

CV



Ahmad Mahphood

Doctor of Philosophy. Researcher at Tishreen University

Father name: Wafeek Mother name: Moona
Date of birth: 11/11/1986 Country: Syria
Sex: Male

Qualifications:

	From	To	University	Average (%)	Rating	Faculty	Department	Country - City
High school Certificate	2003	2004	-	93.33	Excellent	-	-	Syria-Latakia
B.Sc.	2004	2009	Tishreen	83.08	Excellent	Civil Engineering	Topographic Engineering	Syria-Latakia
M.Sc.	2013	2015	Tehran	90.35	Excellent	School of Surveying and Geospatial Engineering	Photogrammetry	Iran-Tehran
PhD	2015	2023	Tehran	Excellent	Excellent	School of Surveying and Geospatial Engineering	Photogrammetry	Iran-Tehran

Affiliations:

Faculty of Surveying and Geomatic Engineering, Tishreen University, Latakia, Syria.

Languages:

Arabic	Native language
Persian	Excellent
English	Very good (writing and reading)

Skills:

Matlab Autodesk Land (survey section) ArcGIS Surfer Endnote AutoCAD (2D)
Microsoft Office (Word, Excel, PowerPoint, Access)

Experiences:

Assistant instructor: I taught at Tishreen University for 3 years (2010-2012).

Scientific researcher: I have published research papers in peer-reviewed and high qualified journals.

Scientific reviewer: I have reviewed research papers in peer-reviewed and high qualified journals.

Institutions and organizations:

Name:	From	To	As:
Tishreen University:	2010	Present	Instructor and researcher
Tehran University:	2013	2023	Student and researcher (M.Sc. & Ph.D.)
Syrian Teachers Syndicate:	2010	Present	Instructor
Syrian Engineers Syndicate:	2009	Present	Topographic Engineer

Awards and honors:

1. **Bessel Al Assad award for honors and distinct student (2004-2005):** Ranked third among all class students for the first year, Tishreen University, Latakia, Syria.
2. **Bessel Al Assad award for honors and distinct student (2007-2008):** Ranked first among all class students for the fourth year, Tishreen University, Latakia, Syria.
3. **Bessel Al Assad award for honors and distinct student (2008-2009):** Ranked first among all class students for the fifth year, Tishreen University, Latakia, Syria.

4. **Bessel Al Assad award for honors and distinct student (2004-2009):** Ranked first among B.Sc. graduate students, Tishreen University, Latakia, Syria.
5. **Scholarship (2012):** A scholarship for both master and Ph.D. at Tehran University, Tehran, Iran.
6. **College of Engineering award for honors and distinct student (2013-2015):** Ranked first among M.Sc. students, Tehran University, Tehran, Iran.
7. **College of Engineering award for honors and distinct student (2015-2022):** Ranked first among Ph.D. students, Tehran University, Tehran, Iran.
8. An appreciation and award from the **School of Surveying and Geospatial Engineering**, Tehran in 2022, the award including appreciation certificate signed by the Head of the faculty for the academic excellence at the University of Tehran at the Ph.D. level.
9. An appreciation and award from the **Syrian Embassy and national union of Syrian students** (Iran branch) in Iran, Tehran in March 2021, in the Arabic language, the award including appreciation certificate signed by the Syrian Ambassador and the Union president for the academic excellence at the University of Tehran at the master's level.
10. An appreciation and award from the **Syrian Embassy and national union of Syrian students** (Iran branch) in Iran, Tehran in 2022, in the Arabic language, the award including appreciation certificate signed by the Syrian Ambassador and the Union president for the academic excellence at the University of Tehran at the Ph.D. level.
11. **Best paper award** from 7th ISPRS International Geospatial Conference 2022.
12. **Certificate of reviewing:** Awarded by the ISPRS Journal of Photogrammetry and Remote Sensing for my contribution in the peer-reviewing.
13. **Excellent reviewer:** Awarded by [Publons \(2021\)](#).

Scientific sites:

[Google scholar](#)

[Researchgate](#)

[Publons](#)

[LinkedIn](#)

[ORCID](#)

Publications:

Peer-reviewed journals (3):

- 1- Mahphood, Ahmad, and Hossein Arefi. "Tornado method for ground point filtering from LiDAR point clouds." Advances in Space Research 66.7 (2020): 1571-1592.

- 2- Mahphood, Ahmad, and Hossein Arefi. "Virtual first and last pulse method for building detection from dense LiDAR point clouds." International Journal of Remote Sensing 41.3 (2020): 1067-1092.
- 3- Mahphood, Ahmad, and Hossein Arefi. "Grid-based building outline extraction from ready-made building points." Automation in Construction 139 (2022): 104321.

International conferences (5):

- 1- Mahphood, Ahmad, and H. Arefi. "A DATA-DRIVEN METHOD FOR FLAT ROOF BUILDING RECONSTRUCTION FROM LiDAR POINT CLOUDS." International Archives of the Photogrammetry, Remote Sensing & Spatial Information Sciences 42 (2017).
- 2- Mahphood, A., et al. "DENSE MULTI-VIEW IMAGE MATCHING FOR DSM GENERATION FROM SATELLITE IMAGES." International Archives of the Photogrammetry, Remote Sensing & Spatial Information Sciences (2019).
- 3- Mahphood, A., and H. Arefi. "Improved Tornado Method for Ground Point Filtering from LIDAR Point Clouds." ISPRS Annals of Photogrammetry, Remote Sensing and Spatial Information Sciences 14 (2023): 429-436.
- 4- Mahphood, A., and H. Arefi. "New and Rapid Methods for Gridding of Point Clouds." ISPRS Annals of Photogrammetry, Remote Sensing and Spatial Information Sciences 14 (2023): 437-442.
- 5- Mahphood, A., and H. Arefi. "Density-Based Method for Building Detection from LIDAR Point Cloud." ISPRS Annals of Photogrammetry, Remote Sensing and Spatial Information Sciences 14 (2023): 423-428.

Review Activities:

Journal name	Publisher	Times
ISPRS Journal of Photogrammetry and Remote Sensing.	Elsevier	3
Journal of Spatial Science.	Taylor & Francis	2

My research interests:

- Point cloud processing.
- Building detection from LiDAR point cloud.
- LOD2 Building reconstruction from a point cloud.

Building boundary extraction from a point cloud.

Ground point filtering from a point cloud.

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