



## curriculum vitae

### PERSONAL INFORMATION

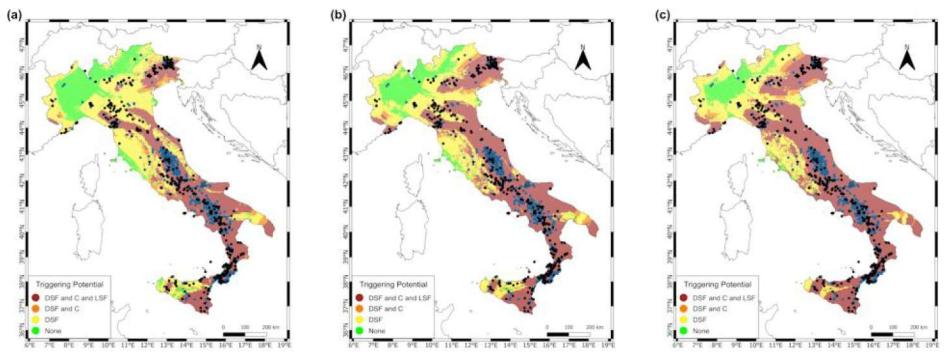
Surname	<b>Azhideh</b>
Name	<b>Sina</b>
Address	
Telephone	
E-mail	
Nationality	
Date of birth	

### Education and training

• Date (from – to)	2024-2027 <b>Currently</b>
• Name and type of organisation providing education and training	University of Genoa, Italy
Duration of the program of study	3 years
• Title of qualification awarded	PhD student in Science and Technologies for the Earth and Environment (DISTAV)
• Date (from – to)	2021-2024
• Name and type of organisation providing education and training	University of Genoa, Italy
Duration of the program of study	2 years
• Principal subjects/occupational skills covered	Principal subjects: Seismic Hazard and Risk Landslide Hazard Multi-Hazard Impact and Risk Assessment Integrated Risk Assessment and Management Remote Sensing of Natural Disasters  Occupational skills covered: QGIS (Geographic Information System) Python Programming Machine Learning
• Title of qualification awarded	Master of Science in Engineering for Natural Risk Management
Final mark obtained	110+/110

• Date (from – to)	2011-2015
• Name and type of organisation providing education and training	Bu-Ali Sina University, Iran
Duration of the program of study	4 Years
• Principal subjects/occupational skills covered	<p>Principal subjects:</p> <p>Engineering Geology</p> <p>Soil Mechanics</p> <p>Environmental Engineering</p> <p>Structural Analysis</p> <p>Strength of Materials</p> <p>Statics</p> <p>Dynamics</p> <p>Occupational skills covered:</p> <p>AutoCAD</p> <p>ETABS</p> <p>Microsoft Office</p>
• Title of qualification awarded	Bachelor of Science in Civil Engineering
Final mark obtained	15.34/20

### graduation thesis (master thesis)

Title	Earthquake-Induce Landslide Triggering Maps For Italy
Language	English
Supervisor	Professor Simone Barani
Thesis Summary	<p>In this study, I defined screening maps for Italy that classify sites based on their potential for triggering landslides. To this end, I analyzed seismic hazard maps and hazard disaggregation results on a national scale considering four spectral periods (0.01 s, 0.2 s, 0.5 s, and 1.0 s) and three return periods (475, 975, and 2475 years). First, joint distributions of magnitude (<math>M</math>) and distance (<math>R</math>) from hazard disaggregation were analyzed by means of an innovative approach based on image processing techniques to find all modal scenarios contributing to the hazard. In order to obtain the <math>M</math>-<math>R</math> scenarios controlling the triggering of earthquake-induced landslides at any computation node, mean and modal <math>M</math>-<math>R</math> pairs were compared to empirical curves defining the <math>M</math>-<math>R</math> bounds associated with landslide triggering. Three types of landslides were considered (i.e., disrupted slides and falls, coherent slides, and lateral spreads and flows). As a result, screening maps for all of Italy showing the potential for triggering landslides based on the level of seismic hazard were obtained (Figure1).</p>
	 <p>Figure 1. Maps of seismic landslide triggering corresponding to different return periods: (a) a 475-year, (b) a 975-year, and (c) a 2475-year period. DSF: disrupted slides and falls; C: coherent slides; LSF: lateral spreads and flows. Historical landslide events in Italy reported by the CEDIT (blue dots) and CFTI5Med (black dots) catalogs are superimposed.</p>

