





PERSONAL INFORMATION

Pouye Yazdi

 **Work:** ETSI Topografía, Geodesia y Cartografía,
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ACTUAL POSITION

Since Sep 2014

Ph.D. Candidate in Geomatics Engineering

Superior Technical School of Engineering in Topography, Geodesy and Cartography.
Technical University of Madrid, Madrid, Spain.

- Statistical Characterization and Modeling for Seismic Sequences in Time and Space Domains.
- Stress Distribution Analysis and Seismic Source Modeling.
- Space-Time Variation of Seismic Hazard due to Clustered Seismic Activities.

WORK EXPERIENCE

Researcher at Technical University of Madrid (UPM), Madrid, Spain Seismic Engineering Research Group (GIIS)

(May 2017 – Dec 2017)

- **Design and development of a web-based user interactive seismic hazard visualizer with application in cities of Lorca and Murcia, Spain.**

Project: Methodology for effective evaluation of the urban seismic-risk MERISUR
Funded by: National Program I+D, Challenges of the Society 2013.

(Sep 2014 – Nov 2014)

- **Time-dependent Hazard Calculation and Seismic Characterization.**

Project: Earthquake Loss Estimation Including Induced Seismicity Cases.
Funded by: MAPFRE, (Insurance Company).

(Nov 2013 – Dec 2013)

- **Hazard Calculation and Seismic Characterization:**

Project: Hazard Map for the City Quetzaltenango, Guatemala.
Hazard Study for the City Jama, Ecuador.

Researcher at International Institute of Seismology and Seismic Engineering (IIIES), Tehran, Iran.

(Sep 2009 – Feb 2011)

- **Database Construction for Seismic Catalogue of the Middle East.**
- **Developing Historical and Instrumental Seismic Catalogue of Iran.**

Project: Earthquake Modelling of the Middle East (EEME).
Funded by: Global Earthquake Modelling (GEM) Association.

RESEARCH STAY

(Jan 2016 – Feb 2016)

National Autonomous University of Mexico (UNAM), Morelia, Mexico.

Geophysics Institute, Morelia Campus.

- **Spatio-Temporal Clustering of Seismic Series in Subduction Zone of Mexico.**
- **Database Refining and Localization of Earthquakes in Coyuca Sequence 2001 (Mexico).**

(Apr 2015 – Jun 2015)

German Geoscience Research Centre (GFZ), Potsdam, Germany.

Section 2.1- Physics of the Earthquakes and Volcanoes.

- **Time-dependent Seismic Swarm Characterization for Torreperogil Sequence 2012 (Spain).**
- **Epidemic Type Aftershock Sequence (ETAS) Modeling.**
- **Seismic Catalogue Simulation.**

EDUCATION

(Sep 2012 – Jul 2013)

Informing Period for Starting PhD Program in Geomatics Engineering

Technical University of Madrid (UPM), Madrid, Spain

(Sep 2008 – Feb 2011)

Master of Science in Geophysics - Seismology

Islamic Azad University of Tehran-North (IAU), Tehran, Iran

(Sep 2000 – Nov 2005)

Bachelor of Science in Physics - Solid State of Matter

Shahid Beheshti University (SBU), Tehran, Iran

PUBLICATIONS

Journal Publication

- **“Analysis of the 2014 Mw 7.3 Papanao (Mexico) earthquake: implications for seismic hazard assessment”**, Seismological Research Letters, 2019, **Pouye Yazdi**, Jorge M Gaspar-Escribano, Miguel A Santoyo, Alejandra Staller.
- **“Analysis of the 2012 Ahar-Varzeghan (Iran) Seismic Sequence; insights from Statistical and Stress Transfer Modeling”**, Global and Planetary Change, 2018, **Pouye Yazdi**, Miguel A Santoyo, Jorge M Gaspar-Escribano.
- **“Statistical analysis of the 2012-2013 Torreperogil-Sabiote seismic series, Spain”** Journal of Seismology, 2017, **Pouye Yazdi**, Sebastian Hainzl, Jorge M Gaspar-Escribano.
- **“Reply to ‘comment on ‘Recent developments of the Middle East catalogue1’”**, Journal of Seismology, 2016, Mehdi Zare, H Amini, **Pouye Yazdi** et al.
- **“Recent developments of the Middle East catalogue”**, Journal of Seismology, 2014, Mehdi Zare, H Amini, **Pouye Yazdi** et al.

