

An energetic architect, associate professor who utilizes a very interactive approach to teach graduate and undergraduate architecture students. Adept at developing comprehensive lesson plans working directly with students on improving their designs and creating unique projects that allow students to show off their skills. Dynamic, self-driven and will search out and create ideas and will set up methods and systems to make them work. Specializes in computer aided architectural design, building information modeling, space syntax, and shape grammar in architecture.

Education

- 2008 **Doctor of Philosophy in Computer-Aided Architectural Design**
"Scenarios as a Design Method in Architectural Practice and Architectural Education"
(<http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.501786>)
University of Strathclyde - UK
Faculty of Engineering & Technology
Department of Architecture
- 1997 **Master of Science in Architecture**
"The Effects of Environmental Structures and Identity on the Perception of the Cities: Amman and Irbid as a Case of Comparison"
(http://archnet.org/gws/CSBE/8421/webpages_7881/html/theses/description/1286.html)
The University of Jordan - Jordan
Faculty of Engineering & Technology
Department of Architecture
- 1994 **Bachelor of Science in Architecture**
"Democracy and Human Rights Studies Institute"
The University of Jordan - Jordan
Faculty of Engineering & Technology
Department of Architecture

Training and Professional Development

- 2017 **Developing and Analyzing Tests using SPSS**
Training course at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2016- **Jordan Team Leader of the Solar Decathlon Middle East (SDME)**
An international competition for universities all over the world that was created through an agreement signed between Dubai Electricity and Water Authority (DEWA) and the Department of Energy of the United States of America.
- 2016 **Role of Social Media in Higher Education: Teaching and Learning**
Training course at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2016 **Advanced Intended Learning Outcomes**
Training course at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2015 **Advanced E-Learning Student Course**
Training course at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2014 **Advanced Statistical Analysis Using SPSS**
Training course at the University of Jordan, Accreditation and Quality Assurance Center, Jordan.
- 2010 **Eco Jordan**
Training Workshop at the University of Jordan, Faculty of Engineering & Technology in Sustainable Issues and Renewable Energy, Amman, Jordan.
- 2003 **Autodesk Training Course**
AutoCAD 2004 update, Autodesk Architectural Desktop 2004 update, Revit 5 Introduction, New Horizons, Dubai, UAE.
- 2000 **Right Based Empowerment Practice at Community Advocacy**
Advocacy Center, Jerusalem and Advocacy Center, Beersheva.
- 1999 **McGill Middle East Program in Civil Society and Peace Building**
(<http://www.mcgill.ca/ican/fellowship/alumni/1998-2000>)
McGill University, Department of Minimum Cost Housing & Social Work, Montreal, Canada.
- 1997 **Tourism Development Vernacular Architecture of the Southern Jordan**
The University of Jordan, Amman - Jordan.
- 1995 **Med Campus Program of European Communities**
Training course for experts in programs on the planning, Reclamation, and protection of the Mediterranean landscape involved in small and large tourist development programs.
The University of Jordan, Amman - Jordan.
Universite' de Saint-Espirit, Kaslik - Lebanon.
Universita di Roma Alasapienza, Rome - Italy.

Academic Experience

- 2016- **Assistant Dean for Development and Quality Affairs**
The University of Jordan - Jordan
The School of Graduate Studies

2014-

Associate Professor

<http://engineering.ju.edu.jo/Departments/DeptStaff.aspx?DeptName=Architecture%20Engineering>

The University of Jordan - Jordan

Department of Architecture Engineering

Teaching Undergraduate Courses:

- First Year: Basic Design 1, Basic Design 2
- Second Year: Architectural Design 1, Architectural Design 2, Computer Architectural Drawings
- Third Year: Architectural Design 3, Architectural Design 4, Working Drawings, History and Theory of Contemporary Architecture, and Building Legislation.
- Fourth Year: Architectural Design 5, Architectural Design 6, Urban Planning 1, Urban Planning 2, Building Workshop, Interior Architecture, Professional Practice, and Project Management.
- Fifth Year: Architectural Design 7, Graduation Project Thesis Research, and Graduation Project Design.
- Final Year Project Supervision: Supervising more than 100 Undergraduate Students in Different Architectural Areas.
- Honorable Nomination Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2014.
- Winning the First Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2015.
- Honorable Nomination Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2016.

