



CURRICULUM VITAE

1 Personal Data

Name: Zemmouri **First name:** Nouredine **Title:** Dr.

Date of birth: April 22nd 1960 **City:** Oued Taga **Country:** Algeria

Marital status: Married **Number of children:** Three

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2 Universities and schools attended and degrees received

First University Degree: (Architect)

Name of degree: *State Degree in Architecture* **Date degree awarded:** 1984

School (Department): Institute of Architecture Urban Design and Construction

Name and location of University: University of Constantine (Algeria)

Specialisation: *Architecture*

Second University Degree: (Master of philosophy)

Name of degree: *Mphil in Building Engineering* **Date degree awarded:** 1987

School (or Faculty): School of Architecture and Building Engineering

Name and location of University: University of Bath (United Kingdom)

Specialisation: *Building Engineering*

Third University Degree: (State Doctorate)

Name of degree: *State doctorate* **Date degree awarded:** 2005

School (or Faculty): Department of Architecture Faculty of Engineering

Name and location of University: University of Setif (Algeria)

Specialisation: *Architecture*

3 Other certificates obtained and advanced courses attended

Certificate in English courses: Colchester English study center (England) June 1985

Join Matriculation Board (J.M.B.) :Colchester English study center (England) June 1985

Teaching Architecture courses: University of Bath (England) 1986

Computer Aided design courses: University of Bath (England) 1986

Photogrammetry and architecture: Jena (Germany) 1996

Strategies for Developing Effective Presentation Skills: American Management Association Los Angeles (USA) December 2002

4 Language Proficiency

Language	Reading	Writing	Conversation
Arabic	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>
English	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>
French	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>

5 Employment history

Institution Location	Period		Job Title (Academic Rank)	Nature of work	Type of work
<i>University of Biskra(Algeria)</i>	1988	1992	<i>Lecturer</i>	Teaching	Full Time
<i>University of Biskra(Algeria)</i>	1992	2001	<i>Assistant Professor</i>	Teaching and Research	Full Time
<i>University of Biskra(Algeria)</i>	1990	1992	<i>Associate Dean</i>	Administration	Full Time
<i>University of Biskra(Algeria)</i>	1994	1996	<i>President of the scientific Board</i>	Teaching	Full Time
<i>Design and Architecture inc</i>	1994	1997	<i>Architect</i>	Design	Part Time
<i>University of Biskra(Algeria)</i>	1996	1999	<i>Research Assistant</i>	Research	Part Time
<i>University of Biskra(Algeria)</i>	2001	2004	<i>Micro-Light Project Group Leader</i>	Research	Part Time
<i>University of Laghouat (Algeria)</i>	2000	2001	<i>Research Consultant</i>	Research	Part Time
<i>University of Southern California (USA)</i>	2002	2004	<i>Visiting Professor</i>	Teaching Research	Full Time
<i>Centre Recherche Régions Arides (CRSTRA)</i>	2005	2008	<i>Data-Light Group Leader</i>	Research	Part Time
<i>University of Biskra(Algeria)</i>	2005	2006	<i>Associate Professor</i>	Teaching	Full Time
<i>University of Biskra (Algeria)</i>	2006	2009	<i>Head of Department</i>	Administration	Full Time

6 Major communications or publications

Daylight availability under specific sky conditions.

Cisbat 99 EPLf Lausanne Switzerland September 1999.

Simulation et optimisation des systèmes d'éclairage naturel (in French).

Journées nationales sur les systèmes thermiques appliqués USTHB Algiers (Algeria) May 1999.

Simulation d'architecture en synthèse d'image (in French).

Journées Technologiques de Ouargla (Algeria) November 1999.

Les espaces verts et la pollution visuelle (in French).

Urbanisme à Bejaia traces et perspectives. Bejaia (Algeria). October 1999

La perception de l'environnement urbain effet sur le comportement humain (in Arabic).

Séminaire International d'Urbanisme Msila (Algeria). December 1999.

L'environnement urbain entre planification et réalité (in Arabic).

Séminaire International d'Architecture. Biskra (Algeria) December 1999.

Islam, politics and the urban built environment transformation in Algeria

First Mediterranean Social and Political Research Meeting, Florence (Italy), 22-26 March 2000

The Islamic urban environment: between transformation and Imitation

International conference Megacities 2000, Hong Kong 08-10 February 2000

Windows design for energy conservation in hot arid zones

International Solar Energy Conference Sharjah, UAE, 19-22 February 2001

Specific architectural design: the energy option

International Solar Energy Conference Sharjah, UAE, 19-22 February 2001

Fuzzy logic for interior Daylight optimization.

