine, October to December 2020
 - o Klien Techard, Nürtingen, Germany, From 15-23 Nov 2019.
 - o Kufranjeh, Jordan, From 20 June to 1 July 2019
- **Tutor** at the Climate Resilient Cities/ 2021 Exchange program, Project-ID: 57571310, funded by DAAD, at Koblenz University of Applied Sciences, Koblenz, Germany, Oct 2023.

Professional Experience

Acoustic Consultancy

Task one:

- Carrying out and managing comprehensive subjective and objective tests for evaluation of acoustic properties of the projects stated below.
- Determination of all possible acoustical defects in the projects.
- Design of the required acoustic treatments.
- Supervised and managed the installation of treatments to reach the suitable **Reverberation Time**.

Completed Projects:

1. **Girls Private School**, Jordan, Apr. 2003
2. **Jordan Television Studios**, Jordan, Feb. 2005
3. **Jordan Radio Studios**, Jordan, Sep. 2005
4. **Jordan Armed force - Music Training Hall**, Jordan, Dec. 2005
5. **High Studies University Theatre**, Jordan, Feb. 2006
6. **Youth Higher Council Sport Halls:** (*Naor Youth Center, Al-Fuhaise Youth Center, Amman Youth Center, Maan Youth Center*), Jordan, Apr. 2007
7. **Madaba Youth Multifunctional Hall**, Jordan, Aug. 2007

Task Two:

- Design of sound insulation.
- Measuring and evaluation of the amount of sound isolation before and after treatment.
- Supervised and managed the installation of the treatment.

Completed Projects:

1. **Jordan Armed force – Residence**, Jordan, Sep. 2005
2. **Isolating movie halls in Mecca Mall**, Jordan, Feb. 2006
3. **Al-Mowagar Factory**, Jordan, 2008

Task Three:

- Measuring the reverberation Time.
- Setting the recommendations to improve theatre`s acoustic.

Completed Projects:

1. **Rainbow Theatre**, Jordan, Oct. 2007
2. **Al-Fuhais Multifunctional Hall**, Jordan, Nov. 2007
3. **Turquoise Mountain for Cultural Preservation Training**, Amman Jordan, June 2021
4. **SYNGENTA Offices- Amman**, Jordan, March 2022

Task Four:

- Room acoustics: Determination the Reverberation Time RT60 for each type of rooms, guidance is given on quantities of acoustically absorbent material to provide a comfortable acoustic environment – provision of estimated quantity of absorbent materials and treatments.
- Locating the recommended absorbent materials on developing drawings according to the acoustic design in coordination with interior designers.
- Determination of sound insulation materials for airborne sound and structure borne sound and exterior noise.
- Provision of the technical specifications of the suggested materials “absorbent acoustic treatments and insulation materials”.
- Acoustic design is done in compliance with ANSI standards and BS standards for the following projects:

1. **Kasion University, Syria**
2. **National Center for Security and Crises Management**, Consolidated Consultants, Jordan, 2008
3. **Internal Court at Baccaureate School KG-2295**, Consolidated Consultants, Jordan, 2008
4. **Aqaba Cultural Centre, ENGICON**, Jordan ,2008
5. **Al-Bateen Secondary School**, Abu Dhabi, UAE, 2009
6. **6 Schools at Al-Ain for ADEC**, Abu Dhabi, UAE, 2009
7. **Multi-purpose GASCO Auditorium**, Abu Dhabi, UAE, 2009
8. **Al-Ain Sport Club**, Abu Dhabi, UAE, 2010
9. **9 Schools at Al-Ain for ADEC**, Abu Dhabi, UAE, 2010
10. **PI Male Centre, Conference Centre and Auditorium**, Abu Dhabi, UAE, 2010
11. **BAB Infrastructure Expansion**, Abu Dhabi, UAE, 2011.
12. **Shah New Accommodation and Admin Complex**, Abu Dhabi, UAE, 2011.
13. **Office Building in Luanda, Angola**, Consolidated Consultants, 2011
14. **ADCO Bu Hasa Auditorium**, Dubai, UAE, 2012.
15. **ADNOC Petroleum Institute student center & Auditorium**, NEXTNET solutions Company, Abu Dhabi, UAE, 2012.
16. **Al Ghods Hotel in Mashhad, Iran**, Consolidated Consultants, Amman Jordan, 2012.
17. **Emal Administrative Complex**, Abu Dhabi, UAE, NEXTNET solutions Company, July 2014.
18. **SIE office Building**, Camama, Angola, Consolidated Consultants, Amman Jordan, 2014
19. **Forensic Center in KSA, ENGICON**, Amman Jordan, 2016.
20. **Sport complex**, German Jordanian University campus, Madaba Jordan, 2017.
21. **Musical school Project**, KSA, 2019.
22. **Renovation and design of Al Ahli Bank Project, ENGICON**, Amman Jordan, 2020.
23. **Hospital in Tenbek Area, Gharnatah Consulting Engineers, Qatar**, 2021.
24. **Auditorium**, German Jordanian University, Jabal Amman Campus, Jordan, 2021.
25. **King Faisal Air Academy (KFAA) Al-Majma`ah Project, KSA**, August 2022.
26. **Water Training Center**, GIZ, Marka – Jordan, August 2022
- 27.

