

# CURRICULUM VITAE of

## GIULIA FANELLI

### Personal data

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**Date of birth** 05/01/1987

**Nationality** Italian

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**Office Address** via G. Duranti, 93 – 06125 Perugia, Italy.

### Current Position

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Ph.D. candidate in “Civil Engineering and Innovative Materials – XXVIII Cycle”

Affiliation: University of Perugia – Department of Civil and Environmental Engineering.

### Mentions

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2012 - Award as *Best Student in Civil Engineering*, Department of Civil and Environmental Engineering of the University of Perugia.

### Education and Training

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14/03/2014 - 10/06/2014: "Visiting Student", at the Stanford University (California). Topic: "Implementation of the frictional contact in the analysis of rainfall-induced landslide".

10 May 2012: Master Degree Summa Cum Laude in Civil Engineering at the University of Perugia. Topic of the dissertation: "Approccio prestazionale per la valutazione di primo livello della pericolosità da frane sismoindotte " (in Italian).

#### *Seminars and courses*

30/09/2013 – 5/10/2013: “Alert Geomaterials – Workshoop and School 2013: Soil-Structure Interaction”, Aussois, France.

09/09/2013 – 13/09/2013: “Summer school on landslides and debris flow 2013”, University of Natural Resources and Life Sciences - Vienna (BOKU).

04/07/2013 – 10/07/2013: “2<sup>nd</sup> International Summer School on Water Research - Landslide modeling and Early

Warning Systems”, Praia a Mare.

## **Main Research Interest**

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- [1.] Implementation of predictive methods for modeling triggering processes of shallow landslides and debris flows at large-scale by means of physically-based approaches (analytical and numerical), integrated in a GIS framework.
- [2.] Constitutive modeling of the mechanical behavior of unsaturated soils in the theory of plasticity with hardening.

## **Scientific publications**

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### *International Conference Proceedings*

- [1.] Fanelli G., Salciarini D., Tamagnini C., Ponziani F., Stelluti M., Berni N., (2014). Mapping earthquake-induced landslide susceptibility in central Italy. In: IAEG 2014, Landslide Processes, Torino.
- [2.] Berni N., Fanelli G., Ponziani F., Salciarini D., Stelluti M., Tamagnini C. (2012). Forecasting earthquake-induced landslides at the territorial scale by means of PBEE approaches. In: Geophysical Research Abstracts. Vienna, vol. 14, EGU General Assembly.

### *National Conference Proceedings*

- [1.] Salciarini D., Tamagnini C., Fanelli G. (2014). Effetto delle condizioni di saturazione del terreno sulle soglie pluviometriche per l'innescio di frane superficiali. In: XXV Convegno Nazionale di Geotecnica, Baveno.
- [2.] Fanelli, G. (2013). Approccio prestazionale per la valutazione a scala territoriale della pericolosità da frane sismoindotte. In: IAGIG 2013 (Incontro annuale dei giovani ingegneri geotecnici), Como.

## **Participation to Scientific Research Program of National and International Relevance**

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2013-2015 – Research Project funded by the Italian Ministry of University and Research: “PRIN12 : La mitigazione del rischio da frana mediante interventi sostenibili”. Member of the Research Unit of the University of Perugia.

2013-2014 – Research Project funded by the Umbria Region, Local Office of the Italian Department of the Civil Protection “Ricerche applicate e servizi modellistico-informatici di early warning a scala territoriale per la prevenzione del rischio idrogeologico e sismico, mediante approcci fisicamente basati”.

## **Affiliations to Technical and Scientific Society**

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- [1.] Member of the Italian Geotechnical Society (AGI) from 2013.

(Perugia, May 2013.)