



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s) **Shadi Maraqa**

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Nationality Palestinian, Jordanian

Date of birth 25/06/1983

Gender Male

### Occupational field **Lecturer – Education**

#### Work experience

Dates Sep. 2012 - Current

Occupation or position held Lecturer

Main activities and responsibilities Lecturer at Architectural Engineering Department

Name and address of employer Palestine polytechnic university PPU, Hebron – West Bank

Type of business or sector Education

Dates Sep. 2019- Expected 2023

Occupation or position held PhD Candidate & Lecturer (PPU University)

Main activities and responsibilities Researcher and PhD candidate

Name and address of employer Carthage University – National School of Architectural Engineering and Urban Planning, Tunis

Type of business or sector Education

Dates Feb. 2010 – Jun. 2011

Occupation or position held Teacher assistant

Main activities and responsibilities Architectural Design Studios, Buildings physics lab.

Name and address of employer Jordan University of Science and technology

Type of business or sector Education

Dates Aug. 2011 – Aug 2012

Occupation or position held Architect

Main activities and responsibilities Design and Review

Name and address of employer Arab Engineers Institute Consulting Office

Type of business or sector Engineering

Dates Jan 2009 – Dec. 2009

Occupation or position held Site Manager and Technical Engineer

Main activities and responsibilities	1. Site Manager of Al-Hashemia School Project 2. Scheduling and Technical Engineer for (Aqaba Schools Construction & Rehabilitation Program (13 Renovation Schools & 3 New Schools) a. Updating schedule by Primavera & Expedition Requests control b. Shop-drawing check and control c. Finishing Schedules check and control d. Materials Approval
Name and address of employer	Sorensen Gross Construction Co. (Michigan, USA)
Type of business or sector	Construction
Dates	Jun. 2007 – Jan. 2009
Occupation or position held	Studies Engineer at New Aqaba Military Hospital
Main activities and responsibilities	a. Bar Bending Schedule Preparation b. Shop drawing Preparation c. Finishing Schedules Preparations
Name and address of employer	JV Al-Fadel & TRAMEC
Type of business or sector	Construction

## Education and training

Dates	2019 - Expected 2023
Title of qualification awarded	Doctorat en Architectural Engineering and Urban Planning
Principal subjects/occupational skills covered	Spatial Identity, Cultural Heritage, Urban Development, Historical Cities, Civilization and Architecture, Invasion influence on Urban Fabric
Name and type of organisation providing education and training	Carthage University – National School of Architectural Engineering and Urban Planning, Tunis
Level in national or international classification	PhD in architecture and Urban Planning
Dates	Aug 2011
Title of qualification awarded	Master in Architecture and design
Principal subjects/occupational skills covered	Architectural design, Building physics, Sustainable architecture
Name and type of organisation providing education and training	Jordan University of Science and Technology
Level in national or international classification	Master in Architectural Engineering
Dates	May 2007
Title of qualification awarded	Bachelor in Architectural Engineering
Principal subjects/occupational skills covered	Architecture
Name and type of organisation providing education and training	Cairo University
Level in national or international classification	B.A. Degree in architectural Engineering

## Personal skills & competences

Mother tongue(s) **Arabic**

Other language(s) **English**

Self-assessment <i>European level</i> (*)	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
<b>English</b>	A1	A1	A1	A1	A1

(\*) *Common European Framework of Reference for Languages*

Social skills and competences None

Organisational skills and competences Contact specialized research centres and professional firms related to research projects such as:

1. Philippe Dulière Architecture D+Partners et Musée de l'Hôpital: Technical assistance and consultation concerning Hopital Notre Dame a la Rose "Historical prototype of a Belgian hospital"
2. BAEV Architectural Bureau: Technical assistance and consultation concerning Picardy Wallonia Medical Center "Typical modern prototype of patient ward in Belgium"
3. CENAERO – Simulation technologies for Aeronautics: Training and Technical assistance concerning External and Internal CFD simulation.
4. Laboratoire des Sciences de l'Ingénieur pour l'Environnement, Université de La Rochelle : Scientific and technical consultation concerning field measurement and CFD validation.

Technical skills and competences

5. FINISHING Professional Certificate - Upgrading Professional Practice Program for Architects & Engineers program, Cairo University, (Jun. – Dec. 2006), Cairo - Egypt
6. Project planner using Primavera (Resources, Cost Entry, Submittals and project control), (Mar. 2009), Aqaba - Jordan
7. Internal CFD (Modeling, Meshing and Simulation) Using (OPENFOAM), CENAERO, (Feb. – Jun. 2015), Gosselies - Belgium
8. External CFD (Modeling, Meshing and Simulation) Using (OPENFOAM and ANSYS), CENAERO, (Feb. – Jun. 2016), Gosselies - Belgium

