

Elenco delle Pubblicazioni

Prof. Maria Rossella Massimino

ARTICOLI SU RIVISTE

MAUGERI M., CASTELLI F., MASSIMINO M.R., VERONA G. (1998). Observed and computed settlements of two shallow foundations on sand. *Journal of Geotechnical and Geoenvironmental Engineering, ASCE*. Vol. 124, Issue 7, July 1998, pp. 595-605. ISSN: 10900241. DOI: 10.1061/(ASCE)1090-0241(1998). **Scopus code: 2-s2.0-0032123294**.

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-0032123294&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=32&citeCnt=21&searchTerm=>).

CARRUBBA P, MASSIMINO M.R. (1998). Resistenza di interfaccia dei geosintetici in condizioni dinamiche. *L'Ingegnere e L'Architetto*. 1-12/1998, pp. 33-36 ISSN: 1125-0615.

CAPILLERI P, MASSIMINO M.R., MAUGERI M. (2001). The ground-motion grade-3 microzonation of Sellano. *Rivista Italiana di Geotecnica*. Vol. XXXV, pp. 97-111 ISSN: 0557-1405.

GRASSO M, MASSIMINO M.R., MAUGERI M. (2001). Remedial works on the foundations of masonry buildings in Sellano. *Rivista Italiana di Geotecnica*. Vol. XXXV, pp. 122-141 ISSN: 0557-1405.

MASSIMINO M.R., MAUGERI M, ZUCCARELLO S. (2001). The grade-2 microzonation of Sellano. *Rivista Italiana di Geotecnica*. Vol. XXXV, pp. 79-96 ISSN: 0557-1405.

BIONDI G, MASSIMINO M.R., MAUGERI M. (2002). Comportamento meccanico della copertura di una discarica in zona sismica. *L'Ingegnere e L'Architetto*. Vol. 1, pp. 61-68 ISSN: 1125-0615.

CAVALLARO A, MASSIMINO M.R., MAUGERI M. (2003). Noto Cathedral: soil and foundation investigation. *Construction and Building Materials Journal*. Vol. 17, Issue 3, pp. 533-541 ISSN: 0950-0618. DOI: 10.1016/S0950-0618(03)00060-6. **Scopus code: 2-s2.0-0345138988**.

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-0345138988&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=25&citeCnt=10&searchTerm=>).

DI PRISCO C, MASSIMINO M.R., MAUGERI M, NICOLOSI M, NOVA R. (2006). Cyclic numerical analyses of Noto Cathedral: soil-structure interaction modelling. *Rivista Italiana di Geotecnica*, Vol. XL, Issue: 2, pp. 49-64, ISSN: 0557-1405.

MAUGERI M, CASTELLI F, MASSIMINO M.R. (2006). Analisi, modellazione e miglioramento sismico delle fondazioni di edifici esistenti. *Rivista Italiana di Geotecnica*. Vol. XL, pp. 48-118 ISSN: 0557-1405. No. 4. (**Relazione su invito** al XXII Convegno Nazionale di Ingegneria Geotecnica, Palermo 22-24 September, 2004).

ABATE G, CARUSO C, MASSIMINO M.R., MAUGERI M. (2008). Evaluation of shallow foundation settlements by an elasto-plastic kinematic-isotropic hardening numerical model for granular soil. *Geomechanics and Geoengineering Journal*. Vol. 3(1), pp. 27-40 ISSN:

1748-6025. DOI: 10.1080/17486020701862174. **Scopus code: 2-s2.0-40449093502.**

(https://www.scopus.com/record/display.uri?eid=2-s2.0-40449093502&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=20&citeCnt=11&searchTerm=)).

ABATE G, MASSIMINO M.R., MAUGERI M, MUIR WOOD D (2010). Numerical modelling of a shaking table test for soil-foundation-superstructure interaction by means of a soil constitutive model implemented in a FEM code. *Geotechnical and Geological Engineering*, Vol. 28; pp. 37-59, ISSN: 0960-3182, doi: 10.1007/s10706-009-9275-y.

Scopus code: 2-s2.0-70350210522. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-70350210522&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=17&citeCnt=12&searchTerm=>).

MASSIMINO M.R., MAUGERI M. (2013). Physical modelling of shaking table tests on dynamic soil-foundation interaction and numerical and analytical simulation. *Soil Dynamic and Earthquake Engineering Journal*. Vol. 49, June 2013, pp. 1–18. ISSN: 02677261. DOI: 10.1016/j.soildyn.2013.01.023. **Scopus code: 2-s2.0-84874762559.**

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-84874762559&origin=resultslist&sort=plf-f&src=s&sid=2EE904145D8230CD2B00CD4256CBEB9.y7ESLndDI8N8cE7qwvy6w%3a70&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=11&citeCnt=11&searchTerm=>).

ABATE G., MASSIMINO M.R., MAUGERI M. (2015). Numerical modelling of centrifuge tests on tunnel-soil systems. *Bulletin of Earthquake Engineering*. DOI: 10.1007/s10518-014-9703-0. ISSN: 1570-761X. Vol. 13, Issue 7 (2015), pp. 1927–1951. **Scopus code: 2-s2.0-84930764192.**

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-84930764192&origin=resultslist&sort=plf-f&src=s&sid=2646803254FD63A8166EA6A935ECC7CA.fM4vPBipdL1BpirDq5Cw%3a190&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=5&citeCnt=5&searchTerm=>).

BIONDI G., MASSIMINO M.R., MAUGERI M. (2015). Experimental study in the shaking table of the input motion characteristics in the dynamic SSI of a SDOF model. *Bulletin of Earthquake Engineering*. Vol. 13, Issue 6, 1 June 2015, pp. 1835–1869. ISSN: 1570761X. DOI: 10.1007/s10518-014-9696-8. **Scopus code 2-s2.0-84939965852.**

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-84939965852&origin=resultslist&sort=plf-f&src=s&sid=2EE904145D8230CD2B00CD4256CBEB9.y7ESLndDI8N8cE7qwvy6w%3a70&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=6&citeCnt=4&searchTerm=>).

Erratum to: Influence of frequency content and amplitude of input motion in DSSI investigated by shaking table tests [Bull Earthquake Eng, DOI 10.1007/s10518-014-9696-8]. *Bulletin of Earthquake Engineering*. Vol. 13, Issue 6, 1 June 2015, Page 1871. ISSN: 1570761X. DOI 10.1007/s10518-015-9729-y. **Scopus code: 2-s2.0-84939988319.**

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-84939988319&origin=resultslist&sort=plf-f&src=s&sid=2EE904145D8230CD2B00CD4256CBEB9.y7ESLndDI8N8cE7qwvy6w%3a70&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=7&citeCnt=0&searchTerm=>).

ABATE G., MASSIMINO M.R. (2016). Dynamic soil-structure interaction by experimental and numerical modelling. *Rivista Italiana di Geotecnica*. Vol. 50, Issue 2, 2016, pp. 44-70. ISSN: 05571405. **Scopus code: 2-s2.0-84982811761.**

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-84982811761&origin=resultslist&sort=plf-f&src=s&st1=mASSIMINO&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=13FC2FADD8F16E39316CDDF65E53DC84.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=2&citeCnt=0&searchTerm=>).