Second Symposium on Scientific Research and Technology Development in the Arab World. Sharjah, UAE March 2002

Effects of sun controls on buildings interior lighting and thermal environment in hot arid regions.

Second Symposium on Scientific Research and Technology Development in the Arab World Sharjah, UAE March 2002.

Effects of sun controls on buildings interior lighting and thermal environment in hot arid regions, UNESCO Programme Solaire Mondial, Revue des Energies Renouvelables, Volume 7, Numéro 1, pp.45-52, June 2004. CDER.

Micro-Light: Simulation et optimisation des systèmes d'éclairage naturel dans le bâtiment
Final report of the research projet n° 0701/01/2002. December 2004.

www.arch.potofolio.edu: A virtual Student Portfolio
Séminaire National sur Les Nouvelles technologies de communications. Oran , January 2005.

MatLight Version 1.0: Software Presentation
Cisbat 2005 EPLf Lausanne Switzerland.

MatLight Version 1.0: A tool for Interior Daylight Estimation under Matlab
PLEA 2005 Beirut Lebanon November 2005.

Application of Fuzzy Logic in Interior Daylight Estimation, UNESCO Programme Solaire Mondial, Revue des Energies Renouvelables, Volume 8, Numéro 1, pp.55-62, June 2005. CDER.

Virtual Design Studio: new ways of practicing architecture and teaching design in collaboration.
XXII UIA World Congress of Architecture UIA 2005 Istanbul Turkey 2005.

Modeling energy efficient windows in hot arid zones.
The 2005 World Sustainable Building Conference Tokyo Japan 2005.

Application of Fuzzy Logic in Interior Daylight Estimation, UNESCO Programme Solaire Mondial, Revue des Energies Renouvelables, Volume 8, Numéro 1, pp.55-62, Juin 2004. CDER.

E-learning in Architecture education:Challenges, strategies and approaches.
4th Scientific Research Outlook in the Arab word. Damascus December 2006.

Cognitive computing in Architecture for daylighting optimization.
First Conference on Sources of Architectural Forms: Theory and Practice. Kuwait University Kuwait March 2007.

Local Climatic Data Capture Using the NASA SSE Program, Journal of the Association of Arab Universities for Basic and Applied Sciences, Volume 4, pp.202-207, August 2007.

Urban built environment perception: effects on human behaviour (in Arabic).
Biskra international conference on Architecture and sustainability Biskra (Algeria) April 2008.

Cyberspace, education, equity and architecture
5th Scientific Research Outlook in the Arab word Fez Morocco October 2008.

Human behaviour assessment in religious spaces: Case study of Mozabite Mosques.
5th Scientific Research Outlook in the Arab word Fez Morocco October 2008.

7 Supervision of main theses and dissertations

Title of Thesis or Dissertation	Degree Granted	University Conferring Degree	Date
Daylight Optimization using intelligent glass	Doctorate of Sciences	University of Biskra (Algeria)	2008
development of design tools to improve design decisions in a hot climate	Doctorate of Sciences	University of Biskra (Algeria)	2006
Optimization in Architectural Design and strategies: Case Study of Algeria	Doctorate of Sciences	University of Biskra (Algeria)	2005
Daylight Strategies and urban forms	Doctorate of Science	University of Sétif (Algeria)	2005
An analysis of the daylight factor method for daylight evaluation in hot arid regions	Master in Building Sciences	University of Biskra (Algeria)	2008
Sustainable approach for integrating P.V. modules in buildings	Master in Building Sciences	University of Biskra (Algeria)	2008
Daylight environment assessment in religious spaces	Master in Architecture	University of Biskra (Algeria)	2005
Estimating daylight in urban streets. Case study of Biskra	Master in Architecture	University of Biskra (Algeria)	2006
Public buildings from urban process to urban form	Master in Architecture	University of Biskra (Algeria)	2006
Expressing art through Architectural Deconstructivism	State degree in architecture	University of Biskra (Algeria)	2005
Technology, culture, information: the trilogy	State degree in architecture	University of Biskra (Algeria)	2004
Daylighting modeling in office buildings	Mastre in Building Sciences	University of Southern California (USA)	2003
Deconstructivism as a mean of animation in Architecture	State degree in architecture	University of Biskra (Algeria)	2002
Regionalism as a theme in Architecture	State degree in architecture	University of Biskra (Algeria)	2001
Rediscovering nature through technology	State degree in architecture	University of Biskra (Algeria)	2000
Regionalism the end point	State degree in architecture	University of Biskra (Algeria)	2000
Green technology	State degree in architecture	University of Biskra (Algeria)	1999
Environmental design in airports	State degree in architecture	University of Biskra (Algeria)	1999
The children space, Case study of an elementary school	State degree in architecture	University of Biskra (Algeria)	1998
High tech. An alternative for office buildings	State degree in architecture	University of Biskra (Algeria)	1997
Natural lighting, the other dimension. Housing in hot arid regions.	State degree in architecture	University of Biskra (Algeria)	1992

