

Salim S. Ferwati SF
Qatar University
Architecture and Urban Planning
Email: sferwati@qu.edu.qa

Education

PhD, University of Western Ontario, 1993.
Major: Urban design and planning
Supporting Areas of Emphasis: Geography/Urban Planning

Licensures and Certifications

Certified Consultant Engineer, The Syndicate of Engineers, Syria. (August 12, 2001 - Present).

Professional Memberships

The Syrian Syndicate of Engineers. (July 1, 1983 - Present).

Oman Society of Engineers. (February 20, 2006 - June 30, 2011).

Development Activities Attended

Training, "SPSS Advanced Level Session 4," Qatar University, Doha. (May 14, 2015).

Workshop, "Enhancing Students Success : Students at risk: Invitation to Civic Engagement and Community Based - Learning: Paving the Way for Curriculum Enhancement," Qatar University, Doha. (March 8, 2015).

Training, "LiDER Intensive Training on 3D scanning/ Photogrametry," LiDER, Vienna. (April 27, 2014 - April 30, 2014).

Workshop, "Research-based Learning (RBL), by Khaled Bashir Shaban, and Mahmoud Abdulwahed.," CENG, QU, Doha. (September 12, 2013).

Workshop, "Ms. Janet Orr 'Critical Thinking and The New Blooms Taxonomy'," The Academic Bridge Program (ABP) of Qatar Foundatio, Doha. (October 14, 2010).

TEACHING

Teaching Experience

Qatar University

333, Const.Drawing and Detailing, 1 course.
512, Senior Project, 2 courses.

Directed Student Learning

Master's Thesis Committee Member, "Evaluation of the built-environment for the creative class, The Case of Doha City," ARCP - Architecture & Urban Planning. (January 16, 2015 - Present).

Advised: Nada Alaaeldin Mohamed

RESEARCH

Published Intellectual Contributions

Books

- Ferwati, M. S. (2014). Alumran 2014, DAUP Annual Book. *yearly published* (vol. 2014, pp. 148). Doha: Qatar University. <http://www.qu.edu.qa/engineering/architecture/Alumran.php>.
- Ferwati, M. S. (2013). Alumran 2013, DAUP Annual Book. *yearly published* (vol. 2013, pp. 148). Doha: Qatar University. <http://www.qu.edu.qa/engineering/architecture/Alumran.php>.
- Ferwati, M. S. (2012). Alumran 2012, DAUP Annual Book. *yearly published* (vol. 2012, pp. 148). Doha: Qatar University. <http://www.qu.edu.qa/engineering/architecture/Alumran.php>.
- Ferwati, M. S. (2010). *URBAN SEMIOTIC ANALYSES: Spatial Design and Behavioural Relations*, VDM Publishing House Ltd (pp. 1-280). Futagawa: VDM. Publishing House Ltd. VDM. Publishing House Ltd..
- Ferwati, M. S. (2010). *IWAN 2010* (pp. 148). Mascat: SQU Press. www.squ.org
- Ferwati, M. S. (2009). *IWAN 2009* (pp. 126). Mascat: SQU Press. www.squ.org
- Ferwati, M. S. (2008). *IWAN 2008* (pp. 92). Mascat: SQU Press. www.squ.org

Refereed Journal Articles

- Ali Keyvanfar, Arezou, b-hasanuddin, b-hamdan; M Salim Ferwati; and sibkrishna (2015) Methods for adaptive behaviors satisfaction assessment with energy efficient building design. in *Renewable & Sustainable Energy Reviews* No.: RSER-D-14-00168R2.elsevier
- Shafaghat, A., Keyvanfar, A., Ferwati, M. S., Bin Lamit, H., Majid, M. Z. A. (2015). Development of the Social Sustainable Urban Walkability/Assessment Framework. *Journal of Local and Global Health Science*.
- Shafaghat, Arezou, Keyvanfar, Ali; and Ferwati, M. Salim (2015). Journal of "Local and Global Health Science". publication in August 2015
- Ferwati, M. S. and Shafaghat Arezou (2015). Pragmatic Probe: Preference and Satisfaction with Built Environment. It is Scopus index Journal. *Jurnal Teknologi (Sciences & Engineering)*, 74(4), 125-134.
<https://www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=Pragmatic+Probe%3A+Preference+and+Satisfaction+with+Built+Environment>
- Ferwati, M. S. and Rania F. Khalil (2015). Semiotic Aspects of Museum Landscape, Contextual Integration and Symbolic Application. *The International Journal of the Inclusive Museum*, 8(3), 17-31. <http://ijz.cgpublisher.com/product/pub.177/prod.324>
- Ferwati, M. S. (2013). Self-Cooling Wall. *Online International Interdisciplinary Research Journal*, 3(5), 11-23. https://www.academia.edu/7488347/Self-cooling_wall
- Ferwati, M. S. (2013). The Museum of Islamic Art: Form, Perception, and Environment. *The International Journal of the Inclusive Museum*, 6(1), 55-71.
<http://ijz.cgpublisher.com/product/pub.177/prod.252>