CAPILLERI P.P., MASSIMINO M.R., MOTTA E., RACITI E., TODARO M., FERRAIOLO F., BORTOLUSSI A., DA SILVA DURAN J. (2016). Numerical analysis of a full scale earth reinforced wall: static and seismic behavior. *Rivista Italiana di*

- Geotecnica*. ISSN: 05571405. Vol. 50, Issue 3, 2016, pp. 3-13. **Scopus code: 2-s2.0-84988422227**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-84988422227&origin=resultslist&sort=plf-f&src=s&st1=Massimino&st2=m.r.&nlo=1&nlr=20&nls=count-f&sid=0F91AE7E2783CF44DD9CD91C63F73DEF.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=8&citeCnt=0&searchTerm=>).
- ABATE G., MASSIMINO M.R. (2017). Numerical modelling of the seismic response of a tunnel-soil-aboveground building system in Catania (Italy). *Bulletin of Earthquake Engineering*. ISSN 1570-761X. DOI 10.1007/s10518-016-9973-9. Vol. 15, Issue 1, pp. 469-491. **Scopus code: 2-s2.0-84980042015**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-84980042015&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=m.r.&nlo=1&nlr=20&nls=count-f&sid=5BC5EF1099F353862604D2989B33231D.WIW7NKKC52nnQNxjqAQrlA%3a183&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=1&citeCnt=0&searchTerm=>).
- ABATE G., MASSIMINO M.R. (2017). Parametric analysis of the seismic response of coupled tunnel-soil aboveground building systems by numerical modelling. *Bulletin of Earthquake Engineering*. ISSN 1570-761X. DOI 10.1007/s10518-016-9975-7. Vol. 15, Issue 1, pp. 443-467. **Scopus code: 2-s2.0-84979966281**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-84979966281&origin=resultslist&sort=plf-f&src=s&st1=mASSIMINO&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=13FC2FADD8F16E39316CDDF65E53DC84.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=1&citeCnt=0&searchTerm=>).
- CAPILLERI P.P., MASSIMINO M.R., MOTTA E., TODARO M. (2018). Site seismic response for a strategic building in the city of Messina by two-dimensional finite element analysis. *Annals of Geophysics*, 61, 2, SE218, 2018; DOI: 10.4401/ag-7703. **Scopus code: 2-s2.0-85059495896**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85059495896&origin=resultslist&sort=plf-f&src=s&sid=7c5bf115269affe146aca38b9fb7cc3b&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=7&citeCnt=1&searchTerm=>).
- CAPILLERI P.P., MASSIMINO M.R., MOTTA E., TODARO M. (2018). Two-dimensional site seismic response analysis for a strategic building in Catania. *Annals of Geophysics*, 61, 2, SE219, 2018; DOI: 10.4401/ag-7704. **Scopus code: 2-s2.0-85049212089**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049212089&origin=resultslist&sort=plf-f&src=s&sid=16ad2586f9dc0c81f82d7ff85f7dae03&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=0&citeCnt=1&searchTerm=>).
- CASTELLI F., CAVALLARO A., FERRARO A., GRASSO S., LENTINI V., MASSIMINO M.R. (2018). Dynamic characterization of a test site in Messina (Italy). *Annals of Geophysics*, 61, 2, SE222, 2018; DOI: 10.4401/ag-7707. **Scopus code: 2-s2.0-85049198227**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049198227&origin=resultslist&sort=plf-f&src=s&sid=4b019f7f1448e0bfca236061914630a4&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=5&citeCnt=2&searchTerm=>).
- CASTELLI F., CAVALLARO A., FERRARO A., GRASSO S., LENTINI V., MASSIMINO M.R. (2018). Static and dynamic properties of soils in Catania (Italy). *Annals of Geophysics*, 61,2, SE221, 2018; DOI: 10.4401/ag-7706. **Scopus code: 2-s2.0-85049208703**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049208703&origin=resultslist&sort=plf-f&src=s&sid=5ed6b97b293f35d295fd743df4c3adf6&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=4&citeCnt=2&searchTerm=>).
- FERRARO A., GRASSO S., MASSIMINO M.R. (2018). Site effects evaluation in Catania (Italy) by means of 1-D numerical analysis. *Annals of Geophysics*. 61, 2, SE224, 2018; DOI: 10.4401/ag-7708. **Scopus code: 2-s2.0-85049195339**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049195339&origin=resultslist&sort=plf-f&src=s&sid=1304a9fcef30cd4d7b318d55a319230e&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=1&citeCnt=1&searchTerm=>).
- MASSIMINO M.R., ABATE G., CORSICO S., GRASSO S., MOTTA E. (2018). Dynamic behaviour of coupled soil-structure systems by means of FEM analysis for the seismic risk

mitigation of INGV building in Catania (Italy). *Annals of Geophysics*, 61, 2, SE216, 2018;
DOI: 10.4401/ag-7739. **Scopus code:** 2-s2.0-85049209486
(<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049209486&origin=resultslist&sort=plf-f&src=s&sid=83c2004afb774581d0e5a63191a4bddd&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=3&citeCnt=0&searchTerm=>).

ABATE G., GRASSO S., MASSIMINO M.R. (2019). The role of shear wave velocity and non-linearity of soil in the seismic response of a coupled tunnel-soil-above ground building system. *Geosciences*, Vol. 9, Issue 11, November 2019, Article number 473. ISSN: 2076-3263. DOI: 10.3390/geosciences9110473. **Scopus code:** 2-s2.0-85074815424.
(<https://www.scopus.com/record/display.uri?eid=2-s2.0-85074815424&origin=resultslist&sort=plf-f&src=s&sid=730043085169a031d91aad521b86765b&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=1&citeCnt=0&searchTerm=>).

CAPILLERI P.P., MASSIMINO M.R. (2019). Geotechnical characterization of ash collected during recent eruptions of Mount Etna: from dangerous waste material to environmental friendly resource. *Geomech. Geophys. Geo-energ. Geo-resour.* Volume: 5. Issue: 4; pp: 383-403. ISSN: 2363-8419. DOI: 10.1007/s40948-019-00119-y. **Scopus code:** 2-s2.0-85074203409.
(<https://www.scopus.com/record/display.uri?eid=2-s2.0-85074203409&origin=resultslist&sort=plf-f&src=s&sid=730043085169a031d91aad521b86765b&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=0&citeCnt=0&searchTerm=>).

MASSIMINO M.R., ABATE G., CORSICO S., LOUARN R. (2019). Comparison between two approaches for non-linear FEM modelling of the seismic behaviour of a coupled soil-structure system. *Geotech Geol Eng.* Volume: 37. Issue: 3, pp:1957-1975. DOI: 10.1007/s10706-018-0737-y. **Scopus code:** 2-s2.0-85056337569.
(<https://www.scopus.com/record/display.uri?eid=2-s2.0-85056337569&origin=resultslist&sort=plf-f&src=s&sid=7adcb317720928e88cf73afcbea546a4&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2823969918500%29&relpos=0&citeCnt=0&searchTerm=>).

MASSIMINO M.R., ABATE G., GRASSO S., PITILAKIS D. (2019). Some aspects of DSSI in the dynamic response of fully-coupled soil-structure systems. *Rivista Italiana di Geotecnica.* Volume 1/2019, Pages: 44-70. ISSN: 0557-1405. DOI:10.19199/2019.1.0557-1405.044. **Scopus code:** 2-s2.0-85068406990.
(<https://www.scopus.com/record/display.uri?eid=2-s2.0-85068406990&origin=resultslist&sort=plf-f&src=s&sid=ba63aabb2db240c38b84b668844c013a&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=1&citeCnt=0&searchTerm=>).

ABATE, G., BRAMANTE, S., MASSIMINO, M.R. (2020). Innovative seismic microzonation maps of urban areas for the management of building heritage: a Catania case study. *Geosciences (Switzerland), Special Issue on "Numerical Modeling in Geotechnical Engineering"*, Volume 10, Issue 12, December 2020, Article number 480, Pages 1-22. Open Access. DOI: 10.3390/geosciences10120480. **WOS:000602024200001. Scopus code:** 2-s2.0-85096652262.
(<https://www.scopus.com/record/display.uri?eid=2-s2.0-85096652262&origin=resultslist>).

GRASSO S., MASSIMINO M.R., SAMMITO M.S. (2021). "New Stress Reduction Factor for Evaluating Soil Liquefaction in the Coastal Area of Catania (Italy)". *Geosciences 2021, 11, 12. Pages: 1-27.* <https://doi.org/10.3390/geosciences11010012>. **Scopus code:** 2-s2.0-85098785434. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85098785434&origin=resultslist>)

PITILAKIS D., ANASTASIADIS A., VRATSIKIDIS A., KAPOUNIARIS A., MASSIMINO M.R., ABATE G., CORSICO S. (2021). Large-scale field testing of geotechnical seismic isolation of structures using gravel-rubber mixtures. *Earthquake Engineering and Structural Dynamics*, 2021; pp. 2712-2731. DOI: 10.1002/eqe.3468. **Scopus code:** 2-s2.0-85104668476. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85104668476&origin=resultslist>).