## Publications and Conferences

Author(s) and title	Author(s): Sina Azhideh, Simone Barani, Gabriele Ferretti, and Davide Scafidi  Title: Earthquake-Induced Landslides in Italy: Evaluation of the Triggering Potential Based on Seismic Hazard
Language	English
Publication place	<b>Applied Sciences, MDPI Journal</b>
Date of publication	18/04/2024
Author(s) and title	Author(s): Simone Barani, Sina Azhideh, Gabriele Ferretti, and Davide Scafidi  Title: Evaluation of the triggering potential of seismic landslides in Italy
Language	English
Publication place	<b>Copernicus Meetings, EGU24</b>
Date of publication	19/04/2024
Author(s) and title	Author(s): Sina Azhideh, Simone Barani, Gabriele Ferretti, and Davide Scafidi  Title: Towards an earthquake-induced landslide triggering map for Italy
Language	English
Publication place	<b>GNGTS Conference</b>
Date of publication	16/02/2024

## certifications

Python Programming Language	an online course authorized by University of Michigan and offered through Coursera.
Machine Learning	an online course authorized by University of London and offered through Coursera.
Disaster Risk Management	Online Training Series, Sep to Dec2022, Coventry University, CONRIS and DRMKC of the EuropeanCommission.

## Work experience, stages, studies abroad

• Date (from – to)	From April 2015 To November 2015
• Name and address of firm/university	Water and Wastewater Company of Hamedan Province\ Hamedan (Iran)
• Type of employment	Internship
• Main activities and responsibilities	The implementation of wastewater pipelines
• Date (from – to)	From June 2016 To December 2016
• Name and address of firm/university	Sepasad Group, Tehran (Iran)
• Type of employment	Project Engineer
• Main activities and responsibilities	The construction of Tehran Metro Line 7 (IRAN) Specifically, utilizing excavation stabilization techniques such as nailing and anchorage methods.

## Personal skills and competences

Mother tongue	<b>Persian</b>
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### Other language(s)

	<b>English</b>
• reading	Excellent
• writing	Excellent
• speaking	Excellent
	<b>Italian</b>
• reading	Elementary
• writing	Elementary
• speaking	Elementary

<b>Social skills and competences</b>	I have extensive experience living and working with diverse groups of people, particularly in the field of civil engineering where I collaborated with workers, employees, and engineers on various projects. During my research activities for my thesis and article, I worked closely with professors, honing my ability to communicate complex scientific concepts effectively. Additionally, I have consistently demonstrated active listening and teamwork skills, both in professional settings and by helping struggling classmates. My multicultural work environment has further enhanced my social adaptability and collaboration capabilities.
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<b>Organisational skills and competences</b>	I have honed my organizational skills through various roles in civil engineering projects. As an intern in the implementation of wastewater pipelines for the Water and Wastewater Company of Hamedan Province in Iran, I gained experience in coordinating tasks and managing timelines. Later, as a project engineer for the construction of Tehran Metro Line 7 with Sepasad Group in Tehran, I was responsible for utilizing excavation stabilization techniques such as nailing and anchorage methods. These roles required effective management of teams, resources, and project timelines. Additionally, my research activities for my thesis and article involved coordinating with professors, managing complex tasks, and presenting findings systematically. My ability to help classmates and quickly learn new concepts further demonstrates my organizational competence and effective project coordination skills.
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<b>Technical skills and competences</b>	Python Programming Language Machine learning (beginner) QGIS AutoCAD ETABS Microsoft Office
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<b>Artistic skills and competences</b>	I have been playing guitar (electric, acoustic, and classical) since I was 16 years old. Over the years, I have developed a strong proficiency in guitar playing. Additionally, I played the piano for one year, though my skills in piano are not as advanced as my guitar skills. I have experience performing with bands and participating in live performances, which has helped me cultivate my musical abilities and stage presence. Moreover, I have a six-month experience teaching music at a musical institute.
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