

CURRICULUM VITAE

CLAUDIA MEISINA

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ACADEMIC POSITION

Present position:

Associate professor in engineering geology (GEO/05), Department of Earth and Environmental Sciences (DSTA), University of Pavia

2005 to present: responsible of the Laboratory of Engineering Geology and Geotechnics of the Department of Earth and Environmental Sciences, University of Pavia

Academic career

Since 14/04/2015: Associate professor in engineering geology (GEO/05), Department of Earth and Environmental Sciences, University of Pavia.

1/07/1998 – 13/04/2015: Assistant Professor in engineering geology (GEO/05), Department of Earth and Environmental Sciences, University of Pavia.

12-21/07/2001: Department of Civil Engineering of Kansas State University, visiting researcher (Assessing the swelling/shrinkage potential of Italian soils via neural network approach).

1996-1998 post-doctoral researcher at the Bureau de Recherches Géologiques et Minières (Marseille – France). “Development of a swelling/shrinkage hazard mapping methodology”.

6/5-20/7/1994: stage at Ecole Centrale Paris - Laboratoire de Mécanique, Sols, Structures et Matériaux- Prof. J.M. Fleureau, Paris, France (Use of soil drainage and wetting curves for swelling/shrinkage potential assessment).

Academic services

Since 2011: responsible of student stage, MSc Degree Applied Geological Sciences

Since 2011: member of the PhD School of Earth and Environmental Sciences, University of Pavia

EDUCATION AND TRAINING

- 1998 research grant of the Centre International pour la Formation et les Echange Géologiques (C.I.F.E.G.) (4/05/1998 - 30/06/1998), to support researches at Bureau de Recherches Géologiques et Minières, DR/GIG, Groupe Risques Naturels et Géoprospectives (Marseille, France). 1996 Earth Science Ph.D, University of Pavia (Geotechnical and mineralogical characterisation of some swelling soils of Northern Italy).
- 1997-1998 research grant of the Italian Foreign Affairs Ministry (1/11/1997 - 30/04/1998) to support researches at Bureau de Recherches Géologiques et Minières, DR/GIG, Groupe Risques Naturels et Géoprospectives (Marseille, France).
- 1996-1997 research grant of University of Pavia (12/11/1996 - 12/11/1997) to support researches at Bureau de Recherches Géologiques et Minières, DR/GIG, Groupe Risques Naturels et Géoprospectives (Marseille, France)
- 1992 MSc Degree in Geological Sciences with honours, University of Pavia.

RESEARCH ACTIVITY

Research fields:

- A) Study of the triggering mechanism of rainfall-induced landslides in different climatic and geological contexts, through the long-term hydro-mechanical monitoring of shallow soils. Role of swelling/shrinkage in the shallow landslide triggering. Shallow landslide susceptibility assessment.
- B) Development and application of methodologies for the geological interpretation at different scale of satellite radar interferometric data (Persistent Scatterer techniques), study of the applicability of these techniques for landslide and soil swelling/shrinkage identification and monitoring. Development of methodology aimed at improving the understanding of the kinematical behavior of swelling/shrinking processes through Advanced DInSAR techniques.
- C) Development and application of methodologies for subsoil geological model and for engineering geological mapping to support geohazard assessment (seismic microzonation) and foundation conditions. Study of the applicability of the most used empirical correlations for soil classification and soil stratigraphy description based on CPT and CPTU.
- D) Geological and geotechnical characterisation of swelling/shrinking clay soils, development of traditional and non-traditional techniques in situ and in laboratory for the prediction of the swelling/shrinking soil parameters; prediction of swelling pressure and swell strain via neural network approach, development of methodologies for the swelling/shrinkage hazard assessment.

Scientific affiliation

Member of the executive board of the Italian national group of the International Association for Engineering Geology and the Environment (IAEG)

Secretary of the Italian Association of Engineering Geology (AIGA)

Member of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE).