ABATE G., CORSICO S., GRASSO S., MASSIMINO M.R. (2022). An Early-Warning System to Validate the Soil Profile during TBM Tunnelling. *Geosciences (Switzerland)*, 2022, 12(3), 113. ISSN: 20763263. DOI: 10.3390/geosciences12030113. **Scopus code: 2-s2.0-85126652343.** (https://www.scopus.com/record/display.uri?eid=2-s2.0-85126652343&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1).

FIAMINGO A., BOSCO M., MASSIMINO M.R. (2022). Soil-structure interaction effects for a building damaged by the Italian earthquake of December 26, 2018. *Journal of Rock Mechanics and Geotechnical Engineering*. <https://doi.org/10.1016/j.jrmge.2022.06.010>. Open Access. **Scopus code: 2-s2.0-85134783200.** (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85134783200&origin=resultslist&sort=plf-f>).

CAPITOLI DI LIBRI

CAMPOCCIA I, MASSIMINO M.R. (2003). Grade-3 microzonation at Noto. In: *Geotechnical analysis of seismic vulnerability of monuments and historical sites*. Maugeri M., Nova R. Editors. pp. 257-286. ISBN: 88-555-2755-X. Bologna: Pàtron Editore.

CAPILLERI P, MASSIMINO M.R., MAUGERI M. (2003). Site-dependent response spectra at the town of Sellano for the 1997-1998 Umbria-Marche seismic sequence records. In: *Geotechnical analysis of seismic vulnerability of monuments and historical sites*. Maugeri M., Nova R. Editors. pp. 139-168. ISBN: 88-555-2755-X. Bologna: Pàtron Editore.

MASSIMINO M.R., MAUGERI M. (2003). Design spectrum by synthetic accelerograms for Noto Cathedral (Siracusa, Italy). In: *Geotechnical analysis of seismic vulnerability of monuments and historical sites*. Maugeri M., Nova R. Editors. pp. 287-308. ISBN: 88-555-2755-X. Bologna: Pàtron Editore.

MASSIMINO M.R., MAUGERI M. (2003). Retrofitting of the foundation of Noto Cathedral (Italy) according to Eurocodes. In: *Geotechnical analysis of seismic vulnerability of monuments and historical sites*. Maugeri M., Nova R. Editors. pp. 309-330. ISBN: 88-555-2755-X. Bologna: Pàtron Editore.

MASSIMINO M.R. (2005). Experimental and numerical modelling of a scaled soil-structure system. *Advances in Earthquake Engineering*. Vol. 14, 2005, pp. 227-241. ISSN: 1361617X. **Scopus code: 2-s2.0-84888095558.** (<https://www.scopus.com/record/display.uri?eid=2-s2.0-84888095558&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=23&citeCnt=2&searchTerm=>).

MAUGERI M, ABATE G, MASSIMINO M.R. (2012). Soil-structure interaction for seismic improvement of Noto Cathedral (Italy). Special Topics in Earthquake Geotechnical Engineering in Geotechnical, *Geotechnical, Geological and Earthquake Engineering*. Springer. Volume Editors: Sakr M.A., Ansal A ISSN: 15736059. ISBN: 978-940072059-6 (Print) 978-94-007-2060-2 (Online), DOI: 10.1007/978-94-007-2060-2_8. Vol. 16, 2012, pp. 217-239. Invited lecture. ISSN: 1573-6059. **Scopus code: 2-s2.0-84883056794.** (<https://www.scopus.com/record/display.uri?eid=2-s2.0-84883056794&origin=resultslist&sort=plf-f&src=s&sid=2EE904145D8230CD2B00CD4256CBEB9.77ESLndDIsN8cE7qwvy6w%3a70&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=12&citeCnt=2&searchTerm=>).

GRASSI F., MASSIMINO M.R. (2015). The evaluation of kinematic bending moments in a pile foundation using complete 3D finite element modelling. *EARTHQUAKE GROUND MOTION: Input Definition for Aseismic Design*. S. Syngellakis Editor. WIT Press Institute of Technology, Ashurst Lodge, Ashurst, Southampton, UK. ISBN: 978-1-78466-000-0; eISBN: 978-1-78466-001-7. pp: 147-161.

GRASSO S., MASSIMINO M.R. (2019). A GIS for data mining in seismic microzonation studies. Keynote lecture. Smart Innovation, Systems and Technologies

Vol. 142, Issue: 2019, pp. 191-201. ISSN: 2190-3018. DOI: 10.1007/978-981-13-8311-3 17. **Scopus code: 2-s2.0-85069815040.** (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85069815040&origin=resultslist&sort=plf-f&src=s&sid=730043085169a031d91aad521b86765b&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=3&citeCnt=0&searchTerm=>).

ARTICOLI SU ATTI DI CONVEGNI

CASTELLI F, MASSIMINO M.R., MAUGERI M. (1997). Analisi elastoplastica delle deformazioni di una paratia. Atti del *Convegno C.N.R.*, Perugia (Italy). 16-17 Ottobre. Vol. 1, pp. 139-152, ISBN: 88-86977-10-7.

GHERSI A, MASSIMINO M.R., MAUGERI M. (1997). Interazione terreno-struttura in campo sismico per edifici in c.a. con pareti a taglio. 8° Convegno Nazionale ANIDIS, L'Ingegneria Sismica in Italia, Taormina (Italy). 21-24 Settembre. Vol. 2, pp. 961-968.

GHERSI A., MASSIMINO M.R., MAUGERI M. (1999). Soil-foundation-superstructure interaction: effects on the superstructure. Earthquake Resistant Engineering Structures 1999 Conference. *ERES1999*. 15-17 Giugno 1999. Catania, Italy. pp. 605-614, ISBN: 1-85312-689-6; ISSN: 1361-617X.

GHERSI A., MASSIMINO M.R., MAUGERI M. (1999). Soil-foundation-superstructure interaction: effects on the soil. Earthquake Resistant Engineering Structures 1999 Conference. *ERES1999*. 15-17 Giugno 1999. Catania, Italy. pp. 575-584, ISBN: 1-85312-689-6; ISSN: 1361-617X.

MASSIMINO M.R., MAUGERI M. (1999). Non-linear analysis of soil-structure interaction for a building on sand. Proc. *Pre-failure Deformation Characteristics of Geomaterials*. 27-29 Settembre 1999. Torino, Italy; ISBN: 90-5809-0752.

CARRUBBA P, MASSIMINO M.R., MAUGERI M. (2000). Strain dependent impedance in shallow foundations. *12th World Conference on Earthquake Engineering*. 30 Gennaio - 4 Febbraio 2000. (pp. -). Auckland, New Zealand. Paper No. 1623. Su cd-rom.

CUOMO M, MASSIMINO M.R., MAUGERI M. (2000). A damage plastic model for clays with strain rate effects. *Int. Symposium on Plasticity and its current applications*. 17-21 Luglio 2000. Whistler, Canada. pp. 336-338, ISBN: 0-9659463-2-0.

GHERSI A, MASSIMINO M.R., MAUGERI M. (2000). Non-linear moment-rotation relationship at the base of the shear walls. *12th World Conference on Earthquake Engineering*. 30 January - 4 February 2000. (pp. -). Auckland, New Zealand. Paper No. 1952. Su CD-ROM.

CARRUBBA P, MASSIMINO M.R., MAUGERI M. (2001). Dynamic friction of geosynthetic interfaces by shaking table tests. 8th Int. Waste Management and Landfill Symposium, *SARDINIA 2001*. 1-5 Ottobre 2001. S. Margherita di Pula, Cagliari, Italy. Vol. III, pp. 567-576.

