CURRICULUM VITAE

**NAME: Omar Musa Naji Amireh**

**BORN: Amman-Jordan 1954**

**MARITAL STATUS: Married**

**QUALIFICATION: B.Sc. Architectural Engineering 1978**

 **Ph.D. Urban Design and Architecture of “ISLAMIC CITY and**

 **ARCHITECTURE” 1990**

**POSITION: Associate Professor**

**Ex. Acting Dean, College of Architecture and Design**

**Petra University, President Advisor for Engineering Consultations**

##### SPECIALITY: Evolving Urban Design and Architecture of the Constructed Environment

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1990 – 2011 Studies, Researches and Training Activities

**Studies:**

**Urban Design and Planning**

- Evolution of the city center of the main three old cities in Jordan; SALT, IRBID and KARAK 1998.

- Effects of first Secondary Schools on the growth and evolution of the city centers of old cities in Jordan 2000.

- Emergence and wide spread use of tunnels and bridges on places of old circles, effects on Amman’s profile, cityscape and map 2005.

- Consequences of changing vehicle streets into pedestrian malls on the traditional shopping (SUQ) market and shoppers trends 2006.

- New laws and legislations needed in the changing buildings new heights, sizes, types and uses of Towers, Skyscrapers and Mega Structures (Malls, Hotels, Towers and new urban facilities) 2007.

- Appropriateness of old transportation systems; terminals, stops and routes on the spread and expansion of new districts of Greater Amman 2007.

- Adoption of Green Building concept and use on the urban sustainability of old Amman.

- THUWAL, Master Plan and Town Development ,Urban Planning and Design of Thuwal Master Plan within a Sustainable Context, Saudi Aramco, Zuhair Fayez , Jeddah, Saudi Arabia October 2008.

- HAQEL Housing Estates master plan of 500 housing units and all complimentary public facilities, Tabouk Saudi Arabia 2012

**Research and Published Papers**

-- **Constants and Variables in Mosques Architecture in Jordan.**

 The Agakhan program for Islamic Studies Department of Architecture University of Jordan 1992

**-- Urban Hybrid Tissues in the Growth of Amman**. The Architectural Scientific Magazine, Beirut Arab University, issue (8) 1994

-- **Amman Experiencing Open Plazas and Parks, “Adaptation of space to User or User to space”:** Open house International, Volume (20) November. 1995

-- **Colonial Trends in Dealing with the Traditional Islamic Cities:** Sixth Architectural Week, Jordanian Engineering Association, Amman 1992

**-- The Mosque of Rome “A Cross Cultural Architecture**: Islamic Culture Volume LXXV111 N4 2004

**-- Jerusalem and the Other Facet of Planning**: The University of Applied Sciences, Jerusalem Day Amman, 1995

**-- Contemporary and Inherited concepts in the Terminology of Modern Architecture.** The Architectural Scientific Magazine, Beirut Arab University, issue (11,12) 1998

-- **Jerusalem Publications “ Reading between the Lines:** Damascus University Magazine, volume 18, N 2 Damascus 2002

 **--Architectural Manipulation:** Contemporary Architecture in the Arab World**,** School of Architecture and Technology, University of Alger, Algeria 2003

 **--Applying Information Technologies in Measuring the Changing Quality of Life “From Nomad to Urbanism**”, Asian Transactions on Engineering, Asian Transaction V1, I4, 2011.

 --**Designing Architectural Interactive Design “Users’ Experiences versus Functions”,** the International Journal of Architectonic, Spatial, and Environmental Design, Design Principles and Practices by: Common Ground Publishing, V6, I2, 2013.

 **--The Model Child (Between International Standards and National Values),** European International Journal of Science and Technology, Center for Enhancing Knowledge (CEK) UK, V2, I2, 2013.

 **--An Introduction to Creative Thinking in Architectural Design**, International Journal of Engineering & Technology, IJENS: International Journals of Engineering & Sciences, V13, I5, 2013.

