

PEYMAN JAVADI



08028, Barcelona, Spain 
+34 61 51 47 860 
peymanjavadi.ir@gmail.com 
www.peymanjavadi.ir 
linkedin.com/in/peyman-javadi 

BRIEF INTRODUCTION

I am highly passionate about combining Geomatics Engineering knowledge with other professional fields. I hold a B.Sc and M.Sc, and candidate for Ph.D in Geomatics Engineering and a B.Sc in Urban Engineering. My research and expertise are in Geodesy, Photogrammetry, GeoMonitoring, Deformation and Displacement Monitoring, TLS, GNSS, Topography Surveying, Building Surveying, Cadastre, Close-Range and Long-Range Photogrammetry, Spherical and Panorama Photogrammetry, PhotoMonitoring, 3D Modeling, Heritage and Rock Art Documentation, Heritage and Rock Art 3D Modeling, Archeology Surveying, Geospatial Analysis, GIS, Urban Developing, Urban Design.

PERSONAL INFORMATION

First Name: Peyman

Surname: Javadi

Sex: Male

Marital Status: Married

Date of Birth: 13 May 1990

Place of Living: Barcelona, Spain

Place of Birth: Ardabil, Iran

EDUCATION

Ph.D | Geomatics Engineering (Geodesy and Photogrammetry)

2020 – EXPECTED COMPLETION: 2025

Universitat Politècnica de València (UPV)

Thesis Title: "Optimization of geodetic and laser scanner solutions for the monitoring of deformations over long distances"

Master | Geomatics Engineering (Geodesy)

2013 – 2015

Islamic Azad University

The most outstanding student in the course.

Thesis Title: "Comparison of recent methods of reference points stability analysis in geodetic monitoring networks"

Bachelor | Geomatics Engineering

2008 – 2012

Islamic Azad University

WORK EXPERIENCE

Geomatics Engineer | Universitat de Barcelona

APR 2022 – APR 2025

Institute of Archaeology of the University of Barcelona (IAUB).

Photogrammetry; 3D modelling; excavation surveying; geospatial analysis; research.

Designer and Supervisor | Iranian Construction Engineering Organization

JUN 2018 – SEP 2024

Licensed professional engineer; design and supervision of civil and building projects; property boundary and dimension surveying; topographic and cross-sectional surveying; construction monitoring and control; building unit subdivision.

Geomatics Engineer | Municipality of Ardabil

APR 2015 – OCT 2021

Employee in the Real Estate, Civil and Urban Planning section.

Prepared topographic and cadastral maps for urban and civil projects, conducted land surveying for urban development plans, implemented street slope grading plans, monitored and controlled construction and infrastructure projects, conducted property boundary surveying and land parceling for municipal records, supported urban planning and GIS-based spatial analysis, and assisted in land use, property subdivision, and building permit processes.

Education Council | Islamic Azad University

MAY 2018 – APR 2020

Member of the Geomatics Education Council at IAU (SAMA) University, Ardabil, Iran.

Surveying Engineer | Freelance

MAY 2015 – APR 2016

Control and Stakeout of structure, Soheil Shopping Mall project, five-story commercial property with a built-up area of 750 m², Ardabil, Iran.

Surveying Engineer | Chinqli Tapeh Moghan Company

FEB 2014 – SEP 2014

Positioning of medium-pressure electric beams for the Ardabil GIS (400 km) project, Ardabil, Iran.

Geomatics Engineer | PeymayeshGaran Company

DEC 2013 – MAR 2021

Surveyor (5 years) , Technical Manager (4 years) – executive projects, Ardabil, Iran.

Surveying Engineer | Omran Asre Sepid Company

JUL 2013 – NOV 2013

Topographical and Cadastral project, Qeshm Island, Iran.

Surveying Engineer | Azar Yol Ev Tik Company

SEP 2012 – MAR 2013

Mineral, Topographical and Volume Calculation Projects for Iranian Mining Engineering Organization, Ardabil, Iran.

Surveying Engineer | Zamin Tasvir Samane Company

APR 2012 – AUG 2012

Topographic Surveying Projects for the Regional Water Organization, Ardabil, Iran.

Surveyor | Gilan Gohar Company

APR 2010 – MAR 2011

Road Construction Project (6 km), Ardabil, Iran.