MASSIMINO M.R., MAUGERI M. (2001). Numerical analysis of a non-linear soil-structure interaction. 3rd International Conference on Earthquake Resistant Engineering Structures, ERES III; Malaga; Spain; 4-6 September 2001; Editors: Brebbia C.A., Corz A. Code 63141. *Advances in Earthquake Engineering*. Vol. 9, 2001, pp. 539-548. ISBN: 1-85312-874-0; ISSN: 1361-617X. **Scopus code: 2-s2.0-2942679008**.

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-2942679008&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=30&citeCnt=0&searchTerm=>).

MASSIMINO M.R., MAUGERI M, MONSONE C. (2001). Numerical analysis of a municipal solid waste landfill in Lentini (Italy). 8th Int. Waste Management and Landfill Symposium, *SARDINIA 2001*. 1-5 Ottobre 2001. S. Margherita di Pula, Cagliari, Italy. Vol. III, pp. 19-28.

MASSIMINO M.R., MAUGERI M, NOVITA' D. (2001). Experimental and numerical evaluation of the vertical and rocking stiffnesses of a soil-foundation model by shaking-table tests. 4th Int. Conf. on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics. 26-31 Marzo 2001. (pp. -). San Diego, California, USA. Paper No. 6.09. Su cd-rom.

MASSIMINO M.R., MAUGERI M, NOVITA' D. (2001). Valutazione degli effetti delle condizioni locali sulla risposta sismica di una fondazione mediante prove su tavola vibrante. 10^o Convegno Nazionale L'Ingegneria Sismica in Italia, Potenza-Matera. Potenza - Matera. 9-12 Settembre. (pp. -). Su cd-rom.

MASSIMINO M.R., MAUGERI M, VALENTE G. (2001). Comparison between numerical and experimental behaviour of granular soil. 3rd International Conference on Earthquake Resistant Engineering Structures, ERES III; Malaga; Spain; 4 September 2001 through 6 September 2001; Editors: Brebbia C.A., Corz A. Code 63141. *Advances in Earthquake Engineering*. Vol. 9, 2001, pp. 581-586. ISBN: 1-85312-874-0; ISSN: 1361-617X. **Scopus code: 2-s2.0-2942674598**.

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-2942674598&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=m.r.&nlo=1&nlr=20&nls=count-f&sid=0CBF3C8569B9681D46850D02708E0572.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=31&citeCnt=0&searchTerm=>).

LO GRASSO S, MASSIMINO M.R., MAUGERI M. (2002). Dynamic analysis of geosynthetic interfaces by shaking table tests. 7th International Conference on Geosynthetics. 22-27 Settembre 2002. Nice, France, Vol. 4, pp. 1335-1338, ISBN: 90-5809-529-0.

MASSIMINO M.R. (2002). Numerical analysis of geosynthetic reinforced soil subjected to cyclic loads. 7th International Conference on Geosynthetics. 22-27 Settembre 2002. Nice, France. Vol. 4, pp. 1573-1576 (**IGS International Student Award 2002**), ISBN: 90-5809-529-0.

MASSIMINO M.R., MAUGERI M, MUIR WOOD D. (2002). Elasto-plastic modelling of shaking table tests. 14th US National Congress of Theoretical and Applied Mechanics. 23-28 Giugno 2002. Blacksburg, VA, USA. pp. 610-611, ISBN: 0-9721257-0-1.

MASSIMINO M.R., MAUGERI M, VALENTE G. (2002). Elasto-plastic modelling of the Foundation soil for Noto Cathedral (Italy). *9th Int. Symposium PLASTICITY 2002*. 3-9 Gennaio 2002. Aruba, USA. pp. 504-506, ISBN: 0-9659463-3-9.

MAUGERI M, CAPILLERI P, MASSIMINO M.R. (2002). Geotechnical Earthquake Hazards of the Umbria and Marche Regions (Italy). *Risk Analysis III, 2002*. 19-21 Giugno 2002. Sintra, Portugal. pp. 585-596. (**Relazione su invito**); ISBN: 1-85312-915-1, ISSN: 1470-6326.

BIONDI G, MASSIMINO M.R., MAUGERI M, TAYLOR C. (2003). Influence of the input motion characteristics on the dynamic soil-structure interaction by shaking table tests. Fourth International Conference on Earthquake Resistant Engineering Structures, *ERES IV*; Ancona; Italy; 22 September 2003 through 24 September 2003; Editors: Latini G., Brebbia C.A. Code 63142. *Advances in Earthquake Engineering*. Vol.13, 2003, pp. 225-234. ISSN: 1361617X. **Scopus code: 2-s2.0-2942693811**.

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-2942693811&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=24&citeCnt=1&searchTerm=>).

CAPILLERI P, MASSIMINO M.R., MAUGERI M. (2003). Evaluation of the destructive potential of the 1997-1998 earthquake ground motion in the town of Sellano. Fourth International Conference on Earthquake Resistant Engineering Structures, *ERES IV*; Ancona; Italy; 22 September 2003 through 24 September 2003; Editors: Latini G., Brebbia C.A. Code 63142. *Advances in Earthquake Engineering*. Vol. 13, 2003, pp. 305-314. ISSN: 1361617X. **Scopus code: 2-s2.0-84903533835**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-84903533835&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=28&citeCnt=0&searchTerm=>).

CARRUBBA P, MASSIMINO M.R., MAUGERI M. (2003). Soil nonlinear stiffnesses for SSI involving embedded foundations. 11th International Conference on Computational Methods and Experimental Measurements, CMEM XI; Halkidiki; Greece; 12 May 2003 through 14 May 2003; Editors: Brebbia C.A., Carlomagno G.M., Anagnostopoulos P. Code 63547. *COMPUTATIONAL AND EXPERIMENTAL METHODS*. Vol. 4, 2003, pp. 53-62. ISSN: 14667266. **Scopus code: 2-s2.0-4544278809**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-4544278809&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=26&citeCnt=0&searchTerm=>).

GRASSO S, MASSIMINO M.R., MAUGERI M. (2004). Evaluation of the design earthquake at Saint Nicola alla Rena church in Catania (Italy)). *13th World Conference on Earthquake Engineering*. 1-6 Agosto 2004. Vancouver, B.C., Canada. Su cd-rom. Paper No. 1432. ISBN/ISSN: 0-9685376-1-8.

MASSIMINO M.R., MAUGERI M, PERRETTI A. (2004). Analisi non-lineare dell'interazione terreno-fondazione-sovrastuttura per la Cattedrale di San Nicolò a Noto. *XXII Convegno Nazionale di Geotecnica*. Palermo. 22-24 Settembre, 2004. Vol. I, pp. 395-402.

ABATE G, BOSCO M, MASSIMINO M.R., MAUGERI M. (2006). Limit state analysis for the Catania fire-station (Italy). *8th US National Conference on Earthquake Engineering 2006*. San Francisco, CA; United States; 18 - 22 April 2006; Code 92446. ISBN: 978-161567044-4. Vol. 11, 2006, pp. 6532-6541. **Scopus code: 2-s2.0-84865835385**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-84865835385&origin=resultslist&sort=plf-f>

f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-
f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-
ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=22&citeCnt=0&searchTerm=).

ABATE G, MASSIMINO M.R., MAUGERI M. (2006). Soil-plasticity and uplifting in soil-structure interaction. *ETC-12 Workshop*. Athens. 20-21 Gennaio. Edited by G. Bouckovalas. National Technical University of Athens. pp. 249-258.

BOSCO M, MASSIMINO M.R., SCUDERI G. (2006). Effetti delle caratteristiche dell'input sismico su un sistema terreno-fondazione-sovrastuttura. In: *Fondazioni superficiali e profonde. V Convegno Nazionale dei Ricercatori di Ingegneria Geotecnica: Fondazioni superficiali e profonde*. Bari. 15-16 Settembre. Vol. 1, pp. 35-47. BENEVENTO: Hevelius (Italy), ISBN: 88-86977-77-8.

