

## **Dr. Wael Waleed Al-Azhari**

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### **Higher Education**

Sep.2004 - Sep.2008

#### **PhD in Computer-Aided Architectural Design**

University of Strathclyde - UK  
Faculty of Engineering & Technology  
Department of Architecture

Sep.1994 - Sep.1997

#### **Master in Architecture**

The University of Jordan - Jordan  
Faculty of Engineering & Technology  
Department of Architecture

Sep.1989 - June1994

#### **Bachelor in Architecture**

The University of Jordan - Jordan  
Faculty of Engineering & Technology  
Department of Architecture

### **Training and Professional Development**

Jan.2015

#### **Advanced E-Learning Student Course**

Training course at the University of Jordan, Accreditation and Quality Assurance Center, Amman, Jordan.

Jan.2014

#### **Advanced Statistical Analysis Using SPSS**

Training course at the University of Jordan, Accreditation and Quality Assurance Center, Amman, Jordan.

April2010

#### **Eco Jordan**

Training Workshop at the University of Jordan, Faculty of Engineering & Technology in Sustainable Issues and Renewable Energy, Amman, Jordan.

April2003

#### **Autodesk Training Course**

AutoCAD 2004 update, Autodesk Architectural Desktop 2004 update, Revit 5 Introduction, New Horizons, Dubai, UAE.

June2000

#### **Right Based Empowerment Practice at Community Advocacy**

Advocacy Center, Jerusalem and Advocacy Center, Beersheva.

Sep.1998 - Sep.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.

Jan.1997

#### **Tourism Development Vernacular Architecture of the Southern Jordan**

The University of Jordan, Amman - Jordan.

June1995 - Oct.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 Rome Alasapienza, Rome - Italy.

### **Academic Experience**

April2014 - Present

#### **Associate Professor**

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

The University of Jordan - Jordan

Department of Architecture

#### Teaching Undergraduate Courses:

- First Year:
  - o Basic Design 1, Basic Design 2
- Second Year:
  - o Architectural Design 1, Architectural Design 2, Computer Architectural Drawings
- Third Year:
  - o Architectural Design 3, Architectural Design 4, Working Drawings, History and Theory of Contemporary Architecture, and Building Legislation.
- Forth Year:
  - o Architectural Design 5, Architectural Design 6, Urban Planning 1, Urban Planning 2, Building Workshop, Interior Architecture, Professional Practice, and Project Management.
- Fifth Year:
  - o 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.
  - o Winning the **First Prize** of the Graduation Projects of **Jordan Engineer Association**, Architecture Division, **2015**.

#### 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:
  - o Integrating Technologies Adapted from the Nature in Generating Hybrid Algorithmic Compositions: Mega-structure Forms, May 2015.
  - o Design-Based Strategies in Analyzing the Ethnography of Amman City Identity in Residual Spaces using the Geographic Information System (GIS) Applications, May 2015.
  - o Analysis of Built Environment and Modeling Using Space Syntax and GIS: Two Villages of Al Balqa Governate as a Case Study, May 2015.
  - o Generating Utopian Principles through Achieving Technological and Smart Image of the City: the Case of Dahiet Al-Hussein District, August 2015.
  - o The Evolutionary Use of High Performance Efficient Glass in Office Buildings to Create Sustainable Guidelines: the Case of Amman City, August 2015.
  - o Analyzing Bioclimatic Architecture in the Jordanian Badiya, Decision Support Integrated with Computer Simulation, November 2015.

