# PERSONAL INFORMATION     Majd ALSHAWA

✉ Dr.eng,alshawa@gmail.com

Sex M |     Date of birth 14/06/1979        |
Nationality Syrian

# APPLIED FOR     Professor of GIS/ topography

# WORK EXPERIENCE

- Director of Technical Institute for Engineering - Damascus University 2022.-2024

- Head of topography department – faculty of civil engineering - Damascus University 2019.-2021

- Associated prof at Damascus University – faculty of civil engineering – topography department - GIS – GNSS lecturer for professional master in GIS & Geodesy course for undergraduate students.

- Lecturer of Geographic information system / computer application for engineers/ topographic application for civil engineers courses for civil engineering students – Yarmouk privet university

- Expert in spatial analysis - Regional Planning Commission - Damascus -Syria

- Trainer of GIS for real estate's appraisers – Real Estate Finance Oversight Commission - Syria

- Consultant in Geographic Information System -ESRI Syria – GIS provider in Syria

- Expert in real -estate mass appraisal using GIS

- Training of GIS at Syrian Arab Red Crescent - several courses

# EDUCATION AND TRAINING

- Phd degree / Doctorat en topographie - Université de Strasbourg1 - France

- Master of   Town Planning/ Design global – modeling and simulating built spaces - Ecole nationale supérieure d'Architecture de Nancy - France

- Civil Engineering (department of topography) Diploma, Damascus University

# PERSONAL SKILLS

- Supervising several GIS projects in Damascus municipality - supervising the project of automating the Syrian cadastral by means of GIS.
- Project of urban planning of ALBASSA - city - ministry of tourism
- Project of urban re -planning of Jobar -Quabon after war - Higher institute of regional planning.
- GIS expert in the project of National Framework Of Regional Planning    -Regional Planning Commission
- Member of governmental committee of real-estate appraisal legalisation
- GIS expert in the project of building spatial GeoDatabase for south region in Syria
- Monitoring of Random Hostels in Syria using GIS& Remote sensing - -Regional Planning Commission
- Monitoring & rehabilitation of Doma Tower Hospital's after -war damage using Drone& land surveys Photogrammetry -    Building Rank - Syria
- Monitoring &Evaluation of Saroja old houses restoration using laser scanners.
- Advanced knowledge of GIS software (e.g., ArcGIS, QGIS).
- Geospatial analysis, data visualization, and mapping techniques.
- Experience working in projects relevant to Syria, including local data integration.
- Chef Surveyor in Damascus airport rehabilitation project

# Professional   Experience

- Developed and maintained geospatial components for enterprise-level applications.
- Integrated GIS functions with spatial and relational databases, ensuring optimized performance.
- Designed, implemented, and documented spatial data models for efficient data retrieval.
- Provided technical guidance and troubleshooting for GIS-related issues.
- Delivered GIS applications tailored for projects in Syria, addressing region-specific challenges.
- Collaborated with cross-functional teams to integrate spatial data into applications.
- Conducted data analysis and geoprocessing using tools like ArcGIS, QGIS, and PostGIS.
- Implemented geospatial data visualization solutions for stakeholders.
- Maintained up-to-date knowledge of GIS technologies and frameworks.
- Trainer of post-disaster GIS use for Red Crescent employee

# Mother tongue(s)

Arabic

# Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---|---|---|---|---|---|
| | Listening | Reading | Spoken interaction | Spoken production | |
| French | Very good | Very good | Very good | Very good | Very good |
| English | Good | Good | Good | Good | Good |

## Communication skills

- good communication skills gained through my experience as support technique engineer
- management skill acquis through my work as director of technical institute of engineering – Damascus university.

## Organisational / managerial skills

- pedagogic skills    (currently lecturer – faculty of civil engineering)
- vice- precedent of surveying permanent committee - Engineers Syndicate
- GIS's trainer for Syrian Arab red croissant volunteers.
- Supervisor of 10 master's & 2 doctorate's thesis.

## Job-related skills

- using all surveying instruments (total station – GPS receivers-   data collectors.- laser scanners – drones – backpack laser SLAM. etc)

## Computer skills

- good command of ArcGIS 10.8 - ERDAS Imagine - LPS– Photo Modeler Scanner – AutoCAD – STAR*NET - Leica Geo Office – pix4d   – cloud compare -   MatLab – MLS 360 Lidar and Microsoft Office™ tools.

## ADDITIONAL INFORMATION

## Reviewed publications

- A Low Cost TLS Based Land Mobile Mapping System Assisted By Photogrammetry ISSN. 1982-2170 Oct-2009

- L'aspect Mobile D'un Scanner Laser Terrestre ISSN 1768-9791 Sep-2009

## Conference papers

- ICL: Iterative Closest Line A Novel Point Cloud Registration Algorithm Based On Linear Features *ISPRS* 2nd summer school in Ljubljana, Jul 2007, Slovenia. pp.1-6

- Integration of a Terrestrial Lidar on a Mobile Mapping Platform: First Experiences International Symposium, May 2007, Padua, Italy. pp.1-6

- Acquisition And Automatic Extraction Of Facade Elements On Large Sites From A Low Cost - Laser Mobile Mapping System. ISPRS Archives – Volume XXXVIII-5/W1, 2009

## Thesis

▪ Contribution à la cartographie mobile : développement et caractérisation d'un système basé sur un scanner laser terrestre - Thèse de doctorat: Université de Strasbourg Jan-2010

▪ Consolidation des Nuages De Points En Lasergrammetrie Terrestre. Memoire de master: École Nationale Supérieure d'Architecture de Nancy – Oct 2006.

## Reviewed publications (in arabic)

3D modeling of archaeological pieces using photogrammetry-Damascus university journal of Engneering 2015

Automated Real – Estate Mass Appraisal Using GIS -Damascus university journal of Engneering 2018

Rubble volume's estimate in urban damaged areas based on photogrammetry by drones - Damascus university journal of Engneering sciences 2020.

## Books

Geodesy for civil engineers – Damascus University 2016