Member of the Italian Geotechnical Association (AGI)

Journal review boards

Journal of Geotechnical and Geoenvironmental Engineering, Geoderma, Natural Hazards and Earth System Sciences, Remote Sensing of Environment, Engineering Geology, Hydrological Processes, International Journal for Numerical and Analytical Methods in Geomechanics, Quaternary International, Natural Hazards, The Arabian Journal for Science and Engineering, Applied Clay Science, Mountain Research and Development, Bulletin of Engineering Geology and the Environment, Geomatics, Natural hazards and Risk, Remote Sensing, Catena.

Main invited lectures and dissemination activity

2016 Convener of the Session S25 Geological safety of built and urban areas, 88 ° Congresso Società Geologica Italiana, Napoli, 7-9 September 2016.

2014 Convener of the Session 2.27: Prediction methods for rainfall triggered landslides XII International IAEG Congress, Torino 15-19 September 2014,.

2014 Invited speaker at the Conference SloMove “Landslide monitoring, Bolzano, 18 Dicembre 2014 (Meisina C., Colombo A., Notti D., & Zucca F.. Integration of different monitoring techniques: the example of Rosone landslide (Western Alps)).

2014 Invited lecture at the Workshop on penetration testing – Pisa 9 October 2014 (Meisina C. & Lo Presti D. Evaluating Liquefaction Potential of Soils Using CPT: A Case Study in the Central Po River Plain, Italy).

2014 Invited lecture at the Pleiades days, 1-3 April 2014, Toulouse, France (Zizioli D., Meisina C., Zucca F., Bordoni M., Notti D., Remondino F., Poli D., Gamba P. Evaluation of Pleiades images for rainfall-triggered shallow landslides mapping on Oltrepo Pavese (NW Italy)).

2013 Convener of the Session B2 – Remote sensing application, IX National Congress of young researcher in engineering geology, Napoli 14-15 February 2013.

2013 Convener of the Session Shallow landslides:causes, effects and land management strategies. IX Italian Forum of Earth Sciences, Geoitalia 2013, Pisa 16-18 September 2013,

2012 Invited lecture at the Workshop “CPT and its use for the geotechnical investigations” New Delhi, 4th April 2012 (Meisina C. The use of CPT and CPTU for soil characterization)

2010 Invited lecture at the 1st Europe – China Workshop on “Capability of penetration tests in geotechnical research and practice”, Pisa 14-16 September 2010 (Meisina C. The use of CPT and CPTU in stratigraphic profile and in engineering geological model).

2000 Invited poster at the Int. Conf. on Geotechnical & Geological Engineering Geoeng2000, Melbourne, 19-24 November 2000. (Meisina C. - Predicting swelling/shrinkage potential using the blue methylene method: some examples in italian clayey soils).

Invited speaker in swelling/shrinkage of clay soils and landslide monitoring at several professional refresher courses in Italy.

Research and technological development projects

European project

- 2016-2019: responsible for DSTA Horizon 2020 project LIQUEFACT (Assessment and mitigation of liquefaction potential across Europe: a holistic approach to protect

structures / infrastructures for improved resilience to earthquake-induced liquefaction disasters) (still running).

- 2012-2015: Participation as University of Pavia to FP7 “Marsite - New Directions in Seismic Hazard Assessment through Focused Earth Observation in the Marmara Supersite”. Grant Agreement Number: 308417 co-funded by the European Commission within the Seventh Framework Program THEME [ENV.2012.6.4-2] [Long-term monitoring experiment in geologically active regions of Europe prone to natural hazards: the Supersite concept].

Other project

2015. Project TerraSAR-Satellite data “Land subsidence monitoring and understanding from space: the Ravenna area (Northern Italy) case history”. Principal Investigator R. Bonì.

2013. Project Pleiades PUG47 (Pleiades User Group) promoted by ASTRIUM Geo-Information Services, “Shallow landslide mapping in Oltrepo Pavese through satellite images,: Principal Investigator C. Meisina.

2013. 4th ALOS Research Announcement “Advanced SAR techniques to efficiently monitor landslide phenomena”. Principal Investigator A. Manconi.

2013. AO for utilization of the TERRASAR-X archive “Use of SAR-satellite data to monitor and model landslides and subsidence hazards”. Principal Investigator D. Notti.

2013. ESA CAT-1 “Contribution of COSMO-SkyMed data to detection of movement and 2009 paroxysmal acceleration of Grande Orgiera landslide (NW Alps)”. Principal Investigator D. Notti.