TEACHING ACTIVITIES

Teaching Code | Islamic Azad University (IAU)

319436404919501

Teaching Code | University of Applied Science and Technology

9310000116256

Lecturer and Head of Geomatics Group | Islamic Azad University (Sama College)

SEP 2015 – SEP 2020

Land Surveying, Geodetic Surveying, Geodesy Fundamental, Satellite Geodesy, Drawing and Calculation workshop, Professional Software, Photogrammetry Fundamental, Technical Language.

Lecturer of Surveying | University of Applied Science and Technology of Ardabil Municipality

SEP 2015 – SEP 2021

Land Surveying, Building Surveying.

Lecturer of Surveying | University of Applied Science and Technology of Hamyari

SEP 2015 – JAN 2018

Land Surveying, Building Surveying.

Lecturer of Geomatics Engineering | University of Applied Science and Technology of Arman Sule

SEP 2013 – JUN 2016

Land Surveying, Geodesy, Satellite Geodesy, Professional Software, Applied Surveying, Automation in Surveying, Computer Application in Surveying, Technical Language.

Lecturer of Geomatics Engineering | Non-Profit University of Danesh Pazhuhan

JAN 2014 – JAN 2015

Applied Surveying, Geodetic Surveying and Network Analysis.

BOOK PUBLICATIONS

Monitoring of MicroGeodesy Networks | 2015

AUTHOR: PEYMAN JAVADI

Publisher: Giva, Tehran, Iran.

Geomatics Key | 2016

AUTHOR: PEYMAN JAVADI, EBRAHIM MOHAMMADPOUR

Publisher: Giva, Tehran, Iran.

JOURNAL PUBLICATIONS

Leveraging GIS and SfM Photogrammetry for Monitoring and Risk Assessment of Rock Art Sites

Digital Applications in Archaeology and Cultural Heritage, 37 (2025) e00413.

Alfredo Sánchez-Hernández, Dídac Román, Peyman Javadi, Inés Domingo

Assessment of Panorama Photogrammetry as a Tool for Long-Range Deformation Monitoring

Sensors, 2024, 24(11), 3298.

Peyman Javadi, Luis García-Asenjo, Raquel Luján, José Luis Lerma

Digital Enhancement and Photogrammetric Recording of La Joquera Levantine Rock Art (Borriol, Castelló)

Virtual Archaeology Review, 2024, 15(30), 110–122.

Inés Domingo, Peyman Javadi, Dídac Roman

The Need to Change the Pattern of Contemporary Urban Development by Recreating Traditional Patterns

Journal of Sustainable Urban and Regional Development Studies, 2022, 3(3), 157-169.

Peyman Javadi, Ali Javan Forouzandeh, Reza Javadi.

Combining GPS and InSAR Data to Improve the Accuracy of Dams Displacement Monitoring

Journal of New Approaches in Civil Engineering, 2020, 4(3), 42-57.

Peyman Javadi, Zahra Ghorbani.

The Effects of Gravity on the Satellites Orbit and Trajectory

Journal of Civil Engineering and Structures, 2019, 3(2), 1-8.

Peyman Javadi.

Analysis of Rainfall Events Using GNSS Observations

Journal of Geographical New Studies, Architecture and Urbanism, 2018, 2(15), 317-335.

Peyman Javadi.

Detecting the Unstable Points in Deformation Monitoring Geodetic Networks in Analysis Method of Subnetwork

Modern Applied Science, 2017, 11(3), 61-75.

Peyman Javadi.

The Analysis of Scientific and Commercial Softwares Accuracy in GPS Observation Processing

Open Journal of Geology, 2017, 7, 267-278.

Morteza Hamidi, Peyman Javadi.

Stability Analysis of Deformation Monitoring Network Points Using Subnetwork Analysis

Geospatial Engineering Journal, 2016, 7(2), 25-38.

Peyman Javadi, Behzad Vosoghi.

CONFERENCE PUBLICATIONS

Documentació d'Art Prehistòric a Través d'Eines Digitals

First Conference on Digital Humanities of the Department of History and Archaeology. 2024. Barcelona, Spain.

Inés Domingo, Dídac Roman, Alfredo Sánchez, Peyman Javadi.

First Experiment of Long-Range Panoramic Images on a High-Precision Geodetic Reference Frame

5th Joint International Symposium on Deformation Monitoring. 2022. Valencia, Spain.

