

RESUME
KHEIRA ANISSA TABET AOUL

CURRENT ADDRESS

Kheira Anissa Tabet Aoul
Department of Architectural Engineering , College of Engineering, United Arab Emirates University
Maqam Campus, Building F1, PO Box 15551, Al Ain, United Arab Emirates
E-mail: kheira.anissa@uaeu.ac.ae
voice: +971 3 713 5184
Fax: +971 3 713 4990

ACADEMIC CAREER

- 2011 – Present **Professor**, United Arab Emirates University, UAE.
2003 – 2005 **Professor**, University of Sciences and Technology of Oran, Algeria.
2001 – 2002 **Visiting Researcher**, Graduate school, Arizona State University, USA.
1997 – 2003 **Associate Professor**, University of Sciences and Technology of Oran, Algeria.
1991 – 1997 **Assistant Professor**, University of Sciences and Technology of Oran, Algeria.
1989 – 1991 **Instructor, Research Assistant**, Sheffield University, UK.

PROFESSIONAL EXPERIENCE

- 2009 – 2011 **VICE PRESIDENT OF SUSTAINABILITY - GREEN BUILDING CONSULTANT**
RAENERGY, Las Vegas, Nevada, USA.
 - Green Building / LEED / Sustainability Consulting - providing a diverse range of consulting services to owners, developers, architects, and contractors to create high-performance, environmentally responsible buildings, as well as a variety of informational and educational resources for building professionals.
- 2006 – 2009 **PROJECT MANAGER / LEED DESIGN COMPLIANCE COORDINATOR**
TISHMAN SUSTAINABILITY CORPORATION, Las Vegas, Nevada, USA.
 - Services included facilitating consensus-driven goal setting to achieve Leadership in Energy and Environmental Design (LEED), LEED Design compliance, feasibility studies, tracking high performance strategies while providing on-going research and coordination to assist team implement, meet and/or exceed their goals and objectives. Advised and educated team members on the LEED system and most effective management processes to obtain certification goals.
- Projects included:
- Echelon Resorts - LEED New Construction, Las Vegas, NV; Mixed-Use Hospitality Resort
 - The Meeting Center at the Echelon Resorts - LEED Commercial Interior, Las Vegas, NV
 - City Center, LEED New Construction, Las Vegas, NV; Mixed-Use Hospitality Resort
 - Embassy Tower - LEED New Construction, Los Angeles, CA; Residential and Retail Building
 - 1560 Broadway - LEED Existing Building, New York, NY; Office Building
 - 515 Madison Avenue - LEED Existing Building, New York, NY; Office Building
- 1997 - 2004 **SUSTAINABILITY DESIGN CONSULTANT**, B.E.A Architects, Algeria
 - Consultant Architect on Sustainable Design, Daylighting and Thermal issues for new construction as well as the retrofitting of existing buildings. Projects included: housing, educational and office buildings.
 - Senior Technical Advisor on the restructuring city center of Arzew, Algeria (2003 -2004)

1992

FREELANCE SUSTAINABILITY DESIGN CONSULTANT

- Consultant for Internal Revenue Service, Laguna Niguel, California (USA), on "The effect of obstructed windows on visual comfort and productivity in offices". Reviewed and recommended office design layout in relation to access to windows.

ADMINISTRATIVE EXPERIENCE

2012- Present **CHAIR, ARCHITECTURAL ENGINEERING DEPARTMENT,** College of Engineering, United Arab Emirates University (Al Ain), UAE.

- Administration of Bachelor and Master of Architectural Engineering programs; overall academic and faculty coordination, review and general administration.

2001 - 2004 **DIRECTOR, SCHOOL OF ARCHITECTURE,** University of Science and Technology of Oran, Algeria

- Oversaw productivity and performance of entire school with 900 full-time students and 50 full-time faculty members; represented school within the faculty and university, and on all external bodies actively participating in committee work with both faculty and university.

1997- 2001 **DIRECTOR,** Architectural Graduate Program and Research, University of Science and Technology of Oran, Algeria

- Coordination of architectural research activities and administration of the Master program.

RESEARCH AND CREATIVE ACTIVITY (Selected Records)