2012. ESA CAT-1 “Differential SAR interferometry to monitor, analyse and model landslide hazard in Italy”, Principal Investigator Dott. A. Manconi

ESA project “Application of L-band satellite to map and monitor deformation processes: evaluation of potential and comparison with C-band over selected areas of Europe through InSAR, PoLinSAR and Polarimetric applications”. Principal Investigator C. Meisina

Main research projects supported by Regional and Provincial Governments, industry (project leader).

2015. Research project financed by ARPA Piemonte. “Updating the landslide inventory with ancillary data, monitoring and interferometric data”

2013. Research project financed by Uretex “Swelling/shrinking soils treatment by using different additives”

2012. Research project funded by Comunità Montana Sebino Bresciano “Municipal Emergency Plan of Sebino Bresciano”

2010. Research project financed by Regione Liguria. “Analysis of interferometric data (PSInSAR technique) in Imperia and Savona provinces”.

2010. Research project financed by IRER. Geological interpretation of PST and RADARSAT interferometric data.

2010. Research project financed by IREALP. Landslide inventory update (GEOIFFI) in the Pavia and Brescia provinces.
2010. Research project financed by Provincia di Pavia. Study of shallow landslides triggered by the 27-28 April 2009 event in Oltrepo Pavese and guidelines for a correct slope management.
2009. Research project financed by ARPA Piemonte. “PSInSAR data interpretation in Piemonte Region”. The research was part of the Interreg IIIb - “ClimChAlps”.
2008. Research project financed by Istituto Regionale di Ricerca della Lombardia (IRER): ”Analysis and geological and hydrogeological interpretation of PSInSAR data in the provinces of VA, CO, LC, SO, BG e BS”.
2007. Research project financed by Pagani geotechnical Equipment. “Innovative methods related to the interpretation of Cone Penetration Test”.
2007. Research project financed by Brescia Civil Protection. “Geological interpretation of PSInSAR data in area subjected to landslides and subsidences”.
2005. Research project financed by Provincia di Pavia. “Guideline for the environmental recovery of quarries in Pavia Province”.
2005. Research project financed by Regione Lombardia. “Analysis of the geological causes of building damages in Oltrepo Pavese with reference to the swelling/shrinking phenomenon”.
- 2003 Research project financed by Regione Lombardia. “Activities for the geological and hydrogeological analysis and interpretation of PSInSAR data in the Oltrepo Pavese in Pavia Province”
2002. Research project for young researcher of University of Pavia. “Swelling/shrinking clayey soil potential determination via artificial neural network”.
2001. Research project financed by Provincia di Pavia. Identification of the potential areas for the production of building stone.
1998. Research project financed by BRGM -Service Géologique Règional Ile de France. “Evaluation de l’alèa retrait/gonflement des sols argileux dans le département de l’Essonne (France)”.

TEACHING ACTIVITY

Undergraduate course

Engineering Geology for the Bachelor degree in Engineering for Environment and Territory

Engineering Geology for the Bachelor degree in Earth Sciences

Landslide Hazard and Risk, MSc degree in Applied Geological Sciences

Supervisor and co-supervisor of more than 100 M.Sc theses and of 7 Ph.D theses.

Peer-reviewer and external referee for the evaluation of 5 PhD dissertations in Italy.

MAIN PUBLICATIONS (2012-2017)