Ferwati, M. S. (2013). Spatial Behavioral Aspects of the Arab Built Environment. *International Journal of Physical and Human Geography*, 1(1), 1-9.
<http://www.eajournals.org/journals/international-journal-of-physical-and-human-geography-ijphg/vol-1-issue-1-march-2013/>

Ferwati, M. S. (2012). Beautiful Things that we Miss in Space Syntax. *IISTE, Art and Design Studies*, ISSN 2224-6061 (Paper) ISSN 2225-059X (Online), Vol. 4, 1-11.
<file:///D:/Users/sferwati/Downloads/2663-4674-1-PB.pdf>

Ferwati, M. S. (2010). Streets' Controllability: A Comparative Study between a Traditional Arab Neighborhood and its Simplified Layout. *Archnet-IJAR, International Journal of Architectural Research*, 4(1), 75-84.
http://archnet.org/library/documents/one-document.jsp?document_id=11067

Ferwati, M. S. (2008). Proportion and Human Scale of Damascene Courtyard Houses. 2(1), 247-263. ISSN 1994-6961

Ferwati, M. S. (2007). Head-Turning Situations: A Street Walk in the City of Old Damascus. *Archnet-IJAR: International Journal of Architectural Research*, 1(3), 19-39. ISSN 1994-6961

Conference Proceedings

Y. Makido*, V. Shandas, D. Sailor and S. Ferwati (2015) The Role of Urban Development Patterns for Mitigating Extreme Urban Heat: The Case Study of Doha, Qatar. International Conference on Sustainable Architecture and Urban Design. Kyoto, Japan, November 12-13.

Ferwati, M. Salim and S.A. Ghani, (2015). Proposed Cooling Wall System, a Lesson From Nature. In Sustainable Solutions in Structural Engineering and Construction. Edited by Saha, S., Lloyd, N., Yazdani, S., and Singh, A. ISEC Press, USA. ISBN: 978-0-9960437-1-7

Ferwati, M. Salim; Shandas, Vivek; Makido, Yasuyo; Sailor, David, and Shawish, Ayla. NEIGHBORHOOD HEAT ISLANDS AND LAND COVER PATTERNS, The Role of Density in Predicting Urban Climate. In the Conference Proceeding, Ecocities in Challenging Environments, Taking the Vision Forward World Summit 2015, Abu Dhabi. Pp. 120 – 127. ISBN 978-9948-18-687-8

Yasuyo, Makido; Vivek Shandas, M. Salim Ferwati, and David J. Sailor, (2015) "Exploring the Spatial and Temporal Variation of Air Temperature in the Extreme Desert Climate of Doha, Qatar". ICUC9- The 9th International Conference on Urban Climate jointly with 12th Symposium on the Urban Environment. Toulouse, France. 23-25 July 2015.

Ferwati, M. S., Shandas, V., Sailor, D., Makido, Y. (2015). *AN APPROACH TO RESILIENT LAND COVER STRATEGIES FOR FUTURE URBAN DEVELOPMENT* (1st ed., vol. 1, pp. 344-357). Tainan,: The 8th international Conference on Planning and Design (ICPD) 2015.
<http://www.up.ncku.edu.tw/2015ICPD/>

Ferwati, M. S. (2014). *Museum Between Functionality and Iconicity: A Demand for Cultural Sustainability* (vol. 1). Hanoi and Ha Long Bay: ICOM-ICTOP 2014 Conference.
<http://ictop2014.inclusivemuseum.org/>

Ferwati, M. S. (2014). Semiotics as Guide for Architectural Formation. No. Sydney: The 4th International Utzon Symposium - What would Utzon do now?.
<http://www.be.unsw.edu.au/sites/default/files/upload/AT%200004%20FERWATI%20%28FERWATI%29%20FINAL%20PAPER%20SUBMISSION%20%20v2.pdf>

Ferwati, M. S. (2012). *Exclusive Principles of Omani Vernacular Built Environment* (1st ed., vol. 1). Symposium on the Conservation of the Traditional and Local Urban Characteristic. <http://www.architecturalconservation>

Ferwati, M. S., Garba, S. B. (in press). *Matrah Historic Area Revitalization, Oman: Issues, Challenges and Approaches*. Dubai: The 3rd International Architectural Conservation Conference and Exhibition.