Teaching Graduate Courses:

- Research Methods in Architecture, Advanced Theory of Architecture, Architecture and Contemporary Technology, Architecture and Sustainable Development, Built Environment and Behaviors, Architectural Analysis and Criticism, and Special Topics in Architecture.
- Thesis Committees Member: Participating in Several Examining Committees for the M.Sc. Thesis at Departments of Architecture at the University of Jordan, Jordan University of Science and Technology, and German Jordanian University.
- M.Sc. Thesis Supervision:
 - + Integrating Technologies Adapted from the Nature in Generating Hybrid Algorithmic Compositions: Mega-structure Forms, May 2015.
 - + Design-Based Strategies in Analyzing the Ethnography of Amman City Identity in Residual Spaces using the Geographic Information System (GIS) Applications, May 2015.
 - + Analysis of Built Environment and Modeling Using Space Syntax and GIS: Two Villages of Al Balqa Governorate as a Case Study, May 2015.
 - + Generating Utopian Principles through Achieving Technological and Smart Image of the City: the Case of Dahiet Al-Hussein District, August 2015.
 - + The Evolutionary Use of High Performance Efficient Glass in Office Buildings to Create Sustainable Guidelines: the Case of Amman City, August 2015.
 - + Analyzing Bioclimatic Architecture in the Jordanian Badiya, Decision Support Integrated with Computer Simulation, November 2015.
 - + An Analytical Study of Computer Aided Design (CAD) Applications on the Creativity of Architecture Students: The University of Jordan Case Study, May 2016.
 - + The Influence of Open Spaces on Social Interaction and its Catchment Area by Using Geographical Information System (GIS): A Case Study of Dahiyat Al Yasmeen Neighborhood- Amman, May 2016.
 - + Applying Integrated Photovoltaic and Electrochromic Glazing Systems in Sustainable Courtyards in Buildings-The case of Amman City, May 2016.
 - + Improving the Energy Performance for Tower Design by using Innovative Facade Systems and Intelligent Skins: the Case of Amman City, December 2016.
 - + A New Scenario for Architectural Design Education Using The Narrative of Video Games: The Implementation of "Unity 3D" Applications by 4th Year Students at The University of Jordan, December 2016.
 - + Three Dimensional Printing Technology and Automated Construction by Contour Crafting Technique: A Comparison Study between Conventional Construction and Contour Crafting Technique, May 2017.

2014-2016

Chairman of the Department of Architecture Engineering

The University of Jordan - Jordan

Department of Architecture Engineering

2013-2014

Assistant Dean for Students, Marketing, and Development Affairs

The University of Jordan - Jordan

The Faculty of Graduate Studies

2009-2014

Assistant Professor

The University of Jordan - Jordan

Department of Architecture

- Head of the Computer-Aided Architectural Design Unit, in charge of Teaching Computer Courses; Computer Architectural Drawings, Computer Applications, and Advanced Computer Design using AutoCAD, Rivet, 3D Max, and Sketch-Up Software.
- Supervising Undergraduate Architectural Design Projects.
- Winning the Second Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2013.
- Winning the First Prize and Second Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2012.
- Winning the Second Prize of the Omrania CSBE Student Award for Excellence in Architectural Design, 2011.
- Winning the First Prize and Third Prize of the Graduation Projects of Jordan Engineer Association, Architecture Division, 2011.
- Examining Several Undergraduates Architectural Design Projects at Architectural Schools in Jordan.
- Teaching Contemporary Architectural Technology Course for Graduate Students and Undergraduate Design Studios, Architectural Drawing and Presentation, Professional Practice, and Computer Aided Design Courses.
- Member of the Design Committee Responsible for Re-Designing the Main Gates of the University of Jordan, 2011.
- Member of the Design Committee responsible for Designing the College of Sharia and Islamic Studies of the University of Jordan, 2012.
- Member of the Higher Committee Responsible for Design and Execution of Golden Jubilee Exhibition Celebrating 50th Anniversary of the University of Jordan, 2012.

2002-2004 **Instructor**

- Design Courses, 1st Year
- Computer-Aided Design Course, 2nd and 3rd Year, AutoCAD 2002, and Adobe 6
- Computer and Technology Specialist and Advisor
- Established Amin Qawar Design Computer Lab at the department of Architecture- University of Jordan with state of the art Architectural Software: AutoCAD, 3D Max, Micro-Station, and ArchiCAD.

The University of Jordan - Jordan
Department of Architecture

2003-2003 **Instructor (Part-Time)**

- Computer-Aided Design Course in Architecture, 4th Year, AutoCAD 2D and 3D
- University of Petra - Jordan
Faculty of Architecture and Arts

2000-2002 **Teaching Assistant**

- Design Courses, 4th and 5th Year
- Building Construction course, 3rd Year
- Computer-Aided Design Course, 2nd Year

The University of Jordan - Jordan
Department of Architecture

1999 **Teaching Assistant**

- Design Course, 3rd Year
- McGill University - Canada
Department of Architecture

1997-1998 **Teaching Assistant**

- Computer Aided Design Courses, 2nd and 3rd Year
- The University of Jordan - Jordan
Department of Architecture

Professional Experience

2009- **Autodesk Authorized Training Instructor**

Autodesk® Software: AutoCAD 2004 Updates, Revit 5, and 3D MAX.
Teaching in Several Institutes in Amman - Jordan