Paper in scientific journal

1. **Ninfo A., Zizioli D., Meisina C., Castaldini D., Zucca F., Luzi L., De Amicis M.** (2012). The survey and mapping of sand-boil landforms related to the Emilia 2012 earthquakes: preliminary results. *ANNALS OF GEOPHYSICS*, 55, 4, 727-733; doi: 10.4401/ag-6114. Codice Scopus: 2-s2.0-84868101386, WOS:000311455400029.
2. **Zizioli D., Meisina C., Valentino R., Montrasio L.** (2013). Comparison between different approaches to modeling shallow landslide susceptibility: a case history in Oltrepo Pavese, Northern Italy. *Nat. Hazards Earth Syst. Sci.*, 13, 559–573, www.nat-hazards-earth-syst-sci.net/13/559/2013/doi:10.5194/nhess-13-559-2013, WOS:000317007500004. Codice Scopus 2-s2.0-84901587971.
3. **Notti D, Meisina C., Colombo A., Lanteri L. & Zucca F.** (2013). *Studying and monitoring large landslides with persistent scatterer data*. Italian Journal of Engineering Geology and Environment – Book Series (6), 349-360, DOI: 10.4408/IJEGE.2013-06.B-33, ISBN 978-88-95814-96-4. Codice Scopus: 2-s2.0-84905261120.
4. **Bordoni M., Zizioli D., Meisina C., Valentino R., Bittelli M. & Chersich S.** (2013). Monitoring of a slope susceptible to shallow landslides: preliminary result. *Rend. Online Soc. Geol. It.*, Vol. 24, pp. 31-33. Codice Scopus: 2-s2.0-84882784825.
5. **Molinari M.E., Cannata M., Meisina C.** (2014). *r.massmov*: an open-source landslide model for dynamic early warning systems. *Nat Hazards*, 70, 2, 1153-1179, DOI 10.1007/s11069-013-0867-8. WOS:000331393200010, codice scopus: 2-s2.0-84891108118.
6. **Notti D., Herrera G., Bianchini S., Meisina C., García-Davalillo J. C. & Zucca F.** (2014) *A methodology for improving landslide PSI data analysis*, *International Journal of Remote Sensing*, 35:6, 2186-2214, DOI 10.1080/01431161.2014.889864. WOS 000333995200010, codice scopus: 2-s2.0-84896847788.
7. **Valentino R., Meisina C., Montrasio L., Losi G.L. & Zizioli D.** (2014). *Predictive Power Evaluation of a Physically Based Model for Shallow Landslides in the Area of Oltrepò Pavese, Northern Italy*. *Geotech Geol Eng*, 32, 783–805, DOI 10.1007/s10706-014-9758-3. codice scopus: 2-s2.0-84903640957.
8. **Bordoni M., Persichillo M. G., Meisina C., Cevasco A., Giannecchini R., D'Amato Avanzi G., Galanti Y., Bartelletti C., Brandolini P. & Zizioli D.** (2015). *Developing and testing a data-driven methodology for shallow landslide susceptibility assessment: preliminary results*, *Rend. Online Soc. Geol. It.*, 35, 25-28, (doi: 10.3301/ROL.2015.55), Società Geologica Italiana, Roma 2015, Codice Scopus 2-s2.0-84930730030 ; Codice WOS: WOS:000373173500007.
9. **Notti D., Calò F., Cigna F., Manunta M., Herrera G., Berti M., Meisina C., Tapete D., Zucca F.** (2015). *A user-oriented methodology for DInSAR time series analysis and interpretation: landslides and subsidence case studies*. *Pageoph, Pure and Applied Geophysics*, Volume 172, Issue 11, 1 November 2015, Pages 3081-3105, ISSN 0033-4553, DOI 10.1007/s00024-015-1071-4. Codice Scopus: 2-s2.0-84944675403; WOS:000363249600007.
10. **Bordoni M., Meisina C., Valentino R., Lu N., Bittelli M., Chersich S.** (2015) *Hydrological factors affecting rainfall-induced shallow landslides: from the field monitoring to a simplified slope stability analysis*. *Engineering Geology*, 193, 19-37, doi:10.1016/j.enggeo.2015.04.006, WOS:000357350000002, 2-s2.0-84928252322.
11. **Bordoni M., Meisina C., Valentino R., Bittelli M. and Chersich S.** (2015). *Site-specific to local-scale shallow landslides triggering zones assessment using TRIGRS*. *Nat. Hazards Earth Syst. Sci.*, 15, 1025–1050, 2015, www.nat-hazards-earth-syst-sci.net/15/1025/2015/doi:10.5194/nhess-15-1025-2015

sci.net/15/1025/2015/, doi:10.5194/nhess-15-1025-2015, WOS:000355288700007, Codice Scopus: 2-s2.0-84930196241.