Peyman Javadi, José Luis Lerma, Luis García-Asenjo.

Utilization of Land Information System in Creating a Smart City to Achieve Sustainable Development

8th National Conference on Applied Research in Civil Engineering, Architecture and Urban Management. 2022. Tehran, Iran.

Peyman Javadi, Ali Safarnezhad, Farhad Bagheri.

Quality Assessment of Spherical Panoramic Images

3rd Congress in Geomatics Engineering (CiGEO). 2021. Valencia, Spain.

Peyman Javadi, José Luis Lerma, Luis García-Asenjo, Pascual Garrigues.

Investigation of Forest Seizures and Destruction Using Landsat 8 Satellite Images

5th International Conference on Applied Researches in Science & Engineering. 2020. Amsterdam, Netherland.

Peyman Javadi, Arash TayfeRostami.

Scrutiny of Satellite Sensors Mathematical Models for 3D Positioning

5th International Congress on Civil Engineering, Architecture and Urban Development. 2017. Tehran, Iran.

Peyman Javadi.

Measurement and Monitoring of Structure Deformation with Geodetic Methods

1st National Conference of Geospatial Information Technology. 2016. Tehran, Iran.

Peyman Javadi.

The Necessity of Engineering Ethics in Development of Geomatics Engineering

Geomatics95. 2016. Tehran, Iran.

Peyman Javadi, Ramin Yousefi.

3D Simulation of Ionosphere by GPS Network Data

Geomatics94. 2015. Tehran, Iran.

Peyman Javadi, Yousef Mohammadi.

Using Satellite Observations in Measurement and Analysis of Ardabil City Development

3rd International Congress on Civil Engineering, Architecture and Urban Development. 2015. Tehran, Iran.

Peyman Javadi.

A New Approach to the Efficiency of Surveying in Environment and Landscape Design
5th International Conference of Sustainable Development and Urban Construction. 2015.
Isfahan, Iran.

Peyman Javadi.

Intelligent Urban Traffic Control Using GPS Observations

International Conference on Civil Engineering, Architecture and Urban Infrastructure. 2015.
Tabriz, Iran.

Yousef Mohammadi, Peyman Javadi.

Use Satellite Images and Improve the Accuracy of Hyperspectral Image with the Classification

ISPRS 3rd International Conference on Sensors and Models in Remote Sensing and Photogrammetry. 2015. Kish Island, Iran.

Peyman Javadi.

PROFESSIONAL SKILLS

- **Professional Instruments:**
Leveling instrument – Theodolite - Total Station – GNSS Receiver – Laser Scanner – Professional DSLR and Mirrorless Camera - Drone.
- **Professional Software:**
Civil 3D – AutoCAD – Autodesk Land – ExpertGPS – Leica Geo Office – Global Mapper - Surfer – Panorama Stitcher – Agisoft Metashape – MeshLab – CloudCompare – Arc GIS - Photoshop.
- **Dominate computer hardware and software, installation and commissioning**
- **Teamwork and Communication**
- **Ideation and Problem Solving**

LANGUAGE SKILLS

- English ●●●●●○ (Advanced)
- Spanish ●●●○○○ (Intermediate)
- Persian ●●●●●● (Native)
- Azerbaijani ●●●●●● (Native)
- Turkish ●●●●●○ (Advanced)

CERTIFICATES

How to Create Complete 3D Models of Building Interiors and Exteriors | Sep 2025

3Dsury Global Training Centre

Ice Monitoring | Sep 2025

Issued by WekEO, organized by Copernicus and Mercator Ocean International

Atmosphere Monitoring | Mar 2025

Issued by WekEO, organized by Copernicus and Mercator Ocean International

Forest Monitoring | Oct 2024

Issued by WekEO, organized by Copernicus and Mercator Ocean International

Specialize in BIM and Improve Your Professional Future | May 2024

Universitat Politècnica de València (UPV)

Monitoring Land Use | Feb 2024

Issued by WekEO, organized by Mercator Ocean International

International Action of the Doctoral Program in Geomatic Engineering: Galileo High Accuracy Service, New Perspectives for Real-time Satellite Positioning and Applications | Sep 2023

Universitat Politècnica de València (UPV)