MASSIMINO M.R., MAUGERI M. (2006). Plastic behaviour of soil: modelling and applications to full-scale problems. *12th International Symposium on Plasticity and its Current Applications*. Halifax, Nova Scotia, Canada. 17-22 Luglio, 2006. pp. 190-192. Maryland: Neat Press (USA), ISBN: 0-9659463-6-3.

ABATE G, CARUSO C, MASSIMINO M.R., MAUGERI M. (2007). Validation of a new soil constitutive model for cyclic loading by FEM analysis. *Solid Mechanics and its Applications*. Vol. 146, 2007, pp. 759-768. ISSN: 09250042. Codice Rivista: E156877. DOI: 10.1007/978-1-4020-6146-2_55, **Scopus code: 2-s2.0-84879124710**.
(<https://www.scopus.com/record/display.uri?eid=2-s2.0-84879124710&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=21&citeCnt=5&searchTerm=>).

ABATE G, MASSIMINO M.R., MAUGERI M. (2007). 3-D finite element modeling of a shaking table test for DSSI analysis. In: *Geotechnical Aspects of EC8. XIV Eur. Conf. on Soil Mech. and Geotech. Eng (ISSMGE)*. Special Session of ERTC-12. Madrid, Spagna. 25 Settembre 2007. : Pàtron Editore (Italy), ISBN: 978-88-555-2943-3.

MAUGERI M, CASTELLI F, MASSIMINO M.R. (2007). The contribution of geotechnical engineering to safer design of earthquake resistant building foundation. In: *4th International Conference on Earthquake Geotechnical Engineering*. Thessaloniki, Greece. 25-28, Giugno, 2007. ISBN: 978-1-4020-5892-9. Su CD-Rom.

MAUGERI M, MASSIMINO M.R. (2007). Eurocode 8: proposal for new advancements. Panel Paper. *XIV Eur. Conf. on Soil Mech. and Geotech. Eng. (ISSMGE)*. Madrid. 24-27 Settembre 2007. Rotterdam, The Netherlands: Millpress Science Publishers, Vol. 5, p. 223-228, ISBN/ISSN: 978 90 5966 055 7.

ABATE G, MASSIMINO M.R., MAUGERI M. (2008). Finite element modelling of a shaking table test to evaluate the dynamic behaviour of a soil-foundation system. 2008 Seismic Engineering International Conference Commemorating the 1908 Messina and Reggio Calabria Earthquake, MERCEA 2008; Reggio Calabria; Italy; 8 July 2008 through 11 July 2008. *AIP Conference Proceedings*. Volume 1020, Issue PART 1, 2008, pp. 569-576. ISSN: 0094-243X. **Scopus code: 2-s2.0-84874892563**.
(<https://www.scopus.com/record/display.uri?eid=2-s2.0-84874892563&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=19&citeCnt=14&searchTerm=>).

ABATE G, MASSIMINO M.R., MAUGERI M. (2008). Simulation of shaking table tests to study soil-structure interaction by means of two different constitutive models. *6th Int.*

Conf. on Case Histories in Geotec. Eng. Arlington, VA, USA. August 11-16, 2008, ISBN: #1-8870009-12-4.

ABATE G., MASSIMINO M.R., MAUGERI M. (2009). Embedment effect on seismic performance of soil-structure system. *Performance-Based Design in Earthquake Geotechnical Engineering*. Tsukuba, Japan, 15-18 Giugno, 2009. Kokusho, Tsukamoto & Yoshimine (eds), Taylor & Francis Group, London, ISBN: 978-0-415-55614-9.

ABATE G, MASSIMINO M.R., MAUGERI M (2009). Effects of DSSI on Noto Cathedral behaviour: evaluation by means of FEM analyses. In: *Protection of Historical Buildings, PROHITECH 09*. Roma, 21-24 Giugno 2009, LONDON: Taylor & Francis Group, Vol. 1, p. 87-93, ISBN/ISSN: 978-0-415-55803-7.

GRASSI F, MASSIMINO M.R. (2009). Evaluation of kinematic bending moments in a pile foundation using the finite element approach. 7th International Conference on Earthquake Resistant Engineering Structures, *ERES 2009*; 11-13 May 2009. WIT Transactions on the Built Environment. Vol. 104, 2009, pp. 479-488. ISSN 1743-3509 (on-line); doi:10.2495/ERES090431. **Scopus code: 2-s2.0-71549120688.**

(<https://www.scopus.com/record/display.uri?eid=2-s2.0-71549120688&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=ACF0A8735C93D125127D3287CAA4E43A.wsnAw8kcdt7IPYLO0V48gA%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=18&citeCnt=0&searchTerm=>).

MASSIMINO M.R., SCUDERI G. (2009). Response of a soil-structure system to different seismic inputs. Proc. Earth. Geotechn. Eng. *Satellite Conf. in XVII Int. Conf. on Soil Mech. & Geotechn. Eng.* October 2-3, 2009, Alexandria (Egypt). Mohamed Sakr & Atilla Ansal - TC4 Committee (Eds).

GRASSI F., MASSIMINO M.R. (2010). FEM modeling of a 3D soil-pile system under earthquakes. Proc. *Fifth Int. Conf. on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics and Symposium in Honor of Prof. I.M. Idriss*. May 24-29, 2010, San Diego, California. Paper No. 5.57a, ISBN 1-8870009-16-7.

ABATE G., MASSIMINO M.R., MAUGERI M. (2011). Settlement of sand caused by vertical vibrations: experimental versus numerical results. *Proc. 5th International Conference on Earthquake Geotechnical Engineering*, January 2011, 10-13, Santiago, Chile. Paper SOSAB, 12p., ISBN: 978-956-7141-18-0.

ABATE G., GRASSI F., MASSIMINO M.R. (2011). Effetti sismici connessi alla realizzazione della metropolitana di Catania. *Atti XXIV Convegno Nazionale di Geotecnica: Innovazione tecnologica nell'Ingegneria Geotecnica*. 22-24 giugno 2011, Napoli. Vol. 2, p. 5-12. Edizioni AGI. ISBN: 9788897517047.

GRASSI F., MASSIMINO M.R. (2011). Soil-pile kinematic interaction in an homogeneous deposit within a midway layer is located. *Proc. 15th Eur. Conf. on Soil Mech. & Geotech. Eng.-ERTC_12 Workshop: Evaluation of Geotechnical Aspects of EC8*, September 11, 2011. Athens. Chapter 21. M. Maugeri Ed.. Patron Editore. ISBN: 978-88-555-3124-5.

GRASSI F., MASSIMINO M.R. (2012). Soil-pile kinematic interaction: effect of a midway layer in an homogeneous deposit. *Proc. 2nd Int. Conf. on Performance-Based-Design in Earthquake Geotechnical Engineering*. May 28-30, 2012. Taormina (Italy). Editors Michele Maugeri Claudio Soccodato, Patron Editore Bologna. ISBN: 9788855531788, pp. 1289-1299.