12. **Abay A. and Meisina C.** (2015). *Engineering-geological properties of carbonates and shale: their implications for dam construction in Mekelle, Northern Ethiopia*. Momona Ethiopian Journal of Science (MEJS), 7(1), 64-84, Mekelle University, ISSN:2220-184X. WOS:000360064000006
13. **Bonì R., Herrera G., Meisina C., Notti D., Béjar-Pizarro M., Zucca F., González P. J., Palano M., Tomás R., Fernández J., Fernández-Merodo J. A., Mulas J., Aragón R., Guardiola-Albert C. and Mora O.** (2015). *Twenty-year advanced DInSAR analysis of severe land subsidence: the Alto Guadalentín Basin (Spain) case study*. Engineering Geology, 198, 40–52. doi: 10.1016/j.enggeo.2015.08.014. Codice Scopus 2-s2.0-84942897246, WOS:000364894000004
14. **Chersich S., Reisek K., Vranova V., Bordoni M., Meisina C.** (2015). *Climate change impacts on the Alpine ecosystem: an overview with focus on the soil - a review*. Journal of Forest Science 61, 11, 496-514. doi: 10.17221/47/2015-JFS, Codice Scopus: 2-s2.0-84948708587.
15. **Bordoni M., Meisina C., Vercesi A., Bischetti G.B., Chiaradia E.A., Vergani C., Chersich S., Valentino R., Bittelli M., Comolli R., Persichillo M.G., Cislighi A.** (2016). *Quantifying the contribution to soil mechanical reinforcement of grapevines in an area susceptible to shallow landslides*. Soil & Tillage Research 163 (2016) 195–206, <http://dx.doi.org/10.1016/j.still.2016.06.004>. Codice Scopus 2-s2.0-84976421858, WOS:000381834000022.
16. **Bonì R., Cigna F. , Bricker S., Meisina C., McCormack H.** (2016). *Characterisation of the hydraulic head changes and aquifer properties in the London Basin using Persistent Scatterer Interferometry ground motion data*. Journal of Hydrology 540 (2016) 835–849. <http://dx.doi.org/10.1016/j.jhydrol.2016.06.068>. Codice Scopus 2-s2.0-84977656935, WOS:000382269500065.
17. **Bonì R., Pilla G. and Meisina C.** (2016). *Methodology for Detection and Interpretation of Ground Motion Areas with the A-DInSAR Time Series Analysis*. Remote Sens., 8, 686, 1-24; doi:10.3390/rs8080686, Codice Scopus: 2-s2.0-84983791859, WOS:000382458700072.
18. **Bordoni M., Meisina C., Valentino R., Persichillo M.G., Bittelli M., Chersich S.** (2016). *The impact of hydrological parameters on modelling slope safety factor towards shallow landslides: a case study from Oltrepò Pavese*. E3S Web of Conferences 9, 15005. doi:10.1051/e3sconf/20160915005.
19. **Bordoni M., Meisina C., Vercesi A., Bischetti G.B., Chiaradia E.A., Bassanelli C., Vergani C., Valentino R., Bittelli M., Chersich S.** (2016). *Grapevine root system strength in an area susceptible to shallow landslides for slope stability assessment*. Acta Horticulturae, 1st International Symposium on Grapevine Roots, 16-17 October 2014, 1136, 81-88, Edited by: Gaiotti, F; Battista, F; Tomasi, D, doi:10.17660/ActaHortic.20161136.11, Codice Scopus: 2-s2.0-84985910957, WOS:000385238000011.
20. **Persichillo M.G., Bordoni M., Meisina C., Bartelletti C., Barsanti M., Giannecchini R., D'Amato Avanzi G., Galanti Y., Cevasco A., Brandolini P., Galve J.P.** (2016). *Shallow landslides susceptibility assessment in different environments*. Geomatics, Natural Hazards and Risk. doi:10.1080/19475705.2016.1265011. Scopus code: 2-s2.0-85006165453.
21. **Fiaschi S., Tessitore S., Bonì R., Di Martire D., Achilli V., Borgstrom S., Ibrahim A., Floris M., Meisina C., Ramondini M. & Calcaterra D.** (2016): *From ERS-1/2 to Sentinel-1: two decades of subsidence monitored through A-DInSAR techniques in the*