Ferwati, M. S., Hakky, R. (2011). A Comparative Study of the Visual Impact of Roadways. No (1st ed., vol. 1, pp. 52-67). Dammam: The First Forum on Traffic Safety: The Reality, Experiences and Hope. <http://www.lged.gov.bd/UploadedDocument/UnitPublication/12/66/Traffic%20safety%20Forum%202011%20Book%20of%20Proceedings%20final%20version%20with%20cover%20pages.pdf>

Presentations Given

Ferwati, M. S. (Author & Presenter), Shandas, V. (Co-Author), Sailor, D. (Co-Author), Makido, Y. (Co-Author), International 2015 on Planning and Design", 2015, NCKU, "AN APPROACH TO RESILIENT LAND COVER STRATEGIES FOR FUTURE URBAN DEVELOPMENT," Other, Tainan, Taiwan, (May 23, 2015).

Ferwati, M. S. (Author & Presenter), ICOM-ICTOP 2014 Conference, "Museum Between Functionality and Iconicity, A Demand for Cultural Sustainability," Other, Hanoi and Ha Long Bay. (October 21, 2014).

Ferwati, M. S. (Author & Presenter), Khalil, R. F. R. (Co-Author), Seventh International Conference on the Inclusive Museum, "Semiotic Aspect of Museum Landscape: Contextual Integration and Symbolic Application," Other, Los Angeles. (August 4, 2014).

Ferwati, M. S. (Speaker), The annual 6th OFID Day, "Experiential Learning: Flexible and Creative Teaching Methods," QU, Qatar University. (May 14, 2014).

Ferwati, M. S. (Author & Presenter), The 4th International Utzon Symposium - What would Utzon do now?, "Semiotics as Guide for Architectural Formation," Other, The Sydney Opera House & UNSW Australia CBD Campus. (March 7, 2014).

Ferwati, M. S. (Other), "M. Salim Ferwati. (2013). The Museum of Islamic Art: Form, Perception, and Environment. The Sixth International Conference on the Inclusive Museum, Copenhagen, Denmark, 22-24 April 2013.," Copenhagen, Denmark. (April 22, 2013).

Ferwati, M. S. (Co-Author), Garba, S. B. (Main Author), The 3rd International Architectural Conservation Conference and Exhibition, "Garba, Shaibu and Ferwati, M. Salim (2012). A joined paper under the title, "Matrah Historic Area Revitalization, Oman: Issues, Challenges and Approaches". The 3rd International Architectural Conservation Conference and Exhibition.," Other, Dubai. (December 17, 2012).

Ferwati, M. S. (Co-Author), The First Forum on Traffic Safety: The Reality, Experiences and Hope., "?A Comparative Study of the Visual Impact of Roadways?," University of Dammam. (December 2011).

Ferwati, M. S. (Other), "M. Salim Ferwati. (2012). Exclusive Principles of Omani Vernacular Built Environment. Symposium on the Conservation of the Traditional and Local Urban Characteristic.," Muscat. (October 1, 2011).

Media Contributions

Newspaper

Al-Rahia, Qatar. (June 21, 2014).

Contracts, Grants and Sponsored Research

Grant

Ferwati, M. S. (Lead Principal Investigator), Garba, S. B. (Principal Investigator), "Art in Public Places The Case of Doha Municipality, Qatar," Local, \$47,600.00. (September 10, 2015 - Present).

Ferwati, M. S. (Lead Principal Investigator), Sailor, D. (Principal Investigator), Shandas, V. (Principal Investigator), "Towards an Eco-Districts Strategy for Sustainable Urbanism in the Gulf Region. Greater Doha as case study," Local, \$998,865.30. (December 15, 2012 - February 28, 2016).

Ferwati, M. S. (Lead Principal Investigator), "Biomimicry – An Approach to Smart Qatari Built Environment," Qatar University, \$10,000.00. (July 23, 2015).

Ferwati, M. S. (Lead Principal Investigator), Ghani, S. A. A. (Principal Investigator), "An Investigation of Badgir Architectural Features on Livable Spaces Thermal Performance," Local, \$49,200.00. (July 17, 2015).