- FIORAVANTE V., GIRETTI D., ABATE G., AVERSA S., BOLDINI D., CAPILLERI P.P., CAVALLARO A., CHAMLAGAIN D., CREPELLANI T., DEZI F., FACCIORUSSO J., GHINELLI A., GRASSO S., LANZO G., MADIAI C., MASSIMINO M.R., MAUGERI M., PAGLIAROLI A., RAINIERI C., TROPEANO G., SANTUCCI DE MAGISTRIS F., SICA S., SILVESTRI F., VANNUCCHI G. (2013). Earthquake Geotechnical Engineering Aspects: The 2012 Emilia-Romagna Earthquake (Italy). *Proc. 7th International Conference on Case Histories in Geotechnical Engineering, Symposium in Honor of Clyde Baker, Conference to Commemorate the Legacy of Ralph B. Peck*. Wheeling, Il (Chicago, Il Area) – April 29-May 4, 2013. ISBN: #1-887009-18-3 (Abstract volume). ISBN: #1-887009-17-5 (CD).
- GRASSI F., MASSIMINO M.R., TREFFILETTI A. (2013). Influenza dell'interazione cinematica sul momento totale per un palo immerso in un terreno con una discontinuità stratigrafica. *Atti XV Convegno ANIDIS, L'Ingegneria Sismica in Italia*. Padova. 30 giugno-4 luglio 2013. Paper No. C3, su CD-Rom. ISBN: 978-88-97385-59-2.
- BANNA G., CAPILLERI P., MASSIMINO M.R., MOTTA E. (2015). Geotechnical characterization of Mount Etna ash for its reuse preserving human health. *Proc. Volcanic Rocks and Soils Isle of Ischia, Italy*, 24-25 September, 2015. pp. 197-204. ISBN 978-1-138-02886-9. **Scopus code 2-s2.0-84949818487**. (<http://www.scopus.com/record/display.uri?eid=2-s2.0-84949818487&origin=resultslist&sort=plf-f&src=s&st1=massimino&st2=m.r.&nlo=1&nlr=20&nls=count-f&sid=E660A823E45318393E8D360276353821.CnvcAmOODVwpVrjSeqQ%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=0&citeCnt=0&searchTerm=AU-ID%28%5C%26quot%3BMassimino%2C+Maria+Rossella%5C%26quot%3B+36916732800%29>).
- FERRARO A., GRASSO S., MASSIMINO M.R. (2015). Site Response Analysis and Liquefaction Hazard Evaluation at the Catania Harbour (Italy). *3rd Intern. Conf. on the Flat Dilatometer*, 14-16 June 2015, Rome. ISBN: 979-12-200-0116-8. pp. 317-324.
- FERRARO A., GRASSO S., MASSIMINO M.R., MAUGERI M. (2015). Influence of geotechnical parameters and numerical modelling on local seismic response analysis. *Geotechnical Engineering for Infrastructure and Development - Proceedings of the XVI European Conference on Soil Mechanics and Geotechnical Engineering, ECSMGE 2015*, Vol. 4, 2015, pp. 2183-2188. (16th European Conference on Soil Mechanics and Geotechnical Engineering, *ECSMGE 2015*; Edinburgh International Conference Center Edinburgh; United Kingdom; 13-17 September 2015; Code 119736). ISBN 978-0-7277-6067-8. doi:10.1680/ecsmge.60678. **Scopus code: 2-s2.0-84964466742**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-84964466742&origin=resultslist&sort=plf-f&src=s&sid=2EE904145D8230CD2B00CD4256CBEB9.y7ESLndDIsN8cE7qwvy6w%3a70&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=9&citeCnt=0&searchTerm=>)
- FERRARO A., GRASSO S., MASSIMINO M.R., MOTTA E. (2015). The local site response for upgrading the existing buildings against seismic hazard. *Ten World Conference on Earthquake Resistant Engineering Structures. ERES X*. 29 June-1 July. Opatija, Croatia. Print ISBN: 978-1-84564-966-1; eISBN: 978-184564-967-8. ISSN: 1746-4498 Digital ISSN: 1743-3509. DOI: 10.2495/ERES15014. pp. 171-182.
- MASSIMINO M.R., BIONDI G. (2015). Some experimental evidences on dynamic soil-structure interaction. *5th ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, COMPDYN 2015*. M. Papadrakakis, V. Papadopoulos, V. Plevris (eds.). Crete Island, Greece, 25–27 May 2015. Code 113952. ISBN: 978-960-99994-7-2. pp. 2761-2774. **Scopus code: 2-s2.0-84942278686**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-84942278686&origin=resultslist&sort=plf-f>)

f&src=s&sid=2EE904145D8230CD2B00CD4256CBEB9.y7ESLndDI8N8cE7qwvy6w%3a70¬=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=8&citeCnt=5&searchTerm=).

PITILAKIS D., ROVITHIS E., MASSIMINO M.R., GATTO M. (2015). Numerical Simulation of Large-Scale Soil-Foundation-Structure Interaction Experiments In The EuroProteas Facility. *6th International Conference on Earthquake Geotechnical Engineering 6ICEGE*, 1-4 November 2015, Christchurch, New Zealand. Paper N. 401. DOI: 10.13140/RG.2.2.20002.43203.

ABATE G., CORSICO S., MASSIMINO M.R. (2016). Effects of the geotechnical knowledge levels on the definition of the design seismic input for a school in Catania (Italy). *VI Italian Conference of Researchers in Geotechnical Engineering – Geotechnical Engineering in Multidisciplinary Research: from Microscale to Regional Scale, CNRIG2016*. Procedia Engineering. ISSN: 1877-7058. Vol. 158 (2016), pp. 368 – 373. **Scopus Code: 2-s2.0-84988416321**. (https://www.scopus.com/record/display.uri?eid=2-s2.0-84988416321&origin=resultslist&sort=plf-f&src=s&st1=Massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=13FC2FADD8F16E39316CDDF65E53DC84.wsnAw8kcdt7IPYLO0V48gA%3a53¬=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=7&citeCnt=0&searchTerm=)).

ABATE G., CORSICO S., MASSIMINO M.R. (2016). Fem modelling of the seismic behavior of a tunnel-soil-aboveground building system: a case history in Catania (Italy). *VI Italian Conference of Researchers in Geotechnical Engineering – Geotechnical Engineering in Multidisciplinary Research: from Microscale to Regional Scale, CNRIG2016*. Procedia Engineering. ISSN: 1877-7058. Vol. 158 (2016), pp. 380 – 385. DOI: 10.1016/j.proeng.2016.08.459. **Scopus code: 2-s2.0-84988432772**. (https://www.scopus.com/record/display.uri?eid=2-s2.0-84988432772&origin=resultslist&sort=plf-f&src=s&st1=Massimino&st2=m.r.&nlo=1&nlr=20&nls=count-f&sid=0F91AE7E2783CF44DD9CD91C63F73DEF.wsnAw8kcdt7IPYLO0V48gA%3a323¬=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=6&citeCnt=0&searchTerm=)).

ABATE G., MASSIMINO M.R., ROMANO S. (2016). Finite element analysis of DSSI effects for a building of strategic importance in Catania (Italy). *VI Italian Conference of Researchers in Geotechnical Engineering – Geotechnical Engineering in Multidisciplinary Research: from Microscale to Regional Scale, CNRIG2016*. Procedia Engineering. ISSN: 1877-7058. Vol. 158, 2016, pp. 374-379. **Scopus code: 2-s2.0-84988316957**. (https://www.scopus.com/record/display.uri?eid=2-s2.0-84988316957&origin=resultslist&sort=plf-f&src=s&st1=Massimino&st2=m.r.&nlo=1&nlr=20&nls=count-f&sid=0F91AE7E2783CF44DD9CD91C63F73DEF.wsnAw8kcdt7IPYLO0V48gA%3a323¬=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=5&citeCnt=0&searchTerm=)).

CARUSO, S., FERRARO, A., GRASSO, S., MASSIMINO, M.R. (2016). Site response analysis in eastern Sicily based on direct and indirect vs measurements. *1st IMEKO TC4 International Workshop on Metrology for Geotechnics, MetroGeotechnics 2016*; Benevento; Italy; 17 March 2016 through 18 March 2016; Editors: Pasquale Daponte, Armando Lucio Simonelli. Code 121564. ISBN: 978-929900750-1. pp. 115-120. **Scopus code: 2-s2.0-84973861039**. (https://www.scopus.com/record/display.uri?eid=2-s2.0-84973861039&origin=resultslist&sort=plf-f&src=s&st1=Massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=FF1BEFFCC8EBC67B23F0A7774F31CD37.aXczxbyuHHiXgalW6Ho7g%3a53¬=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=0&citeCnt=0&searchTerm=)).