Sep.2014 – Sep.2016

#### **Chairman of the Department of Architecture Engineering**

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

The University of Jordan - Jordan

Department of Architecture

Sep.2013 - Sep.2014

#### **Assistant Dean for Students, Marketing, and Development Affairs**

The University of Jordan - Jordan

The Faculty of Graduate Studies

Sep.2009 – April2014

#### **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 **Omrnia 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 50<sup>th</sup> Anniversary of the **University of Jordan**, **2012**.
- Oct.2002 - Sep.2004
- Instructor**  
Design Courses, 1<sup>st</sup> Year  
Computer-Aided Design Course, 2<sup>nd</sup> and 3<sup>rd</sup> 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 Archi-CAD.  
The University of Jordan - Jordan  
Department of Architecture
- July2003 - Aug.2003
- Instructor** (Part-Time)  
Computer-Aided Design Course in Architecture, 4<sup>th</sup> Year, AutoCAD 2D and 3D  
University of Petra - Jordan  
Faculty of Architecture and Arts
- Sep.1999 - Oct.2002
- Teaching Assistant**  
Design Courses, 4<sup>th</sup> and 5<sup>th</sup> Year  
Building Construction course, 3<sup>rd</sup> Year  
Computer-Aided Design Course, 2<sup>nd</sup> Year  
The University of Jordan - Jordan  
Department of Architecture
- Jan.1999 - April1999
- Teaching Assistant**  
(<http://www.mcgill.ca/mchg>)  
Design Course, 3<sup>rd</sup> Year  
McGill University - Canada  
Department of Architecture
- Sep.1997 - Sep.1998
- Teaching Assistant**  
Computer Aided Design Courses, 2<sup>nd</sup> and 3<sup>rd</sup> Year  
The University of Jordan - Jordan  
Department of Architecture
- Professional Experience**
- Sep.2009 - Present
- Autodesk Authorized Training Instructor**  
Autodesk® Software: AutoCAD 2004 Updates, Revit 5, and 3D MAX.  
Teaching in Several Institutes in Amman - Jordan
- Sep.1998 - Present
- Part-Time Storefront and Housing Coordinator**  
Jordanian Practice Center in Civil Society & Peace Building, Amman - Jordan
- Jan.2005 - Jun.2006
- Part-Time Architectural Assistant**  
Collective Architecture, Glasgow - UK  
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.
- Nov.2006 - April2008      **Part-Time Architect**  
 ZM Architecture, Glasgow - UK  
 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.
- May1996 - June1998      **Computer Training Instructor**  
 Al-Azhari Computer Services, Amman - Jordan  
 Using the following software:
- AutoCAD 2000 and 3D Max 4                      ◦ Corel Draw and Adobe Photoshop
  - Internet Home Pages, HTLM, and Java
- June1994 - May1998      **Architect**  
 Waleed Ba'ba' & Association Engineering Consultant, Amman - Jordan  
 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 rganized by the Jordan Engineer Association in Jordan.

**Affiliation**

- Nov2016      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.
- Jan2016      Member of the National Building Board of Green Buildings, Ministry of Public Works and Housing, Jordan.
- June2013 - Present      Member of the Jordan Engineer Association Committee for Developing Architectural Departments Study Plans in Jordan.
- May2014 - Present      Editorial Board Member of the International Journal of Materials Science and Applications, Science Publishing Group, USA.
- Sep.2012 - Present      Editorial Board Member of the International Journal of Civil, Structural, Environmental and Infrastructure Engineering Research and Development, Transstellar Journal Publications and Research Consultancy.
- Dec.2012 - Present      Member of the International Review Committee of the Journal of Civil Engineering and Architecture, David Publishing, USA.
- Sep.2012 - Present      Member of the Jordan Engineer Association Committee of the Engineering Diploma Equivalence.
- Sep.2011 - Sep.2012      Member of the Jordan Engineer Association Committee of the Architectural Diploma Equivalence.
- Sep.2010 - Present      Member of the Library Committee at the Faculty of Engineering & Technology at the University of Jordan.
- Sep.2010 - Present      Member of the Computer Committee at the Faculty of Engineering & Technology at the University of Jordan.
- Oct.2007 - Present      Member of the Arab Society for Computer Aided Architectural Design (ASCAAD), and a Member of the International Review Committee.
- Oct.2004 - Present      Member of the Royal Institute of British Architects, RIBA.
- Sep.1998 - Present      Member of the McGill Middle East Program in Civil Society & Peace Building.
- May1995 - Present      Member of the Jordan Engineer Association Club, Cultural Division.
- June1994 - Present      Member of the Jordan Engineer Association, Architectural Division.

**Thesis**

- Sep.2008      Al-Azhari, W. 2008. *Scenarios as a Design Framework in Architectural Practice and Architectural Education*, PhD Thesis, Glasgow, UK: University of Strathclyde.  
<http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.501786>
- June1997      Al-Azhari, W. 1997. *The Effects of Environmental Structures and Identity on the Perception of the Cities: Amman and Irbid as a Case of Comparison*, Master Thesis, Amman, Jordan: The University of Jordan.  
[http://archnet.org/gws/CSBE/8421/webpages\\_7881/html/theses/description/1286.html](http://archnet.org/gws/CSBE/8421/webpages_7881/html/theses/description/1286.html)

**Publications**International Journals

- Sari Suleiman, S., Hassouneh, 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.
- Goussous, J., **Al-Azhari, W.**, Al-Abweh, M. 2013. The Design Guidance of Using Glass Fibre Reinforced Concrete (GRC) in Architectural Building. *Wulfenia Journal*, 20 (5), 2-17.
- Al-Azhari, W.**, ElGhul, A., Al-Najjar, S. 2013. The Effect of Cultural Values of Children Visualization in Defining their Houses the Case of Amman City. *Jökull Journal*, 63 (5), 2-15.
- Al-Azhari, W.** 2013. A Logical Application of Computer Practice in Architectural Design: The Case of the University of Jordan. *Wulfenia Journal*, 20 (4), 277-286.
- 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 (IJEFUS)*, 2 (3), 26-45.
- Rjoub, A., **Al-Azhari, W.** 2011. Documenting the Architectural Heritage Resources in Mafraq 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*, Gemikonađı, TRNC, Turkey, 30 November/ 1 December 2006, pp. 453-458.

### **References**

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Scotland, UK  
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Department of Architecture and Interior Architecture  
German Jordanian University  
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