 **--Childhood Care Campaign: The CCC Initiative New Concepts of Child Urban Health Policies and Strategies,** American International Journal of Contemporary Research (AIJCR), Center for Promoting Ideas (CPI), USA, V3, 10, 2013.

 **--Applying Land Carrying Capacity: Planning and Constructing (THUWAL SA) Urban Environment**, the International Journal of the Constructed Environment, Common Ground Publishing, V3, I4, 2013.

 -- **Malls New Urban Blind Architecture: Causes and Effects of New Malls on Amman’ Urban Evolution,**

**Design Trends and Shopping Pattern. In: Mitteilungen Klosterneuburg: ISI, index, 64(2014) 7**

 **-- Hyper-Hybrid Restructuring of Amman Spatial Genealogy. In: Mitteilungen Klosterneuburg: ISI, index, 65(2015) 8**

 -- **Origami-Nano-Technological Refugee Tent. In: Journal of American Science, 2017;13(1) Accredited Journal in Jordan University,**

 -- **Aesthetics of Day Lighting in Buildings Case study: Presidential Building at Jordan University- Amman, Jordan. In: Journal of American Science, 2016;12(12) Accredited Journal in Jordan University,**

Conferences

 **--The Jordanian Engineering Association the Sixth Architectural Week,** Amman 1992.

 **--Al-AZHAR Engineering Third International Conference,** Cairo December 1993.

 **--The Tenth General Conference of the Arab cities Organization,** Dubai April 1994.

 **--Amman the City and its Society,** CERMOC Amman 1996.

 **--The Jordanian Engineering Association. The Architectural Symposium on High-rise Building,** Amman2002.

 **-- Growing up in Differences between the International Norms and Standards and the National Values and Concepts:** Children and the Mediterranean, Health, Cultureand Urban Setting,Genoa January 2004.

 **-- Absence of Child Health Care as an Independent Body in the Jordanian Policies and Strategies:** Children and the Mediterranean, Health, Culture **and** Urban SettingGenoa January 2004

**-- Amman Children Map:** Urban Children and Youth in the MENA Region, Dubai May 2005.

 **-- Applying Information Technologies in Measuring Changing Quality of Life “From Nomad to Urbanism:** ED Conference Integrating Engineering Education with Community services University of Sharjah, 2006 Sharjah UAE.

 **--Abstract Thinking, an Introduction to Creative Thinking in Basic Design:** ASCAAD, Alexandria, Egypt, 2007.

 --**Designing Architectural Interactive Design: Users’ Experiences versus Functions,** Sixth International Conference on Design Principles and Practices, UCLA, Los Angeles, USA,2012 Common Ground Publisher.

 **--Applying Land Carrying Capacity In Planning and Constructing (THUWAL SA) Urban Environment,** Third International Conference on Constructed Environment, British Colombia University, Vancouver, Canada, 2012 Common Ground Publisher.

 **--Malls New Urban Blind Architecture: Causes and Effects of New Malls on Amman’s Urban Evolution, Design Trends and Shopping Pattern**, Eighth International Conference on Design Principles and Practices, Design as Collective Intelligence, 16-18 January 2014, Vancouver Canada.

 --"**Ori-Nano Refugee Tent**," Tenth International Conference on Design Principles and Practices, 2016; 25,26,27 February 2016, Rio de Janeiro, Brazil

----“**Narrative Architectural Fiction:The brain Built Environments**” Parametricism Vs. Materialism. ASCAAD 2016 7th -8th November, London United Kingdome.