Ferwati, M. S. (Principal Investigator), Boussaa, D. (Lead Principal Investigator), "Urban regeneration and Social Sustainability in Doha; A Critical Review of three Projects; Souk Waqif, Msheireb and Al Asmakh.," Local, \$52,000.00. (July 17, 2015).

Ferwati, M. S. (Principal Investigator), Garba, S. B. (Lead Principal Investigator), "Comparative Examination of Planning System for Sustainable Urban Development in the GCC Countries," Local, \$794,285.00. (May 14, 2015).

Ferwati, M. S. (Lead Principal Investigator), Garba, S. B. (Principal Investigator), Shandas, V. (Principal Investigator), "Developing Metrics for Assessment of Urban Sustainability; Role of Urban Form," Local, \$826,477.00. (May 14, 2015).

Ferwati, M. S. (Co-Principal Investigator), Shafaghat, A. (Lead Principal Investigator), Janelle, D. (Principal Investigator), Keyvanfar, A. (Principal Investigator), "Urban Walkability Satisfaction Assessment Model As A Social Sustainable Urban Design Decision Support Tool In Healthier Living Environment," Local, \$891,950.00. (May 14, 2015).

Ferwati, M. S. (Lead Principal Investigator), Ghani, S. A. A. (Principal Investigator), "Building Construction System for Natural Cooling," Local, \$59,500.00. (March 27, 2015).

Ferwati, M. S. (Lead Principal Investigator), Hallak, M. E. (Principal Investigator), "The Static and Dynamic Aspects of Qatari Architecture," Local, \$58,900.00. (March 27, 2015).

Ferwati, M. S. (Principal Investigator), Hallak, M. E. (Lead Principal Investigator), "Walkable Doha: Towards a Pedestrian Friendly City Core," Local, \$57,500.00. (March 27, 2015).

Ferwati, M. S. (Lead Principal Investigator), "Architectural Analysis of the Islamic Museum of Art, Doha, Qatar," Qatar University, \$19,000.00. (April 1, 2012 - March 15, 2013).

Other

Ferwati, M. S. (Co-Principal Investigator), Rizzo, A., "Evaluating the Social Sustainability of Mega-Project in Doha, Qatar. Cycle 12.(Under review)," Other, \$36.00. (June 15, 2012).

Intellectual Contributions in Submission

Refereed Journal Articles

Ferwati, M. S., Shafaghat, A. (2015). Experiencing the Uniqueness of Islamic Architecture. *Muqarnas: An Annual on the Visual Cultures of the Islamic World*.
<http://agakhan.fas.harvard.edu/icb/icb.do?keyword=k69205&tabgroupid=icb.tabgroup104596>

Ferwati, M. S., Garba, S. B. (2015). Instructional Process and Students' Learning in Architectural Design Studio in SQU. *Journal for Education in the Built Environment (JEBE)*.

Ferwati, M. S., Yasuyo, M., Vivek, S., David, S. (2015). Rapid urban growth and development patterns in the Middle East: The Case of Doha, Qatar. *Computers, Environment and Urban Systems*.

SERVICE

Department Service

Coordinator, Carpentry workshop. (March 1, 2015 - Present).

Coordinator, DAUP Annual Report. (February 1, 2012 - Present).

Coordinator, Al-Umran, The Department Annual Book online publication. (October 1, 2011 - Present).

Member, Building Science Lab. (October 1, 2011 - Present).

Coordinator, Media and Documentation Lab. (October 1, 2011 - Present).

Member, Strategic Planning Committee. (February 1, 2011 - Present).

Member, Graduate Studies and Research Committee. (February 1, 2011 - September 18, 2014).

Member, Curriculum Committee. Includes all activities and service related to scheduling and registration, curriculum updating, NAAB accreditation, assessment. (February 1, 2012 - January 1, 2013).

College Service

Committee Member, CENG Safety Committee. (October 1, 2014 - Present).

Member, Transportation committee. (March 5, 2013 - June 30, 2013).

University Service

Committee Member, DHIG Highway Project. (2015 - Present).

Advisor, Core Curriculum Program, Foundation Program. (November 11, 2014 - Present).

Professional Service

A judge in the Visual Arts & Design panel for The Undergraduate Awards Judging Process 2015. UA Global Summit.

