

INFORMAZIONI PERSONALI

Andres Abarca Jimenez



Sesso . | Data di nascita 1986 | Nazionalità

POSIZIONE PER LA QUALE SI
CONCORRE

DOMANDA DI PARTECIPAZIONE - AVVISO PUBBLICO PER IL CONFERIMENTO DI UN INCARICO DI SUPPORTO AMMINISTRATIVO PER ATTIVITA' NELL'AMBITO DI "VALIDAZIONE NUMERICA AD AMPIA SCALA DI METODI DI RAPID VISUAL SCREENING IN EDIFICI ESISTENTI IN PAESI IN VIA DI SVILUPPO"

ESPERIENZA
PROFESSIONALE

Feb/2022 - Attualmente
Dic/2017 - Dic/2019

Ricercatore

IUSS Pavia

- Research for the EU Funded Projects ITERATE and INFRANAT which developed regional-scale seismic risk assessment platforms. Currently involved in RELUIS research project.

[Accademia](#)

Sett/2017 - Gen/2022

Studente Dottorato

IUSS Pavia

- Research for regional risk assessment of bridges including direct and indirect losses as metric for prioritization of inventories.

[Accademia](#)

Gen/2013 - Sett/2017

Ricercatore

Universit  di Costa Rica

- Research for the National Laboratory for Testing Structural Models and Materials of the University of Costa Rica. Report writing, development of testing methods, coordination of training courses, and structural analysis and design.

[Accademia](#)

Mar/2012 - Sett/2017

Professore

Universit  di Costa Rica

- Professor of undergraduate courses: Solids Mechanics 2, Solids Mechanics 1

[Accademia](#)

Mar/2012 - Dec/2012

Ingenieria Strutturale

Miguel Cruz y Asociados (Private structural engineering firm in Costa Rica)

- Junior Structural Engineer in private design firm. Structural analysis and design for new construction of commercial, residential and industrial projects; structural assessment and retrofit designs of existing structures

[Private sector](#)

Lug/2010 - Lug/2020

Professionista della gestione dei progetti

GCI Engineering (Private structural engineering firm in Costa Rica)

- Junior Project Manager in private design firm. Project management activities for the design, permitting and construction phases of building and infrastructure projects

[Private sector](#)

ISTRUZIONE E FORMAZIONE

- 2017-2022 **Dottorando (in corso)**
 IUSS Pavia, Italia
- Research for regional risk assessment of bridges including direct and indirect losses as metric for prioritization of inventories. Thesis: "Regional risk assessment of bridge inventories"
- 2017-2022 **Master in Ingegneria Sismica (MEEES Program)**
 IUSS Pavia (IT) - Université Joseph Fourier (FR)
- Thesis: "Modelling RC Wall Behaviour Considering Shear-Moment Interaction"
- 2017-2022 **Master in Science**
 Università di Costa Rica
- Thesis: "Evaluation of Analysis and Design Methods for Reinforced Masonry Walls with Openings"
- 2017-2022 **Licenciatura**
 Università di Costa Rica
- Thesis: "Structural Behavior of Glulam Wood Moment Frames"

COMPETENZE PERSONALI

Lingua madre Spagnolo

Altre lingue

	COMPRESIONE		PARLATO		PRODUZIONE SCRITTA
	Ascolto	Lettura	Interazione	Produzione orale	
Inglese	C2	C2	C2	C2	C2
Italiano	C1	B2	B2	B1	B1

Livelli: A1/2 Livello base - B1/2 Livello intermedio - C1/2 Livello avanzato

Competenze comunicative ■ possiedo buone competenze comunicative acquisite durante la mia esperienza di professore universitario, sono molto adeguato a fare presentazione tecniche online e presenziale

Competenze organizzative e gestionali Gestione di progetti (Lavorato come professionista della gestione dei progetti per due anni)

