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Education

Ph.D.	Urban Design & Environmental Studies	University of Liverpool, UK	1991
M.Sc.	Architecture & Building Construction	University of Alexandria, Egypt	1987
B.Sc.	Architecture Engineering	University of Alexandria, Egypt	1982

Academic Position

Current Position (since 2001): Associate Professor, Arch. Eng. Dept. Faculty of Engineering, UAE.
2004 - Professor, Arch. Eng. Dept., Faculty of Engineering, Alexandria University, Egypt.
1997 - 2003: Associate Professor, Arch. Eng. Dept., Faculty of Engineering, Alexandria University, Egypt.
1992 - 1997: Assistant Professor, Arch. Eng. Dept., Faculty of Engineering, Alexandria University, Egypt.
1997 -1998: Associate Professor, Faculty of Architecture, Beirut Arab University, Beirut, Lebanon.
1994 -1997: Assistant Professor, Faculty of Architecture, Beirut Arab University, Beirut, Lebanon.
1987 -1992: Full-time Instructor, Arch. Eng. Dept., Faculty of Engineering, Alexandria University, Egypt.

Academic Experience

More than 25 years of teaching experience and supervising Master and PhD Theses in Architecture and Built Environment, Building Construction, Urban Design.

Undergraduate Taught Courses: Architectural Design Studios, Building Construction Courses, Working Drawings, Architectural Working Details, Urban Design, and Building Technology.

Graduate courses: Building Technology, Building Materials, Urban Design, Research Methods, Environmental Impact Assessment of Building Materials, Irregular & Complex Construction, and Selected Topic in Design & Urban Planning.

Graduate Taught Courses: Research Methods, Environmental Impact Assessment of Building Materials Sustainable Infrastructure, Selected Topic in Design & Urban Planning, Research Based Design Project, Irregular and Complex Constructed Facilities, Independent Research in Architectural Engineering I, and Independent Research in Architectural Engineering II

Graduate and Postgraduate Theses: Supervised more than 13 different Master Theses (Alexandria University and UAE University) and 5 Ph.D. Dissertation: Alexandria University, Beirut Arab University, joined with State University of New York, and UAEU.

Thesis and Dissertations (supervision):

- PhD Research titled "Decision Support System for Suitability of Environmental Development in Urban Communities" (joined with State University of New York), 2002.
- MSc Thesis titled "Environmental Impact of Paints on Human Health in the UAE", UAEU, 2003.
- MSc Thesis: "Energy Efficiency in Office Buildings, with Particular Reference to Abu Dhabi City", UAEU, 2006,

- MSc Thesis: "Risk Assessment and Safety Improvement for Small Construction Sites in the Emirate of Abu Dhabi, UAE". UAEU, 2010
- MSc Research Based Project: Al Ghareba East Development Project, Al-Ain, UAE: Applying Sustainable Community Principles to the Project; UAEU, 2012
- PhD Thesis: Strategic Planning towards Emirate of Abu Dhabi Urban Governance, UAEU, 2013

Professional Experience

More than twenty years of consultancy and practicing architecture and building construction. This includes architectural design projects, supervision of several construction projects, and participation in national and international consulting groups.

Consulting Architect:

- 1991 – 1998: Consultant to the Engineering Department, University of Alexandria, Alexandria, Egypt.
- 1993 – 1998: Consultant to CORAY, Tripoli, Lebanon.
- 1982 – 1993: Joint Consulting Group for Studies and Design, Alexandria, Egypt.
- 1993 – 2001: Private Consultant Office, Alexandria, Egypt.

Research Interests

- Energy efficiency in buildings.
- Urban Development and Infrastructure.
- Building Construction.