----"**The Collective Creativity Diversion**," Eleventh International Conference on Design Principles and Practices, 2017, Exploring the nature, meaning, and purpose of design, Toronto Canada, 2,3,4 March 2017

**Workshops and Training Programs**

**--Tiling Details and Applications** Ministry of Public Work Amman 1996

**-- Growing up in Amman** Municipality of Greater Amman 2002

-- **GUIC Training Program** UNESCO Amman 2003

-- **GIS GPS** **Applications and Use in Urban Design and Planning** Royal Geographic Center Amman2004

-- **Al Husayneiya/ Maan,** Urban and Environmental development project, needs committee member,

 Ongoing GIS studies 2004- 2009

 --**Urban Regeneration and the Role of Traditional Architecture,** BritishCouncil and College of Traditional Islamic Arts, seminar attended by Prince Charles and Prince Ghazi, Amman October 2004

#### --Interior Details and Construction, Jordanian Engineering Association, Amman 2005

-- **Urban conservation and maintenance,** Masqat Municipality, Oman 2006

**Professional Practices and Experience**

-- Elected Member Of the Architects Council of the Engineering Association 92-94.

-- Member of the Jordanian Engineering Association 1978-2014

-- Member of Bilad Al-Sham History Committee 2004- 2008

-- Member of the Committee developing Architectural and Urban Codes, the Royal Scientific Society2003 -2005

 --Member of JU Committee Assessing Al-Huseinai Urban and Environmental needs. 2004-2008

# Urban and Architectural Experience:

1978--1980 Design Dept. (Part time)

**SIGMA CONSULTING ARCHITECTS & ENGINEERS (AMMAN)**

* Design, the **Professionals Union**, Office Building, Investments and Pension Funds.
* Design, Details and Contract Documents the **UTG** Office Building 8000 m2.
* Design, the **Arab Seas Insurance Co.** Office Building.
* Design, Details and Contract Documents, **Mahdi Alsyfi** Residence 2000m2.

1982 -- 1983 Design Dept. (Part time)

**SHUBEILAT BADRAN KAILANI ARCHITECTS & ENG. (AMMAN)**

* Contract Documents, **The Islamic Comprehensive School and Dormitories for Orphans**, all levels Including Nursery and Craft Technical High, School 36000m2.

1983 - 1989 Projects Manager Senior Architect (full time)

**SHUBEILAT BADRAN KAILANI ARCHITECTS & ENG. (AMMAN)**

* Planning, design, details and contract documents, the **South Cement Factory Housing Estate** (540 dwellings), Rashadiya Tafila south of Jordan.
* **Queen Alia Town Growth Center**, urban planning, design and contract documents (7000 residential units and central business district, on 7000 acres)

 Phase 1, feasibility study and land use plan in collaboration with, Sir William Halcrow London.

 Phase 2, Housing Estate, Master Plan and Report (Two Neighborhood 3000 Dwellings plus all complementary Public Buildings) in collaboration with Sir William Halcrow London.

 Phase 3. Project Manager and Senior Architect of the Design, Details and Contract Documents of the 3000 dwellings, Public Buildings and the two neighborhood centers and other buildings in the town center.

* Member of the Design Team of the **Royal Academy for Islamic Culture** Competition (entry awarded first prize).
* Senior Architect, and Manager for preparing the Technical and Financial Report and Submission of the **Jamea Mosque, Cultural Center and the Justice Palace of Qasr Al-Hukm**, urban design, Riyadh Saudi Arabia.
* Design with another Architect the preliminary Architectural design for the **Justice Palace** submission ranked first), Riyadh Saudi Arabia.
* Senior Architect and Project Coordinator for the urban design, design, Details and contract Documents of the **Jamea Mosque** (joint venture with Burro Happold Bath UK)

Riyadh Saudia Arabia.

* The Minbar of Salah Al-Deen “Computer Configuration and Reconstruction’

1990 -- 1993 **Consultations**

* Design and preparation of the technical drawing of Mr.Abu Al-Rub Palace 2000m2, Rabiya Shmeysani.
* Head Juror of the Aqaba Resort Hotel 360 Room.
* Head of the Committee who prepared the Invitation Documents of three competition

Aqaba Jordan.

* Consultant, the University of Ma’an.
* Member of a Committee for preparing standards and specifications, Ministry of Industry and Commerce.
* Member of the Committee revising the Codes of Urban and Architectural Practice, The Royal Scientific Society.
* Consultant for the Ministry of Higher Education for, accrediting engineers and architect, Graduate Degrees.
* Member of a Committee in the Engineering Association for revising and accrediting

Higher Degrees.