1998- **Part-Time Storefront and Housing Coordinator**

Jordanian Practice Center in Civil Society & Peace Building, Amman - Jordan

2005-2006 **Part-Time Architectural Assistant**

- Working on a Range of Projects from Private Houses to a Series of Mixed-Use Public Projects and Feasibility Studies with an Emphasis on Community Participation and Design Innovation
 - New Housing, Byron Street, Partick Glasgow
 - The Wedge, Pollok Glasgow
- Collective Architecture, Glasgow - UK

- 2006-2008 **Part-Time Architect**
- Working on several projects:
 - Gorbals Health Centre, Pine Place Glasgow
 - Community Treatment Centre for Brain Injury, Commercial Road Glasgow
 - The Glasgow School of Art Mackintosh Conservation Project, Glasgow
- ZM Architecture, Glasgow - UK
- 1996-1998 **Computer Training Instructor**
- Teaching the following software:
 - + AutoCAD 2000 and 3D Max 4
 - + Corel Draw and Adobe Photoshop
 - + Internet Home Pages, HTML, and Java
- Al-Azhari Computer Services, Amman - Jordan
- 1994-1998 **Architect**
- Working on a Range of Projects from Private Houses to a Series of Mixed-Use Public Projects, such as Schools
 - Winning the Second Place of Baytona Mega Mall in Wadi Al-Remam in Amman City, that had been organized by the Jordan Engineer Association in Jordan
- Waleed Ba'ba' & Association Engineering Consultant, Amman - Jordan

Affiliation

- 2016- Fellow, Royal Society for the Arts (RSA), London, United Kingdom
- 2016 Member of the Review Committee of the 5th Jordan International Architectural Conference, Contemporary Architecture in the Arab World; Opportunities and Challenges, Jordan Engineer Association, Jordan
- 2016 Member of the Modernization and Development of the Standards of Special Accreditation for the Specialization of Architecture in Jordanian Universities Committee, Accreditation and Quality Assurance Commission for Higher Education Institutions, Jordan
- 2014- Editorial Board Member of the International Journal of Materials Science and Applications, Science Publishing Group, USA
- 2013 Member of the Jordan Engineer Association Committee for Developing Architectural Departments Study Plans in Jordan, Jordan
- 2012- Editorial Board Member of the International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development, Transstellar Journal Publications and Research Consultancy
- 2012- Member of the International Review Committee of the Journal of Civil Engineering and Architecture, David Publishing, USA
- 2012 Member of the Jordan Engineer Association Committee of the Engineering Diploma Equivalence
- 2011-2012 Member of the Jordan Engineer Association Committee of the Architectural Diploma Equivalence
- 2010- Member of the Computer Committee at the Faculty of Engineering & Technology at the University of Jordan
- 2007- Member of the Board of Directors of the Arab Society for Computer Aided Architectural Design (ASCAAD), and a Member of the International Review Committee
- 1998- Member of the McGill Middle East Program in Civil Society & Peace Building
- 1994- Member of the Jordan Engineer Association (MJEa), Architectural Division

Publications

International Journals

- Sari Suleiman, S., Hassounah, K., **Al-Azhari, W.** 2015. Developing Computer-Based Design Approach to Foster the Architectural Skills of Undergraduate Students in Design Studios. *Journal of Civil Engineering and Architecture*, 9 (8), 902-910.
- Abdel-Aziz, D., Al-Maani, D., **Al-Azhari, W.** 2015. Using Pervious Concrete for Managing Storm Water Run-off in Urban Neighborhoods: Case of Amman. *American International Journal of Contemporary Research*, 5 (2), 78-86.
- Al-Azhari, W.**, Haddadin, M., Hiyasat, R. 2014. The Effect of Street Orientation and Surrounding Building Heights on Solar Accessibility in Winter Season in Amman, Jordan. *Architecture and Modern Information Technologies (AMIT)*, 4 (29), 1-11.
- Al-Azhari, W.**, Haddad, L., Al Absi, M. 2014. Large Interactive Media Display and Its Influence on Transformation Urban Spaces from Neglecting to Action: The Case of Al-Thaqafa Street in Amman City. *Journal of Software Engineering and Applications*, 7 (10), 817-827