CASTELLI, F., GRASSO, S., LENTINI, V., MASSIMINO, M.R. (2016). In situ measurements for evaluating liquefaction potential under cyclic loading. *1st IMEKO TC4 International Workshop on Metrology for Geotechnics, MetroGeotechnics 2016*; Benevento; Italy; 17 March 2016 through 18 March 2016; Editors: Pasquale Daponte, Armando Lucio Simonelli. Code 121564. ISBN: 978-929900750-1. pp. 79-84. **Scopus**

code 2-s2.0-84973879732. (https://www.scopus.com/record/display.uri?eid=2-s2.0-84973879732&origin=resultslist&sort=plf-f&src=s&st1=Massimino&st2=M.R.&nlo=1&nlr=20&nls=count-f&sid=FF1BEFFCC8EBC67B23F0A7774F31CD37.aXczxbyuHHiXgalW6Ho7g%3a53&sot=anl&sdt=aut&sl=46&s=AU-ID%28%22Massimino%2c+Maria+Rossella%22+36916732800%29&relpos=1&citeCnt=0&searchTerm=)).

ABATE G., CASTELLI F., CORSICO S., GRASSO S., MASSIMINO M.R. (2017). Livelli di conoscenza geotecnica e miglioramento sismico: un caso reale. *Proc. XXVI Convegno Nazionale di Geotecnica "L'ingegneria geotecnica nella conservazione e tutela del patrimonio costruito"*. 20-22 Giugno 2017, Roma. Volume 2. ISBN 978-88-975-17-09-2, pp. 371-378.

ABATE G., CORSICO S., GRASSO S., MASSIMINO M.R. (2017). Fem analysis for the seismic risk mitigation of a school building in Catania (Italy) through a coupled soil-structure system approach. *Proc. 36° Convegno Nazionale, Gruppo Nazionale di Geofisica della Terra Solida*. 14-16 Novembre 2017, Trieste. Vol. 2, pp. 325-329. ISBN 978-88-940442-5-6.

ABATE G., CORSICO S., MASSIMINO M.R. (2017). Analisi FEM dinamica di un sistema galleria-terreno-struttura. *Proc. XXVI Convegno Nazionale di Geotecnica "L'ingegneria geotecnica nella conservazione e tutela del patrimonio costruito"*. 20-22 Giugno 2017, Roma. Volume 2. ISBN 978-88-975-17-09-2, pp. 379-386.

ABATE G., GATTO M., MASSIMINO M.R., PITILAKIS D. (2017). Large scale soil-foundation-structure model in Greece: dynamic tests vs FEM simulation. *Proc. 6th Eccomas Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering. COMPDYN 2017. M. Papadrakakis, M. Fragiadakis (Eds.)*. Rhodes Island, Greece, 15–17 June 2017. 1: 1347-1359. ISBN: 978-618828441-8. DOI: 10.7712/120117.5497.16830. **Scopus code 2-s2.0-85042496403.**

(https://www.scopus.com/record/display.uri?eid=2-s2.0-85042496403&origin=resultslist&sort=plf-f&src=s&st1=proceedings+of+6th+International+Conference+on+Computational+Methods+in+Structural+Dynamics+and+Earthquake+Engineering&nlo=&nlr=&nls=&sid=a35657570ff5a30436fe063aa4ab93b5&sot=b&sdt=cl&cluster=scoexactsrctitle%2c%22Compdyn+2017+Proceedings+Of+The+6th+International+Conference+On+Computational+Methods+In+Structural+Dynamics+And+Earthquake+Engineering%22%2ct%2bscopubyr%2c%222017%22%2ct%2bscosubtype%2c%22cp%22%2ct%2bscosubjabbr%2c%22EART%22%2ct&sl=123&s=ALL%28proceedings+of+6th+International+Conference+on+Computational+Methods+in+Structural+Dynamics+and+Earthquake+Engineering%29&relpos=210&citeCnt=0&searchTerm=)).

CASTELLI F., LENTINI V., CAVALLARO A., FERRARO A., GRASSO S., MASSIMINO M.R., CARUSO S. (2017). Caratterizzazione geotecnica e risposta sismica locale dell'area del monastero dei benedettini a Catania. *Proc. XXVI convegno nazionale di geotecnica "l'ingegneria geotecnica nella conservazione e tutela del patrimonio costruito"*. 20-22 Giugno 2017, Roma. Volume 2. ISBN 978-88-975-17-09-2, pp 507-515.

ABATE G., CORSICO S., GRASSO S., MASSIMINO M.R., PULEJO A. (2018). A new simple methodology to refine soil profile during tunnelling: the Catania case history. *proc. 16th European Conference on Earthquake Engineering (16ECEE)*. Thessaloniki (GR). 18-21 June, 2018. Paper ID: 10545.

ABATE G., BRAMANTE S., CORSICO S., GRASSO S., MASSIMINO M.R. (2019). An innovative seismic SSI zonation for the city of Catania (Italy). *Proc. XVIII Convegno Anidis, L'Ingegneria Sismica in Italia*. 15-17 Settembre 2019, Ascoli Piceno (Italy). Paper: SS06_55. Torrossa Online Digital Bookstore. 2019 Pisa University Press. ID: 4548121.

ABATE G., CORSICO S., GRASSO S., MASSIMINO M.R., PULEJO A. (2019). Analysis of the vibrations induced by a TBM to refine soil profile during tunnelling: the Catania

- case history. *Tunnels and Underground Cities: Engineering and Innovation meet Archaeology, Architecture and Art. Proc. of the WTC 2019 ITA-AITES World Tunnel Congress 2019*, pp. 567-576. Naples; Italy; 3 May 2019 through 9 May 2019; Code 226789, ISBN: 978-1-138-38865-9. DOI: 10.1201/9780429424441-60. **Scopus code: 2-s2.0-85068360545.** (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85068360545&origin=resultslist&sort=plf-f&src=s&sid=ba63aabb2db240c38b84b668844c013a&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=2&citeCnt=0&searchTerm=>).
- ABATE G., CORSICO S., MASSIMINO M.R. (2019). Behaviour of coupled tunnel-soil-aboveground building systems in seismic conditions evaluated by means of parametric analyses. *Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions- Proceedings of the 7th International Conference on Earthquake Geotechnical Engineering, 2019*, pp. 985-992, Code 237349. Roma (IT). 17-20 June 2019. Silvestri & Moraci (Eds) © 2019 Associazione Geotecnica Italiana, Rome, Italy. ISBN: 978-0-367-14328-2. **Scopus code: =2-s2.0-85081175692.** (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85081175692&origin=resultslist&sort=plf-f&src=s&sid=26d0f33253a2c7a2eccb1a841c681b6e&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836916732800%29&relpos=4&citeCnt=0&searchTerm=>).
- GRASSO S., DI BENEDETTO C., FERRARO A., MASSIMINO M.R., CAVALLARO A. (2019). A comparative study on seismic response analysis of soils using different numerical codes. *Proc. ECSMGE2019*. Reykjavik, Iceland. 1st - 6th of September 2019. *Geotechnical Engineering foundation of the future*. ISBN: 978-9935-9436-1-3. DOI: 10.32075/17ECSMGE-2019-0904.
- ABATE G., BRAMANTE S., GRASSO S., MASSIMINO M.R. (2021). Nuove mappe di microzonazione del territorio urbano per la mitigazione del rischio sismico alla luce dei fenomeni di interazione terreno-struttura: il caso di Catania. *Proc. XXVII Convegno Nazionale di Geotecnica*. 13-15 Luglio 2022, Reggio Calabria, Italy. In: *La Geotecnica per lo sviluppo sostenibile del territorio e per la tutela dell'ambiente – N. Moraci e C. Soccodato*, ©2021 Associazione Geotecnica Italiana, Roma, Italia, ISBN: 978-88-97517-14-6. Vol. 2, pp. 503-510.
- ABATE G., CORSICO S., MASSIMINO M.R. (2021). The role of the soil heterogeneity in the seismic response of tunnel-soil systems. *Proc. 1st Croatian Conference on Earthquake Engineering, 1CroCEE, Zagreb, Croatia - March 22nd to 24nd, 2021, Edited by Laksusic, S. and Atalic, J., Copyright © 2021 CroCEE*. Online Conference. ISBN: 978-953-8168-47-5. DOI: <https://doi.org/10.5592/CO/1CroCEE.2021.91>.
- GRASSO S., MASSIMINO M.R., SAMMITO M.S. (2021). Evaluation of the Shear Stress Reduction Factor for the Liquefaction Potential in the Catania Area (Italy). *Proc. 6th International Conference on Geotechnical and Geophysical Site Characterization*. 26-29 Settembre 2021, Budapest, Hungary. Paper N. ISC 2020-289.
- GRASSO S., MASSIMINO M.R., SAMMITO M.S. (2021). Valutazione del coefficiente di riduzione della tensione di taglio per il potenziale di liquefazione nell'area urbana di Catania. *Proc. XXVII Convegno Nazionale di Geotecnica*. 13-15 Luglio 2022, Reggio Calabria, Italy. In: *La Geotecnica per lo sviluppo sostenibile del territorio e per la tutela dell'ambiente – N. Moraci e C. Soccodato*, ©2021 Associazione Geotecnica Italiana, Roma, Italia, ISBN: 978-88-97517-14-6. Vol.2, pp. 849-856.
- ABATE G., ANASTASIADIS A., MASSIMINO M. R., VRATSIKIDIS T., PITILAKIS D. (2022). Influence of rubberized soil underneath the foundation of a structure investigated by dynamic large-scale tests. *Proc. 20th International Conference on Soil Mechanics and*