1996 – 2003 **Consultations**

**World Bank Consultant**

* Developing Norms and Standards in Designing Health Facilities Amman Jordan 2002-2003

**Consultant House of Architecture**

* Design and preparation of the technical drawing and accommodation programs of **Alisra’ Hospital** 120 bed 20000 m2.
* Design of several public and residential buildings.

2004 – 2007 **Consultations**

* Design, Management and Implementation Interior Design, **King Abdullah II**  **Career Counseling Office Fund for Development,** University of Jordan, ( the King himself inaugurated the office)
* Preliminary Design The **Recreational Center** University of Jordan 15000 m2 6,000,000.00 Six million JD
* Preliminary Design **Alhuseineyya Development center** 3,000 m2 500000.00 JD
* Tikrit, **Iraq Strategic Development and Urban Design Fundamentals**, Regional Developments 2007-2008.
* Design of several public and residential buildings

**Competitions**

* **The Reconstruction of the Souks of Beirut,** urban design, Entry ranked one of the first group A 29 projects out of 365 projects.
* **The International Architectural competition for the New National MUSEUM of Korea** 350 Projects.
* **The University of Ma’an, Ma’an Jordan** Design and preparation of the technical drawings.

ACADEMIC EXPERIENCE

1990-2008 Associate Professor (full time)

**DEPT. OF ARCHITECTURE FACULTY OF ENGINEERING**

**UNIV. OF JORDAN**

* **Urban Design Courses** fifth year
* **Urban Planning** forth year
* **Design Courses**, all years
* **Final Project** fifth year
* **Graphic Design Courses** 1st,2nd years
* **Interior Design** fifth year
* **Building Construction Courses** 2nd, 3rd and 4th years

**Graduate Master *Courses***

1990 -- 2007 Associate Professor

**DEPT. OF ARCHITECTURE FACULTY OF ENGINEERING**

**UNIV. OF JORDAN**

* **Theories of Urban Design**
* **Urban Spacescape**
* **Art and Architecture in the Islamic Context**
* **Contemporary Architecture in the Islamic World**
* **Urban Spacescape in Contemporary Arab City.**
* **Research Methodology**
* **Sustainable Development, Changing Urban Environment**

1987 -- 1990 Ph.D. Student (full time)

**MACKINTOSH SCHOOL OF ARCHITECTURE, UNIV. OF GLASGOW BRITAIN**

**“The Evolution of the Spatial Patterns of the Islamic city”,** Supervisor Dr. Michael Burgoyne, Author of Mamluk Jerusalem.

## Thesis Supervision

 The Human Dimension Reexamined

“Amman Downtown”.

 Evaluation of Public Urban Spaces in Amman

Area as Perceived Experience.

 Political and administrative Impact on Urban Formation of the

 Arab Islamic Cities.

 Traditional Values of the Old Souqs of

Amman.

 The Influence of the Early Decorative Geometry on the spatial evolution of the Umayyad Palaces in Bilad Al-sham And Andalusia.

 Green Building in the Traditional and the Contemporary Practices in Jordan.

 Incorporating Local Schools as community centers in the crowded districts of Amman .

 Several Theses in urban studies and urban pollution and design

## Master Thesis Examiner

The Roll of the Urban space of Great Mosque Within the Urban Context of the Traditional

 Arab Muslim Cities 92.

Local Community and Its role in The Urban Formation of Arab City.

Tools for Design Investigating Computer Impact on Architectural Design Process

Several Theses in urban studies and urban pollution and design

### *Under Graduate Courses*

* Planning Legislations and laws
* Municipal Legislations and Laws
* Buildings Legislations and Laws
* Architectural Design Courses, all years
* Final Project Theses and Design Supervisor and Instructor.
* Theories and History of Architecture and Urbanism.
* Professional Practice and Economics.
* Computer Applications and Graphic.
* Contemporary Architecture and Urbanism.
* Urban Design GIS GPS applications