

CURRICULUM VITAE

Surname/Name **Famà Antonino**

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Nationality Italian

Date of birth 29/9/1987



CURRENT ACTIVITY

Temporary research associate in research group of Geotechnical Earthquake Engineering of EUCENTRE, Pavia

RESEARCH ACTIVITIES

- Seismic-geotechnical characterization of sites and soil model development to evaluation of local site effects
- Evaluation of site effects due to geological, geomorphologic and local geotechnical conditions with stochastic analyses by equivalent linear approach
- Assessment of liquefaction susceptibility by empirical correlations
- Development of tools finalized to seismic vulnerability assessment of seaports by fragility curves
- Elaboration of data in GIS environment to develop georeferenced databases
- Estimation of collateral effects induced by the seismic ground shaking: co-seismic and post-seismic instability, liquefaction, soil settlements and lateral displacements.
- Development of GIS platforms for areas and structures of relevant geotechnical interest (e.g., seaports and earth dams)
- Estimation of hazard-dependent soil factors for the definition of seismic input using simplified approach in according to soil categories defined in NTC2008 (non-liquefiable soils)

He is involved in various research projects including:

- EUCENTRE-DPC executive project S.3.5 2014 - 2016 "Seismic vulnerability and risk of wharf structures"
- EUCENTRE-DPC executive project S.3.6 2014 - 2016 "Seismic risk of earth dams"
- EUCENTRE-DPC executive project S.3.7 2014 - 2016 "*Seismic risk of airport*"
- RELUIS-DPC 2014-2016 WP1 Site effects Task1.1

WORK EXPERIENCE

July 2014 – October 2016 Research associate, in EUCENTRE

- Research grant: *“Analisi affidabilistiche di risposta sismica locale 1D in siti stabili mediante approcci lineari equivalenti adottando moduli di taglio e coefficienti di smorzamento dei terreni dipendenti dalla frequenza. Implementazione dell’algoritmo, collaudo e validazione del codice”*
- Research grant: *“Analisi affidabilistiche di risposta sismica locale 1D in siti stabili mediante approcci lineari equivalenti finalizzate ad elaborare una proposta di nuova classificazione del sottosuolo per la definizione dell'azione sismica che aggiorni quella delle vigenti Norme Tecniche per le costruzioni (NTC 2008)”*
- Research grant: *“Analisi affidabilistiche di risposta sismica locale mediante approcci lineari equivalenti e non lineari in sforzi efficaci. Definizione di una metodologia per la valutazione della risposta sismica locale di siti instabili con geometria 1D”*

December 2012 – December 2013 Thesis, in EUCENTRE

- *“Modellazione geotecnica e suscettibilità alla liquefazione per la valutazione della vulnerabilità sismica di strutture portuali marittime: il porto di Gioia Tauro”* relatore Prof. Carlo Giovanni Lai, correlatrice Ing. Francesca Bozzoni

EDUCATION

20 – 21 June 2014 (16 hours) – Short Course in Geotechnical Earthquake Engineering and local site effects assessment, EUCENTRE, Pavia

2013 - Msc in Civil Structural Engineering, University of Pavia

2010 - Bachelor in Civil Engineering, University of Pavia

OTHER ACTIVITIES

11 – 16 September 2016

SISMA 2016 Emergency: technical coordinator on site at Di.Coma.C in Rieti of the Eucentre team involved in post-earthquake field investigations to verify practicability of schools and public buildings performed after the earthquake that has affected the Centre Italy 24th August 2016.

PUBLICATIONS

Scandella L., Lai C.G., Bozzoni F., Famà A. (2015), *“Seismic damage assessment of earthfill dams”* ANIDIS 2015 XVI Convegno 13-17 Settembre L’Aquila

Bozzoni F., Famà A., Lai C.G., Mirfattah S.A., (2014), *“Seismic risk assessment of seaports using GIS: the port of Gioia Tauro in Southern Italy”*, PIANC World Congress San Francisco, USA 2014

Famà A., Bozzoni F., Lai C.G. (2014). *“Modellazione geotecnica e suscettibilità alla liquefazione per la valutazione della vulnerabilità sismica di strutture portuali marittime: il porto di Gioia Tauro”*. N.3/2014 Progettazione Sismica