- Tabet Aoul K. (2013), "Visual requirement and window design in office buildings: a study of window size, shape, climatic and cultural impacts" Proceedings of CIE 2012, "Lighting Quality and Energy Efficiency" 19-21 September 2012, Hangzhou, China. pp. 276-285.
- Tabet Aoul K. (2013). "Windows functions and design: daylighting, visual comfort and well-being" Proceedings CIE 2012, "Lighting quality and energy efficiency" 19-21 September 2012, Hangzhou, China. pp. 555-565.
- Belakehal A., Bennadji A., Tabet Aoul K. (2011). "Colors in office buildings under a clear sunny sky. The occupants' point of view" Proceedings 8th National Lighting Congress, 14-15 April 2011, Istanbul, Turkey, pp.115-122.
- Belakehal A., Bennadji A. Tabet Aoul K. (2010), "Office Buildings Daylighting Design in Hot Arid Regions: Forms, Codes and Occupants' Point of View". Proceedings of the International Engineering Conference on Hot Arid Regions (IECHAR 2010) Al-Ahsa, KSA, May 1-2, 2010. pp
- Belakehal A., Bennadji A., Tabet Aoul K. (2009), "From words to ambience: towards an architectural daylighting design based on users' perceptions and behaviors". Proc. Lux Europa'2009 Conference, Istanbul, Turkey 09-11 September 2009, pp.185-190.
- Belakehal A., Bennadji A. Tabet Aoul K. (2009), "Towards an occupant based conceptual model. Case of the natural luminous ambience". Proceedings of the PLEA'2009 Conference, Quebec City, Canada, 22-24/06/2009, pp. (06 pages).
- Bennadji A., Belakehal A. Tabet Aoul K. (2005), "Office occupants' appreciation of window size under a clear sunny sky. Towards an efficient building regulation". Proceedings of the World Renewable Energy Congress, 22-27 May 2005, Aberdeen, pp.1135-1140.
- Belakehal, A., Tabet Aoul, K., Bennadji, A., (2004) "Occupants and daylight in office buildings under clear sunny skies", Proceedings of COBRA 2004 (The International construction research conference of the Royal Institute of Chartered Surveyors), 7-8 September 2004, Leeds, UK. pp 4-11.
- Belakehal, A, Tabet Aoul, K ; (2004) "Sun lighting and daylighting strategies in the traditional urban spaces and buildings of the hot arid regions", *International Journal of Renewable Energy*, 2004, N° 29, pp 687-702
- Belakehal, A., Tabet Aoul, K., & Bennadji, (2003) A., "The impact of sunlight and daylight on the dwelling's occupancy. Case of the hot and arid regions of Algeria" Proceedings 3rd Conference of the EPUK (Environmental Psychology in the UK) Network, 23-25 June 2003, Aberdeen, UK. pp 56-63.
- Tabet Aoul, K., & Meliouh, F., (2003) "Modern" versus traditional housing in the Algerian Sahara: the inhabitants Adaptation dilemma", African Urban Spaces: History and Culture Conference, University of Texas at Austin, USA. 28-30 March 2003.

- Belakehal, A., Tabet Aoul, K., & Bennadji, A., (2003) “ *A daylighting evaluation in offices under clear sunny skies*” Proceedings of PLEA 2003 (Passive and Low Energy Architecture), 9-12 December 2003, Santiago, Chile.
- Tabet Aoul, K., (2002) "*Windows and Lighting: Design for visual comfort*", CIE International Conference “Comfort and Efficiency within Interior and Exterior Lighting Systems”, Bucharest, Romania. 28-30 November 2002, pp 122-131.
- Tabet Aoul K., (2001) "*Vernacular architecture and the bioclimatic potentialities of contemporary housing in Algeria*" in the Sharjah Solar Energy Conference, incorporating the 7th Arab International Solar Energy Conference & Regional World Renewable Energy Congress, Sharjah, United Arab Emirates, 19–22 February 2001, pp 655-675.
- Belakehal A., Tabet Aoul K, Bennadji A. (2001) "*Sunlight in the traditional dwellings of Algeria*". Proc. International Lighting Congress, 12-14 September 2001, Istanbul, Turkey. Turkish National Committee on Illumination. pp.118-125.
- Sriti, L., & Tabet Aoul K., (2001) " *Are Contemporary self-built houses adapted to the hot arid climate of Algeria?*" 19th Conference on “Passive and Low Energy Architecture”, Toulouse, France, 7-9 November 2001, pp . 981-987.
- Belakehal, A., Tabet Aoul, K. & Sriti, L. (2001) " *Shading : An aesthetic Solar Control Strategy*", *Open House International*, Vol. 26, N°1, 2001. UK, pp 65-71
- Tabet Aoul, K. (2001) "*The impact of Access to windows on visual comfort : a cross-cultural evaluation*", International Seminar: “Cooling frontiers; the advanced edge of cooling research and applications in the built environment”, Arizona State University, Tempe, USA. 4-7 October 2001, pp 11-14.
- Belakehal, A & Tabet Aoul K ; (2000) "*An experimental assessment of shading and shadowing strategy: the case of the cantilevered volumes. Reference to dwellings in arid lands*", *The International Journal of Ambient Energy*, Vol 21, N° 4, October 2000. Ambient Press Limited, UK, Editor: J.C. McVeigh, pp 179-186.
- Belakehal, A. & Tabet Aoul, K. (2000) "*L'ombre, esthétique et contrôle du rayonnement solaire dans les milieux arides: cas des pays islamiques*" (French) *Journal de l'Environnement Africain*, N°. 41-42, Vol. XI, 2000 Enda, Dakar, pp. 23-46 .
- Tabet Aoul, K ; (1999) " *Bioclimatic potentialities of contemporary housing estates; Architecture, energy and comfort*", Published in "Architecture, Energy and Environment : Compendium of Independent Studies", Housing and Development Studies, Lund Center for Habitat Studies, University of Lund, Sweden. October 1999, pp 1-1 to 1-10.
- Tabet Aoul, K. (1996) "*Housing design, energy conservation and building regulation: the case of Algeria*", Proc. of the 4th European Conference on Solar Energy in Architecture and Urban Design, Berlin, Germany. Publishers H.S. Stephens & Associates. 26-29 March 1996, pp. 533-536.
- Tabet Aoul, K. & Shelley, G. (1993) "*An investigation on the effect of access to windows on visual comfort, motivation and productivity*", Proc. of the 3rd European Conference on Solar Energy in Architecture and Urban Design, Florence, Italy. Publishers H.S. Stephens and Associates 17-21 May 1993, pp. 157-160.
- Tabet Aoul, K. & Sharples, S. (1990) "*The Interaction of preferred window size with Thermal and Visual Comfort*", Proc. of ISES Energy Congress, Reading, UK. Pergamon Press, New York. 23-28 September 1990, pp. 2648-2652.
- Tabet Aoul , K. (1989) "*Functions of Window and Fenestration Design in a hot Climate*", Proc. of ISES Solar World Congress, Kobe, Japan. Pergamon Press, New York. 4-8 September 1989, pp 1574 – 1578.