Ravenna area (Italy), GIScience & Remote Sensing, DOI: 10.1080/15481603.2016.1269404

22. **Bordoni M., Persichillo M.G., Meisina C.** (2016). *The role of the vineyards on slope stability: a case study from an area susceptible to shallow landslides*. Rendiconti Online della Società Geologica Italiana 39, 8-11. doi: 10.3301/ROL.2016.34. Scopus code: 2-s2.0-84963622525. WOS code: 000373177000003.
23. **Persichillo M.G., Dutta P.J., Bordoni M., Meisina C., Bartelletti C., Barsanti M., Giannecchini R., D'Amato Avanzi G., Galanti Y., Cevasco A.**, (2016). *Nonlinear regression technique to assess the landslide susceptibility of the Kalapahar hill, Guwahati, Assam State (India)*. Rendiconti Online della Società Geologica Italiana 41, 179-182. doi: 10.3301/ROL.2016.123. WOS code: 000388918100045.
24. **Persichillo M.G., Bordoni M., Meisina C.** (2017). *The role of land use changes in the distribution of shallow landslides*. Science of the Total Environment 574, 924-937. doi:10.1016/j.scitotenv.2016.09.125. Scopus code: 2-s2.0-84988528052. WOS code: 000389090100088.

Book chapter

1. **Meisina C.** (2012). *Shrinkage characterization of some italian clay soils. Unsaturated soils: research and applications*. C. Mancuso, Jommi C. & D'Onza F. Eds., Vol.1, 317-324, ISBN 978-3-642-31115-4.
2. **Meisina C., Notti D., Zucca F., Ceriani M., Colombo A., Poggi F., Roccati A., Zaccone A.** (2013). *The use of PSInSAR™ and SqueeSAR™ techniques for updating landslide inventories*. Landslides Science and Practice. Volume 1: Landslide Inventory and Susceptibility and Hazard Zoning. Margottini, Claudio; Canuti, Paolo; Sassa, Kyoji (Eds.), 81-87, ISBN 978-3-642-31324-0, Springer, DOI: 10.1007/978-3-642-31325-7_10. Scopus: 2-s2.0-84898060493.
3. **Meisina C., Zizioli D., Zucca F.** (2013) *Methods for shallow landslides susceptibility mapping: an example in Oltrepo Pavese (Northern Italy)*, Landslides Science and Practice. Volume 1: Landslide Inventory and Susceptibility and Hazard Zoning. Margottini, Claudio; Canuti, Paolo; Sassa, Kyoji (Eds.), 451-458, ISBN 978-3-642-31324-0, Springer, DOI: 10.1007/978-3-642-31325-7. Scopus: 2-s2.0-84898065890.
4. **Notti D., Meisina C., Zucca F., Colombo A.** (2014). *Non linear PS Time Series: analysis and post-processing for landslides studies*. Mathematics of Planet Earth. Proceedings of the 15th Annual Conference of the International Association for Mathematical Geosciences. Series: Lecture Notes in Earth System Sciences. Pardo-Igúzquiza, E.; Guardiola-Albert, C.; Heredia, J.; Moreno-Merino, L.; Durán, J.J.; Vargas-Guzmán, J.A. (Eds.). 245-248. Springer, DOI 10.1007/978-3-642-32408-6_56, ISBN 978-3-642-32408-6, WOS:000339442300056.
5. **Bordoni M., Meisina C., Zizioli D., Valentino R., Bittelli M., and Chersich S.** (2014). *Rainfall-Induced Landslides: Slope Stability Analysis Through Field Monitoring*. Landslide Science for a Safer Geoenvironment, Vol. 3, 273-279, Kyoji Sassa, Paolo Canuti, Yueping Yin (ed.), DOI 10.1007/978-3-319-04996-0_43, Springer International Publishing Switzerland, ISBN 978-3-319-04995-3
6. **Zizioli D., Meisina C., Bordoni M., and Zucca F.** (2014). *Rainfall-Triggered Shallow Landslides Mapping Through Pleiades Images*. Landslide Science for a Safer Geoenvironment, 2, 325-329, DOI 10.1007/978-3-319-05050-8_51, K. Sassa et al. (eds.), Springer International Publishing Switzerland 2014. ISBN 978-3-319-05050-8.
7. **Zizioli D., Meisina C., Zucca F., Bordoni M., Notti D., Remondino F., and Gamba P.** (2015). *Evaluation of Pleiades images for rainfall-triggered shallow landslides*

mapping. G. Lollino et al. (eds.), Engineering Geology for Society and Territory – Volume 2, 405-409, DOI: 10.1007/978-3-319-09057-3_64, © Springer International Publishing Switzerland 2015, ISBN 978-3-319-09056-6.