Tasks in Progress:

- **Acoustic Design consultant for the following project (In progress):**
 - Central Agency for public tenders HQ, Kuwait.
 - SOFEX Exhibitions, ENGICON, Aqaba Jordan.
- **Acoustic Design and Supervision consultant for the following project (In progress):**
 - Abdali Views Project, Abdali Project District, Amman Jordan, Consolidated Consultants CC.
 - British International School Project, Riyadh - Kingdom of Saudi Arabia, Arabic Jardaneh Saudi.
 - International Medical Center- ER Medical Tower Project, Riyadh - Kingdom of Saudi Arabia, Arabic Jardaneh Saudi
- **Working with the HM the King's schools Heating Initiative, evaluation and rehabilitation of the educational environment of public school's sector in Jordan.**

Buildings which had *been* approved by UPC:

1. **New state of the Art - Al-Bateen Secondary School**, Abu Dhabi, UAE, had been approved by UPC for **2 Pearl Rating**.
2. **Abu Dhabi Education Council schools - UAE, phase 1 (6 Schools at Al-Ain), phase 2 (9 schools) and phase 3 (9 schools)** had been approved by UPC for **3 Pearl Rating**.
3. **BAB Infrastructure Expansion project - Abu Dhabi, UAE** had been approved by UPC for **1 Pearl Rating**.
4. **Shah New Accommodation and Admin Complex**, Abu Dhabi, UAE, had been approved by UPC for **1 Pearl Rating**.
5. **ADNOC Petroleum Institute student center & Auditorium**, Abu Dhabi, UAE, had been approved by UPC for **2 Pearl**.

Affiliations:

- Member of the Jordan Engineer Association.
- Member in National Water Alliance, USAID.
- Member in Quality Assurance Unit in University of Petra.
- Member in the committee of preparing curriculum of water-wise landscaping principles for universities/ Water Demand Management Unit, USAID.
- Member in the technical committee - Acoustic Code of Jordan, Royal Scientific Society, Jordan.
- Member in Journal of Acoustical Society of America.

Computer Skills:

- **Graphic Applications:** AutoCAD, Photoshop, course in 3DMax,
- **ICDL Certificate**
- **Introduction Course** in ArcGIS, ArcIMS and ArcGIS 3D Analyst, CAD Pro-engineer, Rheino, Grasshopper, REVIT.

Training Courses

- **Strategic Planning for Quality Assurance in Higher Education**, Jordan, 2008
- **Design Management for Engineering Projects, Jordan**, May 24 – 26, 2007
- **Virtual Learning Environment course (VLE)**, Jordan, Jan. 26 – June 2008.
- **Climatic Design of Buildings and Urban Areas**, Royal Science Society, Jordan, June 22- Aug. 28, 2008.
- **Quality Management Training Course**, GJU, April 2018.
- **Train of Trainer workshop / Erasmus+ Project: Development of environmental engineering courses and injection of climate change concept for undergraduate curriculum: EU experience for Jordan and Syria - EGREEN**, Hamburg, Germany, August 27th -31st, 2018.
- **ISO 9001:2015 – Quality Management Systems Auditor/Lead Auditor Training Course**. [Certificate 44748660 / 139885782, CQI / IRCA 127613.](#)

Language Skills:

	Arabic	English	Russian
Reading	Excellent	Very Good	Good
Writing	Excellent	Very Good	Good
Conversation	Excellent	Good	Good

References:

- Professor Mohammed Yaghan, German Jordanian University, mohammad.yaghan@gnu.edu.jo.
- Eng. Nasri Nawasreh, Consolidated Consultants, N.AINawasreh@group-cc.com.
- Arch. Samar Bahous, ENGICON, sbahous@engicon.com.