Member, Organization Committee, Symposium on the Conservation of the Traditional and Local Urban Characteristic. (October 15, 2011 - October 3, 2012)

Committee Member, Symposium on the Conservation of the Traditional and Local Urban Character. (October 1, 2010 - October 3, 2012)

Member, Organization Committee, Symposium on the Conservation of the Traditional and Local Urban Character, Ministry of Housing, Muscat, Oman, Oct 2011-12

Member, Scientific Committee, Symposium on the Conservation of the Traditional and Local Urban Characteristic, Ministry of Housing, Muscat, Oman, Oct 2012

Sultan Qaboos University

In May 8-9, 2007, the 2nd Engineering Society Exhibition's First Award was given to my students in Design IV as the best project conducted at SQU in the last two academic years 2005-2007; and awarded the third position for 2008-2009.

SQU representative to the Ministry of Heritage and Culture to produce a "Reference Book for the Conservation Principle and Technique Work". Feb 2007 - 2009.

City of London, Canada

Civic Appointee, EEPAC (Environmental and Ecological Planning Advisory Committee), City of London, May 21, 2003 – 21 February, 2004.

Civic Appointee, LHAC (London Housing Advisory Committee), London, Ontario. January 2004 – 2005.

King Faisal University

Head of the Computer Application Team, Jabal Omar Design Competition, Makkah Al-Mukarramah, April to December 2000

Damascus University

Photographing and supervising the documentation works of 80 Historical Damascene Buildings at Damascus University, The Faculty of Architectural for Arab Consulting Engineering Center. July 1995- August 1998

Syrian Representative in The Middle Eastern/Swedish Dialogue, Beirut, Lebanon, 13-15 August, 1996

Syrian Representative in The Middle Eastern/Swedish Dialogue, Damascus, Syria, 13-15 February, 1996

University of Kansas, USA

Member in the Organizing Committee of the "International Conference on Built Form and Culture Research", November 5-8, 1997

Consulting

Government, Ministry of Housing, Oman, Ministry of Housing, Muscat. (February 12, 2009 - June 15, 2009).

PROFESSIONAL DEVELOPMENT ACTIVITIES

(A) Architectural Firms:

William's Huber Architectural Team, Lawrence, Kansas, USA, 1987- 1988

Participated in three design projects: 1- Kennedy School Addition (educational),
2- M.S.A. Mosque (institutional), and 3- Warehouse for the Kansas University Press.

Akili Architectural Firm, Damascus, Syria, 1982, Arab League Competition Design for Arab League
Headquarters, Tunis, (second prize)

Mahmod Haboub Architectural Firm, Damascus, Syria, 1980 – 1982, Participated in Alawka Ministry
Competition for the design of a commercial building near
the Old City of Damascus, (first prize)

(B) House of Arch. and Eng., Owner and Principal, Damascus, Syria, 1993- 2002

1. Won an enclosed competition for designing Komatsu Office Building and Workshop building, Dammam, Bugshan & Bros., Arabian Consulting Engineering Center, Saudi Arabia, 2002.
2. Designed Bakshan Residential Compound, Alkober, Saudi Arabia, 2002.
3. Participated in the Design Competition for the new building of the Syrian Foreign Ministry, February 1999
4. Designed Aleppo Radio and TV Station and built a model, in association with Birqawi Construction Unit, client: Ministry of Information, Damascus, Syria, July 1998.
5. Designed (2) Villas, 1- Sharif Birqawi Villa in Al-assad Villages, and 2- Yassin's Villa in Al-Zabadani, suburb of Damascus, on an area of 1000 square meters for each, July 1997 to April 1998.
6. Designed the Main Manager Building and an Office Building for Al-Aghawani Company, Al-Gezlania, Suburb of Damascus, March 1997.
7. Participated in the Design Competition of "Contemporary Bahraini House -Traditional Vision," Department of Civil and Architectural Engineering, College of Engineering, University of Bahrain, November 1997.
8. Modified Artouz Hospital's plan and designed nearby a physicists' residential building, Client, Dr. M.Mkamal, July 1996.
9. Designed (4) Villas in Yafoor, Suburb of Damascus, and built models for each: 1-Al-Sawah Villa, 2- Al-Hamwi Villa, and 3-Baghdadi Villa, each on an area of 5000 square meter, 4- Saka Amini Villa in Yafoor, suburb of Damascus, on an area of 5000 square meters, January 1994 to May 1995.

Juries 1995 – Date:

Damascus University

Architecture project, urban design projects

King Faisal University

Architectural projects, urban design projects, interior design projects building technology projects,

Sultan Qaboos University

Architectural engineering projects

The scientific college of Design, exterior juror for interior design projects, 2009-2011

Qatar University

Various architecture design courses