8. **Notti D., Meisina C., Zucca F., Balduzzi G., and Colombo A.** (2015). *Map Numerical Modelling of Landslides Using Data from Different Monitoring Systems: The Example of Rosone (Western Alps)*. G. Lollino et al. (eds.), Engineering Geology for Society and Territory – Volume 2, 1455-1459, DOI: 10.1007/978-3-319-09057-3_258, © Springer International Publishing Switzerland 2015. ISBN 978-3-319-09056-6.
9. **Valentino R., Bordoni M., Meisina C., Zizioli D., Bittelli M., and Chersich S.** (2015). *Monitoring and Modelling of Soil–Atmosphere Interaction on a Slope Affected by Shallow Landslides*. G. Lollino et al. (eds.), Engineering Geology for Society and Territory – Volume 2, 1563-1566, DOI: 10.1007/978-3-319-09057-3_277, © Springer International Publishing Switzerland 2015. ISBN 978-3-319-09056-6.
10. **Notti D., Meisina C., Zucca F., Colombo A. and Paro L.** (2015). *Map and Monitoring Slow Ground Deformation in NW Italy Using PSI Techniques*. G. Lollino et al. (eds.), Engineering Geology for Society and Territory – Volume 5, 141-145, DOI: 10.1007/978-3-319-09048-1_28, © Springer International Publishing Switzerland 2015. ISBN 978-3-319-09048-1
11. **Bordoni M., Persichillo M.G., Meisina C., Chersich S., Vercesi A., Bischetti G.B., Vergani C., Valentino R., Bittelli M., Comolli R.** (2016) *The role of the vineyards on shallow landslides*. Landslides and Engineered Slopes. Experience, Theory and Practice , 2, 467-474 – Aversa et al. (Eds), 2016 Associazione Geotecnica Italiana, Rome, Italy, ISBN 978-1-138-02988-0, Codice Scopus: 2-s2.0-84984852115.
12. **Bordoni M., Persichillo M.G., Meisina C., Chersich S., Valentino R., Bittelli M.** (2016) *Monitoring of hydrological parameters for the identification of shallow landslides triggering: a case study from Northern Italy*. Landslides and Engineered Slopes. Experience, Theory and Practice, 2, 475-482 – Aversa et al. (Eds), 2016 Associazione Geotecnica Italiana, Rome, Italy, ISBN 978-1-138-02988-0. Codice Scopus: 2-s2.0-84984813565.
13. **Persichillo M.G., Bordoni M., Meisina C., Bartelletti C., Giannecchini R, D'Amato Avanzi G., Galanti Y., Cevasco A., Brandolini P., Galve J.P., Barsanti M.** (2016). *Shallow landslides susceptibility analysis in relation to land use scenarios* - Landslides and Engineered Slopes. Experience, Theory and Practice, 3, 1605-1612 – Aversa et al. (Eds), 2016 Associazione Geotecnica Italiana, Rome, Italy, ISBN 978-1-138-02988-0, Codice Scopus: 2-s2.0-84984824853

Congress proceedings

1. **Notti D., Meisina C., Zucca F., Crosetto M. and Montserrat O.** (2012). *Factors that have an influence on time series*. Proc. 'Fringe 2011 Workshop', Frascati, Italy, 19–23 September 2011 (ESA SP-697, ISBN 978-92-9092-261-2).
2. **Notti D., Meisina C., Zucca F. and Colombo A.** (2012). *Models to predict persistent scatterers data distribution and their capacity to register movement along the slope*. Proc. 'Fringe 2011 Workshop', Frascati, Italy, 19–23 September 2011 (ESA SP-697, ISBN 978-92-9092-261-2)
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