Other Publications

- **“The Porto Viejo 2016 earthquake (Mw 7.7) in the frame of the Ecuador seismic hazard”**, 11th International Workshop on seismic Microzoning and Risk Reduction, Granada, Spain, 2016.
- **“Report of reducing the earthquake losses in South Asia region”**, UNESCO-RELSAR Workshop, IIEES, Tehran, Iran, 2011.

Working Papers

- Web-based tool for scenario-based urban seismic risk evaluation and visualization.
- Analysis of the relation between Coyuca 2001 Shallow Seismic Series (Mw=5.8) and slow slip events in Central Guerrero, Mexico.

Conferences

- 4th Fault2SHA Workshop 2019, Barcelona, Spain.
Oral Presentation; **“Analysis of the Seismic Series Following the Large Thrust Earthquake of 18 April 2014, Papanao, Mexico (m7.3)”**.
Pouye Yazdi, Jorge M Gaspar-Escribano, Miguel A Santoyo.
- European Geoscience Union, General Assembly 2018, Vienna, Austria.
Poster Presentations: **“Review and Analysis of the Coyuca 2001 Shallow Seismic Series (Mw=5.8), in Central Guerrero, Mexico”**.
Pouye Yazdi, Miguel A Santoyo, Arturo Iglesias, Francisco Anta Sánchez.
- European Geoscience Union, General Assembly 2018, Vienna, Austria.
- 36th European Seismological Commission 2018, Valletta, Malta.
Poster Presentation: **“Web-based tool for scenario-based seismic risk assessment.”**
Pouye Yazdi, Jorge M Gaspar-Escribano, Sandra Martinez-Cuevas, Nelson Chavarria.

- 1st Conference in Geomatics Engineering, 2017, Valencia, Spain.
Oral Presentation; “**Stress transfer and statistical analysis of Ahar-Varzeghan seismic sequence, Northwestern Iran**”.
Pouye Yazdi, Jorge M Gaspar-Escribano.
- 9th Spanish and Portuguese Meeting of Geodesy and Geophysics, 2016, Madrid, Spain.
Oral Presentation; “**Analysis of background seismicity of the 2012-2013 Torreperogil-Sabiote seismic swarm; using time-dependent ETAS modelling**”.
Pouye Yazdi, Jorge M Gaspar-Escribano.
- 9th International Workshop in Statistical Seismology, 2015 Potsdam, Germany.
Poster presentation; “**Does the spatial analysis of 2012 Ahar-Varzeghan (Northwestern Iran) seismic sequence corroborate the tectonic interpretations?**”
Pouye Yazdi, Miguel A Santoyo, Jorge M Gaspar-Escribano.
- 2nd Conference on Earthquake Engineering and Seismology, 2014, Istanbul, Turkey.
Oral Presentation; “**Seismic analysis of Torreperogil sequence (Southern Spain)**”.
Pouye Yazdi, Jorge M Gaspar-Escribano
- 15th World Conference of Earthquake Engineering, 2012, Lisbon, Portugal.
Poster Presentation; “**Building an earthquake catalogue for a widespread area of the Middle East**”.
Pouye Yazdi, Mehdi Zare.

Co-supervision

“*Análisis de la serie sísmica de Coyuca (México, 2001)*”

Undergraduate dissertation in Geomatics and Topography Engineering; by Francisco Anta Sanchez
Technical university of Madrid, July 2017. Main supervisor: Dr. Jorge M Gaspar-Escribano

Memberships

- Earthquake Engineering Research Group, (GIIS) UPM
- Centre of Technology Innovation for Human development, UPM
- European Geosciences Union

SKILLS

Programming

- Preference: **Python** , **MATLAB**
- Others: R , C , Fortran , V-Basic

Software

- SEISAN, CRISIS, GEODAS, SAC, ZMAP, SEDA
- Coulomb3, Dis3D
- SPSS
- ArcGIS, QGIS, GMT, Gnuplot
- Office (Microsoft, Latex)
- Operating system (Windows, Linux, Mac OS)

Language

- English (Proficient)
- Spanish (Proficient)
- Persian (Native)