Microwave Satellite Soil Moisture Retrieval | Jun 2021

Faculty of Civil Engineering and Transportation, University of Isfahan, Iran

Investment Analysis for Construction Project | Jun 2021

Faculty of Civil Engineering and Transportation, University of Isfahan, Iran

Improving Reliability for Satellite Navigation | Apr 2021

Faculty of Civil Engineering and Transportation, University of Isfahan, Iran

Outsourcing Plan to Prepare a Map of Real Estate | Nov 2019

State Organization for Registration of Deeds and Properties

Bernese Software | Oct 2018

Apsis Institute

Rules of Flight and Piloting UAV | Nov 2017

Control Radio Committee of Ardabil Motorcycle and Car Racing Board

UAV Technology, Principles of Flight Safety and Air Regulations | Nov 2017

Iranian Aviation and Space Industries Association

Teaching General Skills | Nov 2016

University of Applied Science and Technology

Introduction to InSAR | Oct 2015

Asre Danesh Institute

GPS and GIS | Apr 2015

Issued by Visa Company, organized by the Technical Faculty of Imam Sadeq University of Babol

Satellite Navigation and Satellite Data Processing | Jun 2014

Asre Danesh Institute

AutoCAD and Civil 3D | Aug 2013

Pars Institute

ICDL | Aug 2013

Pars Institute

Preparation of Apartment Property Maps | May 2013

HONORS & AWARDS

Outstanding Teaching Performance

Received Letter of Appreciation from the University of Applied Science and Technology of Ardabil Municipality. May 2018

Developing and Promoting Aeronautical Knowledge and Technology

Awarded Letter of Appreciation from Iranian Aviation and Space Industries Association. Nov 2017

Exemplary Management and Execution of the ParsCamp Township Project

Received Certificate of Appreciation from the ZibaSazane Direne Bana Company. Jul 2017

Land Surveying and Team Management

Received Certificate of Appreciation from the Sambol Sahel Company. May 2015

The Most Outstanding Student and Ranked as a Top Student in Master's Degree

Awarded Certificate of Recognition by the Head of Geomatics Group, Islamic Azad University, Taft, Iran. Jan 2015

Management and Implementation of GIS Plan

Awarded Letter of Appreciation from the Chinqili Tapa Company. Sep 2014

RECOMMENDATION

Prof. Miguel Ángel Cau

The ICREA Research Full Professor and director of the Institute of Archaeology of the University of Barcelona (IAUB), Spain. (macau@ub.edu)

Prof. Jose Luis Lerma

Full Professor at the Department of Cartographic Engineering, Geodesy and Photogrammetry and Director of the Photogrammetry and Laser Scanning Research Group, Universitat Politècnica de València, Spain. (jllerma@cgf.upv.es)

Prof. Luis Garcia-Asenjo

Professor at the Department of Cartographic Engineering, Geodesy and Photogrammetry, Universitat Politècnica de València, Spain. (lugarcia@cgf.upv.es)

MEMBERSHIP

GIFLE _ "GRUPO DE INVESTIGACIÓN EN FOTOGRAMETRÍA Y LÁSER ESCÁNER"

Member of Team · Jan 2020 – Present

Institute of Archaeology of the University of Barcelona (IAUB)

Member of Team · Mar 2022 – Present

LArcHer _ "Levantine Rock Art Archeology Heritage"

Member of Team · Mar 2022 – Feb 2024

Iranian Society of Surveying and Geomatics Engineering (ISSGE)

Member · Apr 2017 - Present

Iranian Society of Surveying Engineers (ISS)

Member · May 2015 - Present

Iranian Construction Engineering Organization (IRCEO)

Member · Nov 2012 - Present

Association of Official Judicial Experts

Official Judicial Expert · Sep 2021 - Dec 2022

Iranian Mining Engineering Organization (IMEO)

Member · Sep 2012 - Oct 2020

Iranian Society of Civil Engineers (ISCE)

Member · Mar 2017 - Mar 2019

Iranian Aerospace Society (IAS)

Member · Feb 2016 - Mar 2019

RESEARCH INTERESTS

GeoMonitoring and PhotoMonitoring for Displacement and Deformation Detection.

GNSS Data Processing to Achieve Higher Precision.

Combine GNSS Observations and InSAR to Detect Deformation.

Close-Range and Long-Range Photogrammetry.

Panoramic and Spherical Photogrammetry.

Historical and Heritage Documentation and 3D Modeling.

Archeology and Rock Art Documentation and 3D Modeling.

Urban Design and Planning.