Computer skills and competences

1. AutoCAD 2004-2016 (2D Drafting 3D Modelling & Rendering), Architectural department labs, Cairo University, (Jul. – Aug. 2004), Cairo -Egypt
2. MS Office (Word, Excel, PowerPoint)
3. Adobe Photoshop
4. Introduction to ArcGIS I (ArcGIS overview, Spatial data concepts, ArcGIS data model, GIS software), Good Shepherd Engineering & Computing Co., (Jun. – Jul. 2005), Bethlehem – Palestine.
5. Mastering 3DS MAX R7 (Animation, Modelling, Lighting, Rendering & Cameras, Reactors & Effects, Design Visualization, Character Design & animation), (Autodesk training Certificate YAT Education, (Jun. – Sep. 2006), Cairo – Egypt.
6. Comprehensive Training in Archicad 10, (Graphisoft training Certificate, TRACO), (Sep. 2006), Cairo - Egypt
7. Primavera Project Planner (Recourses, Cost Entry, & introduction to P5), Jordan Engineers Association, (Mar. 2008), Aqaba - Jordan
8. Contract Manager (Expedition) (Control Submittals, Materials, Official Letters, Contacts), Sorensen Gross Construction Co., (Sep. 2009), Amman – Jordan.
9. Primavera Project Planner (Project Management through Primavera Project Planner), Jordan Engineers Association, (Mar. 2009), Aqaba – Jordan.
10. External CFD Simulation using (Blender, OPENFOAM, PARAVIEW), CENAERO, (Feb. - Jun., 2015), Gosselies – Belgium
11. Internal CFD Simulation using (Solidworks, ANSYS, OPENFOAM, PARAVIEW), CENAERO, (Feb. - Jun., 2015), Gosselies – Belgium

Artistic skills and competences Freehand Sketches, aquarelle architectural presentation.

Other skills and competences Computer programming using C++ for OPENFOAM CFD and thermal simulation

Driving licence Yes

- Conferences**
1. Building Green Schools in the occupied Palestinian territory, Ramallah – West Bank (July- 2013)
  2. International Conference of Renewable Energy, Jordan University of Science and Technology, Irbid – Jordan (January - 2010)
  3. International Sustainable Built Environment Conference (ISBEC), Doha – Qatar (28-30 February, 2014)
  4. Quality methods for measuring ventilation and air infiltration in buildings, AIVC, Brussels - Belgium (18-19 Mar. 2014)
  5. 7th International Conference on Thermal Engineering: Theory and Applications, Marrakesh -Morocco (6-8 May, 2014)
  6. Rencontres à la croisee de l'architecture et des sciences humaines, SASHA2014, (26-27 May, 2014) Brussels – Belgium.
  7. Towards improved compliance and quality of the works for better performing buildings. QUALICHECK, (1 Oct. 2014), Brussels – Belgium.
  8. LOCI Research Day - University catholique de Louvain, (23 Jan. 2015) Brussels – Belgium.
  9. Urban physics winter school - UP2015, (25-30 Jan 2015), Ascona – Switzerland.
  10. Innovative Technology in Ventilation Systems, ATIC, (19 Jan. 2015), Brussels – Belgium.
  11. Ninth International Conference on Thermal Engineering: Theory and Application (ICTEA2016), (24-26 Mar. 2016) Abu Dhabi – UAE.
  12. Third QUALICHECK Conference, AIVC, (20 May 2016), Brussels – Belgium.
  13. 12<sup>th</sup> REHVA World Congress, (CLIMA2016), Aalborg – Denmark.

- Workshops**
1. Audit life chauffage, un batiment passif accessible pour tous, ICEDD, (20 Feb. 2014), Namur - Belgium
  2. Engineering equation solver : un programme de calcul pour tout le monde dans le monde de l'HVAC, EES Workshop (ATIC), (15 Mar. 2014), Leuven – Belgium
  3. Quality methods for measuring ventilation and air infiltration in buildings, AIVC, (18-19 Mar. 2014), Brussels – Belgium
  4. Visite de l'hotel de police de Charleroi, (ICEDD), (28 Mar. 2014), Charleroi – Belgium.
  5. Un batiment passif accessible pour tous, (ICEDD), (2 Apr. 2014), LLN - Belgium
  6. Urban physics winter school - UP2015, (25-30 Jan 2015), Ascona – Switzerland

- Papers**
1. Ventilation assessment in multiple bed wards, International sustainable built environment conference ISBEC2014, Doha – Qatar, Poster presentation, ELSIVEIR awards “Elsevier Best Poster presentation”
  2. Mechanical HVAC energy consumption assessment in patient wards, International sustainable built environment conference ISBEC2014, Doha – Qatar, Poster presentation
  3. Thermal and Ventilation performance assessment in traditional Islamic hospitals, international conference for thermal engineering ICTEA2014, Marrakesh – Morocco, oral presentation, Paper ID143
  4. Natural ventilation feasibility in typical patient wards in a Belgian hospital during summer, international conference for thermal engineering ICTEA2016, Abu Dhabi – UAE, oral presentation, PaperID15
  5. Enhancing natural ventilation in patients' wards in a Belgian hospital, 12th REHVA World Congress CLIMA2016, Aalborg – Denmark. Oral Presentation and extended published paper “Journal of civil engineering and architecture, USA”