Recent Funded Researches

- The Planning and Transformation of Urban Residential Pattern: the Case of Al-Ain, UAE, 2002. (PI).
- The Use of Virtual Reality in Urban Design: Enhancing the Image of Al-Ain City, UAE, 2002. (CI).
- Thermal Performance of Double Skin Facades in Hot and Arid Climate, 2005. (CI).
- Towards a Method of Evaluating Street lights and Landscape for Reduced Traffic Accidents in Al-Ain, 2006 (CI).
- Integrating Advanced Facades for Low-Energy Building Performance: Intelligent Design Criteria for the UAE, 2009 (PI)
- Double Skin Façades with Integrated Vertically Greenhouse for Low Energy Building Performance; with Reference to Abu Dhabi, 2011 (PI)
- Thermal properties of Technology-rich Learning Environments: impact on the Estidama Rating for School Buildings in the UAE, 2012 (CI)
- In-Situ Performance Measurement of Green Wall System in UAE, 2014 (PI)

Recent Publications

- Haggag, M. A. and Ayad, H. "The Urban Structural Units Method: a Basis for Evaluating Environmental Prospects for Sustainable Development", Urban Design International Journal, Vol. 7, Issue 2, pp. 97-108, Dec. 2002.
- Haggag, M. A. and Rashed A. "Urban Conservation in Practice: Evidence from the United Arab Emirates", Engineering Scientific Journal, Alexandria University, Vol. 42, No. 2, pp 249-261, 2002.
- Haggag, M. A. The Western Influence on Traditional Arab cities: With Particular Reference to Dubai, UAE, Proceeding of the 1st International Conference on Sustainable Planning and Development, Skiathos, Greece, 2003.
- Haggag, M. et al, "The use of virtual reality in urban design: enhancing the image of Al-Ain City, UAE", Proceeding of The Fourth Annual UAEU Research Conference, 2003.

- Haggag, M., "The Impact of Globalization on Urban Spaces in Arab Cities, Proceeding of The 2004 International Conference on Globalization and Construction, Bangkok, Thailand, 2004.
- Haggag, M. A. and K. Hadjri, "The Transformation of Residential Pattern in Al-Ain City, UAE", Proceeding of the 2nd International Conference on Sustainable Planning and Development, September 2005, Bologna, Italy.
- Haggag, M., "Building Skin and Energy Efficiency in Hot Climate, with Particular Reference to Dubai, UAE", Energy and Sustainability II; Mammoli, A. and C. Brebbia (editors); WIT Press, UK, ISBN, 2007, pp.
- Riad Saraiji, R. and M. Haggag, Evaluating Street lights and Landscape for Reduced Traffic Accidents in Al-Ain, UAE, Proceeding of the 9th annual UAEU Research Conference, 2008, Al-Ain.
- Haggag, M. "Integrating Intelligent Glass Facades Into Sustainable Buildings: Cases from Abu Dhabi, UAE". Energy and Sustainability II; Mammoli, A. and C. Brebbia (editors); WIT Press, UK, ISBN 84564191-7, 2009, pp. 323 - 332
- Haggag, M. The Use of Green Wall in Sustainable Urban Context: with Reference to Dubai, UAE, Proceeding of "Eco-Architecture 2010" the 3rd International Conference on Harmonization between Architecture and Nature, 2010, La Coruna, Spain.
- Elmasry, S. and M. Haggag, "Whole-building Design for a green school building in Al-Ain, United Arab Emirates". Sustainable Development and Planning V; Brebbia, C. and E. Beriatos (editors); WIT Press, UK, ISBN 978-1-84564-544-1, 2011, pp. 165 – 166
- Haggag, M. and S. Elmasry, "Passive Cooling Techniques for Sustainable Building Performance in Hot Climates with reference to UAE". Sustainable Development and Planning V; Brebbia, C. and E. Beriatos (editors); WIT Press, UK, ISBN 978-1-84564-544-1, 2011, pp. 201 – 212
- Haggag, M., et al "Design with Nature: Integrating green façades into sustainable buildings with reference to Abu Dhabi". Proceeding of the 6th International Conference on Relating Design in Nature with Science and Engineering, 11-13 June 2012, La Coruna, Spain.
- Abdou, A., M. Haggag, and O. Al Khatib, "The Inspection of Marble Flooring Using Infrared Spectroscopy: A case Study of Residential Building in Abu Dhabi, UAE". Proceeding of the 3rd International Conference on Construction in Developing Countries (ICCIDC-III) "Advancing Civil, Architectural and Construction Engineering & Management", Bangkok, Thailand, July 4-6, 2012
- Haggag, M., "Thermal Performance of Sustainable Building Skin in Hot Climate: Cases from UAE", Paper submitted to the 7th International Conference on Construction in the 21st Century" (CITC-VII), Bangkok - Thailand December 19-21, 2013
- Elmasry, S., M. Haggag, A. Hassan, A Study of Thermal Performance of Contemporary Technology-Rich Educational Spaces; Haggag, M. et al, Systemics, Cybernetics and Informatics Journal, ISSN: 1690-4524 VOLUME 11 - NUMBER 6, 2013.
- Haggag, M. et al, Experimental Study on Reduced Heat Gain through Green Facade in High Heat Load Climate of UAE, International Journal of Energy and Buildings, Volume 82, October 2014, Pages 668–674.