FUNDED RESEARCH ACTIVITY

- 1995 - 2006 PI and Co-Pi, National and International Funded Research Projects; Initiated and directed numerous outreach programs to include international joint ventures such as: multi-disciplinary teams and programs, financial management, planning of educational and research programs; (Selected list)
- PI- "Traditional Water Techniques: Cultural Heritage for Sustainable Future" (SHADUF), International Research Program funded by the European Commission (EC) 2004 – 2007. (PI - Algerian team).
 - PI - "Environmental Quality of Work Spaces" funded by the Algerian Ministry of Higher Education and Scientific Research. 2004 – 2006
 - PI - "Cross-cultural evaluation on the impact of access to windows on visual comfort", funded by the J. William Fulbright foundation Award and the U.S. Department of States 2001– 2002.
 - Co-PI "The use of remote detection systems in the analysis of the suburban growth of the city of Oran " funded by the French and Algerian Cooperation Fund (CMEP), 1996-1999.

TEACHING ACTIVITY

- 2011- Present **Professor, Architectural Engineering Department**
College of Engineering, United Arab Emirates University, UAE.
• Teaching undergraduate and graduate courses: Upper level Integrated Design Studio, (BS), Lighting and Acoustics (BS), Graduation Projects (BS), Fenestration Design and Analysis (Master), Selected Architectural Engineering Topic (Master), Thesis and Non-Thesis Advisor –on going.
- 2001-2002 **Visiting Research Professor, Arizona State University Graduate College**
Herberger Institute for Design and the Arts, Arizona State University, USA.
- 1991 - 2005 Invited lecturer, Built Environment- Energy Performance and Climate Responsive Architecture
Professor (2003 - 2005) / **Associate Professor** (1997 - 2003) / **Assistant Professor** (1991-1997)
University of Science and Technology of Oran, University of Biskra and Bechar, Algeria
• Taught a number of undergraduate and graduate: Architectural design studios (introductory, intermediate and advanced), Architectural illumination and daylighting, Environmental control, Graduation projects: Advisor of over 15 architectural Graduation Projects.
• Graduate courses: Bioclimatic architecture, Daylighting, Vernacular architecture, Design in hot and arid zones, Green building, Research methods and design, Climatic Urban Design and sustainable development.
- 1989 - 1991 **Instructor- Assistant Researcher**, School of Architecture, Sheffield University, UK.
Daylighting and thermal efficiency in buildings.
- 1994 - Present **Graduate Advisor**; Served as Advisor of 15 Masters and 3 PhD's awarded, and a number of Masters and PhD's in Progress. (1994 - Present).
-

EDUCATION

- Doctor of Philosophy**, Building Science
School of Architecture, Sheffield University, UK, 1991
Bachelor of Science – Architecture, summa cum laude
University of Science and Technology of Oran, Algeria, 1981- 1986.

INTERNATIONAL TRAINING / CONTINUING EDUCATION

- Advanced International Training Program on "*Architecture, Energy and Environment; Tools for Climatic Design*", 13 Sept- 22 Oct, 1999, Lund University, Sweden.
- International Research Workshop on "*The Use of Remote Detection Systems in the Analysis of Urban Growth*" Department of Geography, University of Franche-Comté, 1-30 April, 1998, Besançon. France.

PROFESSIONAL CERTIFICATION / ACCREDITATION

- LEED A.P. - Leadership in Energy and Environmental Design Accredited Professional certified by the U.S. Green Building Council (USGBC), USA.
- Green Advantage Certification for Commercial Practitioners, 2008, USA.

PROFESSIONAL & SCIENTIFIC AFFILIATIONS

- USGBC and Nevada Chapter Member
- Scientific and Technical Research Center on Arid Zones; www.crstra.dz
- Center of Renewable Energies Development; www.cder.edu.dz/
- Fullbright Association
- American Translators Association

AWARDS

- Research Award, J. William Fulbright Foundation and the U.S. Department of State, Arizona State University, USA.
- Full Graduate Scholarship, Algerian Ministry of Higher Education, United Kingdom (1986 - 1991).