8 Extracurricular activities and accomplishments

a) Software development

Program '*Nour*' : evaluation of interior illuminances under different sky conditions.

Using Microsoft Fortran.

Program '*Chemss*' : evaluation of irradiances on horizontal and vertical surfaces with different orientations and under different sky conditions. Using Microsoft Fortran.

Program '*lib*' : Library document search using Dbase III+

Program '*Adlist*' : Personnel affairs archive under Microsoft Access

Program '*Mat-Light*' : Interior Daylight evaluation under Matlab

Program '*Fuzzy-Light*' : Daylighting evaluation using Fuzzy sets under Matlab

b) Membership of professional organizations

The Society of Building Science Educators (SBSE): Member

Arab Society for Computer Aided Architectural Design (ASCAAD): Member

Soft Computing in Image Processing (SCIP Group): Member

Fulbright Scholar Program: Grantee

Aga Khan Award for Architecture: Nominator

Société Algérienne de l'énergie solaire : Member

Commission internationale de l'éclairage (CIE) : Member

Arab Science and Technology Foundation (ASTF): Member

World Federation on Soft Computing(WFSC) : Member

c) Contributions and community services

Contributor in a design of a Mosque in Swindon (UK)

Contributor in a design competition for an elementary school in Batna (Algeria)

Contributor in a design competition for a new town of Batna (Algeria)

Workshop supervisor for the "office de la promotion et de la gestion immobiliere (OPGI)"
Batna (Algeria)

Member of jury in two design competition for the account of "direction de l'urbanisme de la
Construction et de l'Habitat (DUCH)" Biskra (Algeria)

Legal Expert in Architecture since 1999

d) Honors

Scholarship granted by the *US State Department (Fulbright Scholar Program)* to follow six months of additional graduate research studies and engage in professional activities in the *USA (2002-2003)*.

Scholarship granted by the *European Commission Tempus III Program (2006)*, for outstanding performance and to follow a one month research program on Cyber Education at the **Catholic University of Louvain la Neuve (UCL) Belgium**.

Mobility Scholarship granted by the *Nato Science Program (2007)*, for participation at the Advanced Research Workshop (ARW) on Enhancing Security in the Middle East through Regional Cooperation on Renewable Energy, London U.K. January 2008.

Scholarship granted by the *the Academy of Sciences for the developing world TWAS (2008)*, for participation at the Advanced Training Course on Capacity Building in Environment-related Issues, Cagliari, Italy December 2008.

9 Other experience

Computer aided design: Autocad, Archicad, Surfer, Radiance, Adeline

Software Development: Visual Fortran, Matlab

Photogrametry and Architecture: Geographic Information Systems (GIS)

Virtual reality and architecture: Lighscape, 3d Studio.

Web Site Construction: Macromedia Fireworks, Dreamweaver and Flash **CFD**

Simulations: Fluent, Airpack

10 References

Name	Position	Present address	Phone	Fax & e-mail
<i>Professor Andre De Herde</i>	Dean of Engineering	Faculty of applied sciences Université Catholique de Louvain Belgium	+32 10 47 26 64	+32 10 47 24 66 <i>e-mail:</i> doyen@fsa.ucl.ac.be
<i>Professor Douglas Noble</i>	Professor	USC, School of Architecture Watt Hall 204 Los Angeles CA 90089-0291 USA	+1 (213) 740 2723	+1 213 740 8884 <i>e-mail:</i> dnoble@usc.edu
<i>Professor Marc E. Schiler</i>	Professor	USC, School of Architecture Watt Hall 204 Los Angeles CA 90089-0291 USA	+1 213 740 2723	+1 213 740 8884 <i>e-mail:</i> marcs@usc.edu