Membership of Scientific and Professional Committees and Societies

- Serving as a member of: Architectural Heritage Society, Dubai (www.uaeheritage.org); Alumni Team of Liverpool University at UAE (ambuae@liv.ac.uk); Ecocity Builders, Oakland CA, USA (www.ecocitybuilders.org); "Who's Who in the world", an international publication which provides a source of biographical information; Syndicate of Egyptian Engineers; and Society of Egyptian Architects (SEA)
- Member of Engineering Committee, University of Alexandria, Alexandria, Egypt

- Membership of Scientific Committees of International Journal: Design, Energy and Sustainability & Nature and Eco-dynamics
- Membership of Scientific Committee of International Journals Sustainable Development and Planning
- Membership of Scientific Committee of Emirates Journal for Engineering Research (EJER)
- Membership of International Scientific Advisory Committees of International Conferences: Energy and Sustainability, Eco-Architecture, and Energy and Sustainability

Recent community and University Services

- Chair of an Experts Committee to work for a Court Case, Judicial Department, Judicial Support Sector, Abu Dhabi; November 2011- March 2012
- Member of Review Committee of the UAE National Transport Plan; 2010
- Member of the University Procurement Committee (2004 to 2012)
- COE Representative in the University Receiving Committees for Construction Projects
- Member of a Question Setting and Jury Committee of the University Student Pioneers Cup Competition for AY 2008-2009, 2009-2010, 2010-2011 and 2011-2012
- Member of a Question Setting and Jury Committee of the University Cultural Challenge (UCC) for AY 2012-2013
- Representative of the Associate Professors and Member of the Faculty Board AY 2009-2010 and 2010-2011
- Chair of the Receiving and Technical Inspection Committee: AY 2008-2009 to 2010-2011
- Member of the Peer Evaluation of Teaching Committee (PET)
- Member of ABET Outcomes Assessment Committee for AY 2008-2009 to 2010-2011
- Coordinator of Scientific Field Trips, Exhibitions, and Social Activities for AY 2005-2006 to 2010-2011
- Coordinator of Timetabling Committee AY 2008-2009, 2009-2010, 2010-2011, 2011-2012 and 2012-2013
- Advisor of AE Student Society (AESS), Male and Female sections, from AY 2006-2007 to present
- Member of Review and Interview Committee of New Faculty & instructor positions
- Member of the UAEU Undergraduate Program & Curriculum Committee (AY 2014-2015)
- Chair of COE Curriculum Committee (AY 2014-2015)
- Member of COE Faculty Travel Committee (AY 2014-2015)
- Vice Chair of Receiving goods, materials and services committee (AY 2014-2015)
- Chair of AE Program Curriculum & Continuous Improvement Committee (AY 2014-2015)
- Chair of Structures, Building Construction & Management Committee (AY 2014-2015)

Honors and Awards

2007	The College Recognition Award for Excellence in Teaching
2006	UAE University merit for exceptional services
1999	Second Price from Ministry of Culture, Cairo (The National Expiation of El-Ghardaka, The Read Sea, Egypt)
1993	First Price from Ministry of Tourism, Cairo, (Development Project of El-Ahlam Island, El-Montaza Palace, Alexandria, Egypt)
1993	Awarded from the United States Information Agency, International Official Visitor to the USA