Competenze professionali

- valutazione di rischio regionale (lavorato in due progetti EU e anche come principale tema di tesi per il mio PhD)
- valutazione di rischio specifico in Algeria (lavorato in progetti EU ITERATE)
- esperienze con algoritmi di machine learning

Competenze informatiche

- buona padronanza degli strumenti Microsoft Office
- programmazione in Python, OpenSees
- esperienze adeguata con: SeismoStruct, QGIS, SAP200, ETABS

Patente di guida B1 (Costa Rica)

ULTERIORI INFORMAZIONI

Pubblicazioni	
	<p>⌚ Abarca, A., Monteiro, R., O'Reilly, G., Zuccolo, E., Borzi, B., (2021) "Evaluation of intensity measure performance in regional seismic risk assessment of reinforced concrete bridge inventories" in Structure and Infrastructure Engineering.</p>
	<p>⌚ Monteiro, R., Abarca, A., O'Reilly, G., Kechidi, S., Bellotti, D., Borzi, B., Castro, J.M. (2020) "Development of Fragility Curves for Large-Scale Seismic Risk of RC Structures" " in proceedings of the 17th WCEE in Sendai, Japan.</p>
	<p>⌚ Abarca, A., O'Reilly, G., Monteiro, R., Vitanova, M., Daniel, Y., Bellotti, D., Di Meo, A., Zuccolo, E., Salic, R., Edip, K., Borzi, B., Sesov, V., Calvi, G.M., Offir, Y. (2020) "Regional Safety Assessment of Existing Bridge Infrastructure Exposed to Seismic Hazard" in proceedings of the WCEE in Sendai, Japan. (Publication pending)</p>
	<p>⌚ Perdomo, C. Abarca, A., Monteiro, R. (2020), "Estimation of Seismic Expected Annual Losses for Multi-Span Continuous RC Bridge Portfolios Using a Component-Level Approach" in Journal of Earthquake Engineering</p>
	<p>⌚ Vitanova, M., Sesov, V., Micajkov, S., Abarca, A., Monteiro, R., Salic, R., Edip, K., Micov, V., Petreski, B. (2019) "Classification of Existing Bridges in R.N. Macedonia Using Improved Bridge Inventory Database" in proceedings of 18th International Symposium of Macedonian Association of Structural Engineers (MASE 2019), Ohrid, North Macedonia.</p>
	<p>⌚ O'Reilly, G., Abarca, A., Monteiro, R., Borzi, B., Calvi, G.M. (2019), "Towards Regional Safety Assessment of Bridge Infrastructure" in proceedings of IABSE Conference in Seoul, South Korea.</p>
	<p>⌚ Kechidi, S., Abarca, A., Marques, M., Castro, J.M., Monteiro, R. (2019) "On the seismic risk assessment of the residential buildings in Northern Algeria" in proceedings of 12th Canadian Conference on Earthquake Engineering, Québec, Canada.</p>
	<p>⌚ Abarca, A., Monteiro, R., Kechidi, S., Castro, J.M., Marques, M., Yelles, A.K. (2019), "Development of a Seismic Risk Model for Northern Algeria" in proceedings of IABSE Conference in Seoul, South Korea.</p>
	<p>⌚ Monteiro, R., Abarca, A. (2018), "Developing an Integrated Seismic Risk Model for Existing Buildings in Northern Algeria" in proceedings of 20th International Conference on Earthquake Engineering, Seismology and Seismic Design. London, United Kingdom.</p>
	<p>⌚ Abarca, A., Monteiro, R. (2018), "Development of an exposure model for bridge structures in Northern Algeria" in proceedings of IABSE Conference 2018, Copenhagen.</p>
	<p>⌚ Abarca, A., Monteiro, R. (2018), "Towards Large Scale Seismic Risk Assessment in Algeria: Case Study to the City of Blida" in proceedings of WMCAUS Symposium 2018, Prague.</p>

ALLEGATI

- copie delle lauree MSc Erasmus;

CV firmato da Andres Abarca – copia originale
conservata agli atti

Data 07/Mar/2022

Firma