Geotechnical Engineering. Rahman and Jaksa (Eds) © 2022 Australian Geomechanics Society, Sydney, Australia, ISBN 978-0-9946261-4-1. 1-5 May 2022, Sydney, Australia.

ABATE G., CORSICO S., FIAMINGO A., GRASSO S., MASSIMINO M.R. (2022). Evaluation of soil- structure interaction phenomena for the preservation of the historical main office building of Catania University (Italy). *Proc. 3rd International Symposium on Geotechnical Engineering for the Preservation of Monuments and Historic Sites – TC301 – IS Napoli 2022*. 22-24 June 2022, Napoli, Italia. Lancellotta, Viggiani, Flora, de Silva & Mele (Eds) © 2022 Copyright the Editor(s), ISBN 978-1-003-30886-7 Open Access: www.taylorfrancis.com, CC BY-NC-ND 4.0 license. pp: 823-835. DOI: 10.1201/9781003308867-63. **Scopus code: 2-s2.0-85145969250**. (<https://www.scopus.com/record/display.uri?eid=2-s2.0-85145969250&origin=resultslist&sort=plf-f>).

FIAMINGO A., MASSIMINO M.R. (2022). The effects of soil conditions on the structural damage to a building. *3rd European Conference on Earthquake Engineering & Seismology*. Bucharest, Romania, 2022. Editors: Arion C., Scupin A., Tigănescu A., Copyright © 2022, PUBLISHING Conspress & editors, ISBN 978-973-100-533-1.

TESI DI DOTTORATO

MASSIMINO M.R. (1999). Analisi non-lineare dell'interazione terreno-fondazione-sovrastuttura mediante un nuovo codice FEM. Catania: (Italy). *Tesi per il conseguimento del titolo di Dottore di Ricerca in Ingegneria Geotecnica*, Febbraio 1999 (**Premio Troiano 2002**).

ALTRO

MASSIMINO M.R., MAUGERI M. (1997). Cedimenti di una fondazione su pali: monitoraggio ed analisi. *CNR 1997*, Roma. 23-24 Gennaio 1997.

MASSIMINO M.R., MAUGERI M., NOVITA' D. (2001). Validation of numerical rocking of shallow foundation by means of shaking table tests. 10th Int. Conf. on Soil Dynamics and Earthquake Engineering, Philadelphia, Pennsylvania, USA. 7-10 Ottobre. Presentata Oralmente. *Pubblicata in proprio*.

BIONDI G., MASSIMINO M.R. (2002). Static and dynamic modelling of soil-shallow foundation-overstructure interaction. Research Report in the framework of an ECOLEADER Project. *Pubblicata in proprio*.

MAUGERI M., MASSIMINO M.R. (2002). New Geotechnical Trends on Design of Structures for Earthquake Resistance: European Experiences. In: *A toolbox for global disaster reduction ALPHA EDITION*. February 2002. A product of the Global Alliance for Disaster Reduction.

MASSIMINO M.R., MAUGERI M. (2004). Modellazione numerica di prove su tavola vibrante per lo studio dei fenomeni di interazione terreno-struttura. *IARG 2004*, Trento. 7-9 Luglio.

MASSIMINO M.R., MAUGERI M. (2006). Comportamento all'interfaccia terreno-fondazione: effetti sulla progettazione sismica delle strutture. *IARG 2006*, Pisa, 26-28 Giugno, 2006.

- ABATE G., MASSIMINO M.R. (2007). Modellazione numerica 3-D di prove su tavola vibrante per un sistema terreno-fondazione-sovrastuttura. *IARG 2007*. Salerno, 4-6 Luglio, 2007.
- ABATE G., MASSIMINO M.R. (2008). Effetti della profondità del piano di posa di una fondazione superficiale sul comportamento in campo sismico di un sistema fondazione-terreno. *IARG 2008*. Catania, 15-17 Settembre, 2008. BOLOGNA: Pàtron Editore, vol., ISBN/ISSN: 978-88-555-3011-8.
- GRASSI F., MASSIMINO M.R. (2008). Primi risultati su uno studio d'interazione cinematica palo-terreno mediante approccio FEM. *IARG 2008*. Catania, 15-17 Settembre, 2008. BOLOGNA: Pàtron Editore, vol. -, ISBN/ISSN: 978-88-555-3011-8.
- GRASSI F., MASSIMINO M.R. (2009). Analisi parametrica per lo studio dell'interazione cinematica di un palo immerso in un terreno stratificato, mediante approccio FEM. In: *IARG2009*. Roma, 9-11 settembre 2009.
- ABATE G., GRASSI F., MASSIMINO M.R. (2013). Analisi dell'interazione terreno-struttura in presenza di strutture sotterranee. *IARG 2013*, 16-18 settembre 2013, Perugia. ISBN: 9788890642135.
- CAMPIONE F., CAPILLERI P., MASSIMINO M.R., MAUGERI M. (2013). Terremoto dell'Emilia Romagna 2012: risposta sismica locale sulla base di prove SDMT. *IARG 2013*, 16-18 settembre 2013, Perugia. DOI: 10.13140/2.1.5158.4969. ISBN: 9788890642135.
- MAUGERI M., ABATE G., AVERSA S., BOLDINI D., DEZI F., FIORAVANTE V., GHINELLI A., MASSIMINO M.R., SANTUCCI DE MAGISTRIS F., SICA S., SILVESTRI F., VANNUCCHI G. (2013). Linee di indirizzo per interventi su edifici industriali monopiano colpiti dal terremoto della pianura padana emiliana del maggio 2012 non progettati con criteri antisismici: aspetti geotecnici. *Dipartimento della Protezione Civile della Presidenza del Consiglio dei Ministri e Regione Emilia Romagna*, maggio 2013.
- CAPILLERI P.P., MASSIMINO M.R., MOTTA E., TODARO M., RACITI E. (2015). Studio sperimentale del comportamento di un terreno incoerente in stato passivo soggetto a un carico applicato da una piastra rigida. *Atti IARG_2015*, 24-26 June, 2015. ISBN: 978-88-97517-078.
- ABATE G., ANASTASIADIS A., MASSIMINO M.R., PITILAKIS D. (2021). Gravel-rubber mixtures underneath foundations for an eco-friendly mitigation of the seismic risk of structures: large-scale tests. *Atti IARG, 2021*. 28 Settembre 2021 – 29 Novembre 2021 (online). Edizioni AGI, Roma. ISBN: 9788897517153.