- Sakhrieh, A., Yaseen, K., Touqan, N., Zakarneh, A., Al-Zamer, A., **Al-Azhari, W.** 2014. Case Design a Sustainable Energy System for an Institute of Cinematographic Art. *Cold and Heat and Air Conditioning Journal*, 1 (468), 34-41.
- Al-Azhari, W.** 2013. Intelligent Building as a Practice of Understanding Human Requirements in Architectural Design. *Scientific Journal of Architecture (SJA)*, 3 (6), 102-109.
- Al-Azhari, W.** 2013. Book Review: A Place to Belong; Community Order and Everyday Space in Calvert, Newfoundland. *The Journal of American Science*, 9 (8), 60-63.
- Al-Azhari, W.**, Al-Najjar, S. 2013. Transforming Amman: Displaced Iraqis Impact on Architecture and Urban Form. *Australian Journal of Basic and Applied Sciences*, 7 (7), 140-147.
- Al-Azhari, W.**, Goussous, J., Matrouk, M. 2013. Architectural Evaluation and Structural Rehabilitation Studies for a Severely Deteriorated Prototype School Building. *Archives Des Sciences Journal (ADS)*, 66 (4), 229-239.
- Al-Azhari, W.**, Al-Najjar, S. 2013. Amman's Land Typology: The Importance of Site Characteristics on the Delivery of Sustainable Buildings. *Journal of Civil Engineering and Architecture*, 7 (1), 1-10.
- Al-Azhari, W.** 2012. Landscape Learning; Xeriscaping Design Techniques: The Case of Jordan University. *International Journal of Applied and Natural Science (IJANS)*, 1 (2), 11-28.
- Al-Azhari, W.** 2012. The Canadian Model for Housing the Homeless: Case Studies from Three Canadian Cities. *American International Journal of Contemporary Research (AIJCR)*, 2 (10), 14-28.
- Al-Azhari, W.** 2012. A Study of Housing Identity in Refugee Settlements in Jordan: Al-Wahdat Refugee Camp as a Case Study. *International Journal of Environment, Ecology, Family and Urban Studies (IJEEFUS)*, 2 (3), 26-45.
- Rjoub, A., **Al-Azhari, W.** 2011. Documenting the Architectural Heritage Resources in Mafrq Governorate Using Geographic Information System (GIS). *Architecture and Modern Information Technologies (AMIT)*, 4 (17), 1-12.

International Conferences

- Sakhrieh, A., **Al-Azhari, W.**, Yaseen, K., Touqan, N., Zakarneh, A., Al-Zamer, A. 2012. Case Study of Green Energy System Design for Cinematic Art Institute. In *4th Jordanian IIR International Conference on Refrigeration and Air Conditioning (JIIRCRAC)*, Amman, Jordan, 10-12 September 2012, pp. 1-8.
- Goussous, J., **Al-Azhari, W.** 2012. Domes Formation in Mediterranean Islamic Cities. In *The International Congress, Domes in the World*, Florence, Italy, 19-23 March 2012, pp. 101-114.
- Al-Azhari, W.**, Al-Najjar, S. 2012. Challenges and Opportunities Presented by Amman's Land Topography on Sustainable Buildings. In *Third International Conference on Construction in Developing Countries (ICCIDC-III)*, "Advancing Civil, Architectural and Construction Engineering & Management", Bangkok, Thailand, 4-6 July 2012, pp. 25-37.
- Al-Azhari, W.**, Al-Najjar, S. 2012. Amman's Land Typology: The Importance of Site Characteristics on the Delivery of Sustainable Buildings. In *X International Forum "Le Vie dei Mercanti"*, Naples, Italy, 31 May/ 1-2 June 2012, pp. 1009-1023.
- Abu Ghanimeh, A., Zgoul, M., Abu-Ghazalah, S., **Al-Azhari, W.** 2006. The Use of Computers in Architectural Research and Practice in Jordan. In *4th FAE International Symposium, Creating the Future*, Gemikonağı, TRNC, Turkey, 30 November/ 1 December 2006, pp. 453-458.

Dr. Wael W. Al-Azhari BSc (JU), MSc (JU), PhD (Strathclyde), MJEA, MASCAAD, FRSA

T: 00962 6 5163049 M: 00962 795197770 E: w.alazhari@ju.edu.jo W: <http://eacademic.ju.edu.jo/w.alazhari/>

References

Professor Alan Bridges

Emeritus Professor
Department of Architecture
University of Strathclyde
16 Richmond Street
Glasgow, G1 1XQ
Scotland, UK
Tel. +44 0 141 5524400
Email a.h.bridges@strath.ac.uk
<https://www.strath.ac.uk/staff/bridgesalanprof/>

Professor Natheer Abu Obeid

University President
School of Architecture and Built Environment
Department of Architecture and Interior Architecture
German Jordanian University
Amman Madaba Street
P.O. Box 35247
Amman 11180 Jordan
Tel. +962 6 4294444 Ext. 4001
Email natheer.abuobeid@gju.edu.jo
<http://www.gju.edu.jo/content/prof-natheer-abu-obeid-2472>

Professor Nazzal Armouti

International Director, International Code Council, USA
Department of Civil Engineering
School of Engineering
The University of Jordan
Amman 11942 Jordan
Tel. +962 6 5355000 Ext. 22700
Email armouti@ju.edu.jo
<http://eacademic.ju.edu.jo/armouti>