

Born in Milan (November 9th, 1964), graduated cum laude in Civil Engineering at the Milan University of Technology (Politecnico). In November 1993, discussed in Rome his PhD Thesis. Since March 2006 is Full Professor in Geotechnical Engineering at the Department of Structural Engineering of the Milan University of Technology. Since 2001 he is member of the Committee Board of the Doctorate School in Earthquake and Geotechnical Engineering of the Milan University of Technology, and of the Doctorate School in Geotechnical Engineering of the Torino University of Technology. He has been involved in a large number of national research groups as well as European groups. Since October 2004 is member of the Committee Board of AGI-IGS. Since October 2005 he is the Director of Alert Geomaterials Association. Up today, the scientific activity of Professor Claudio di Prisco has been mainly oriented to the study of Soil Mechanics, with particular attention to anisotropy of granular materials, volumetric instabilities of loose sands (liquefaction), localisation and soil-structure interaction. Professor Claudio di Prisco is author of about 70 scientific publications

Here in the following a list of papers published on topics related to static liquefaction of loose sands and related subjects is reported. In the first list papers published on either International Journals or volumes with review are collected, whilst in the second one papers published on International conference proceedings.

INTERNATIONAL JOURNALS

1. Lanier J., di Prisco C., Nova R. (1991) : "Etude experimentale et analyse théorique de l' anisotropie induite du sable d' Hostun", Rev. Franç. Geotech. n.57, pp. 59-74
2. di Prisco C., Nova R. (1992) "Stress dilatancy of sand at small stress ratio states" Discussion, Soils and Foundations, 31, 2, pp.184-187
3. di Prisco C., Nova R., Lanier J. (1993) "A mixed Isotropic-kinematic hardening constitutive law for sand", Modern Approaches to Plasticity, D. Kolymbas ed., Elsevier App. Sc., pp-83-124
4. di Prisco C., Nova R. (1994) "Stability problems related to static liquefaction of loose sand", Localisation and Bifurcation Theory for Soils and Rocks, Chambon et al. eds, Balkema, Rotterdam pp.59-72
5. di Prisco C., Matiotti R., Nova R. (1995) "Theoretical investigation of the undrained stability of shallow submerged slopes", Geotech. 45, No.3, pp.479-496
6. di Prisco C. (1996) "A Mathematical Interpretation of the Volumetric Instability of Loose Sands", Comp. and Geotech., Vol.18, No. 3, pp. 225-244
7. di Prisco C., Imposimato S. (1996) "Time dependent mechanical behaviour of loose sands", Mechanics of Cohesive-frictional Materials, Vol.I, N.1, pp.45-74
8. di Prisco C., Imposimato S. (1997) "Experimental Analysis and Theoretical Interpretation of Triaxial Load Controlled Loose Sand Collapses", Mechanics of Cohesive-frictional Materials, Vol.2, pp. 93-120
9. Crosta G., di Prisco C. (1999) "On slope instability induced by seepage erosion", Can. Geotech. J. 36, pp. 1-18
10. di Prisco C., Imposimato S. (2000) "The influence of Time derivative terms on the mechanical behaviour of Loose sands" Proc. 3rd Euroconference on Constitutive Modelling of Granular Materials, Horton 29/6 – 3/7 1999, pp. 304-318 Balkema, Rotterdam
11. di Prisco C., Imposimato S., Vardoulakis I. (2000) "Mechanical Modelling of Drained Creep Triaxial Tests on Loose sand" Geotechnique 50, No.1, 73-82
12. di Prisco C, Pastor M. (2000) "Constitutive Equations in Plasticity", in Constitutive Modelling of Geomaterials, B. Cambou & C. di Prisco eds., Rev. Franç. Geotech. Vol.4, n.5/2000, Hermes editor
13. di Prisco C., Aifantis E., Imposimato S. (2002) "A visco-plastic constitutive model for granular soils modified according to non-local and gradient approaches" Int. Jour. Num. Anal. Meth. Geomech. 26, pp. 121-138
14. di Prisco C. Imposimato S. (2002) Static Liquefaction of a saturated loose sand stratum IUTAM, Conf. – Austin 2001 International Journal of Solids and Structures 39, pp. 3523-3541
15. di Prisco C., Imposimato S. (2003) "Non Local numerical analyses of strain localisation in dense sand", Mathematical and Computer Modelling 37, pp 497-506
16. di Prisco C., Zambelli C. (2003) "Cyclic and dynamic mechanical behaviour of granular soils: experimental evidence and constitutive modelling" Geodynamics and Cyclic Modelling, L. Daudeville & C. di Prisco eds., Rev. Franç. Geotech. , Hermes editor pp.881-910
17. C. DI PRISCO, M. STUPAZZINI AND C. ZAMBELLI (2007) "Non-linear SEM numerical analyses of dry dense sand specimens under rapid and dynamic loading" Int. J. Num. Anal. Meth. Geomech., 31 : 757-788
18. G. Cocchetti, C. di Prisco, A. Galli (2008) "Soil-pipeline interaction along active fault systems" International Journal of offshore and Polar Engineering Vol.18, No.3, pp.211-219

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19. di Prisco C., Nova R. (1992) "Isotropic versus kinematic hardening in the mathematical modelling of soil behaviour", Proc. Third Int. Conf. on Computational Plasticity, Barcelona 6-10 April 1992, Vol.I, pp.25-32
20. di Prisco C., Calvetti F. (1993) "Fabric evolution of granular materials: a numerical approach", First Forum of Young European Researchers, 18-23/7 1993, pp.115-120
21. di Prisco C., Nova R. (1995) "Effect of induced anisotropy on the behaviour of sands and their modelling via strainhardening Plasticity", V Int. Symp. on Plasticity, July 17-21 1995, pp.515-518
22. Matiotti R., di Prisco C., Nova R. (1995) "Experimental observations on static liquefaction of loose sand", First Int. Conf. on Earthquake Geotechnical Engineering, Ishihara (ed.), Balkema Rotterdam, pp. 817-822
23. di Prisco C., Calvetti F. (1995) "Analytical and numerical instability of drained tests in loose saturated sands", First Int. Conf. on Earthquake Geotechnical Engineering, Ishihara (ed.) Balkema, Rotterdam, pp. 869-874
24. di Prisco C., Imposimato S., Nova R. (1999) "Sand specimen undrained mechanical response to instantaneous load increments", Proc. 7th Int. Symp. Plasticity '99 on Constitutive and Damage Modelling of Inelastic Deformation and Phase Transformation - Cancun 5-13 January 1999
25. di Prisco C., Aifantis E. (1999) "Plasticity and Gradient Theory: An approach for granular materials", Proc. 7th Int. Symp. Plasticity '99 on Constitutive and Damage Modelling of Inelastic Deformation and Phase Transformation - Cancun 5-13 January 1999, pp.553-557
26. di Prisco C., Imposimato S. (2003) "Flow slides in dry loose sand deposits" Proc. Int. Conf. On Fast Slope Movements - Prediction and Prevention for Risk mitigation, Naples May 11-13 2003, Editor L. Picarelli Patron Ed. p. 157-162
27. Zambelli C., di Prisco C., Imposimato S. (2004) "A cyclic elasto-viscoplastic constitutive model: theoretical discussion and validation" presentato al congresso International Conference on "Cyclic Behaviour of Soils and Liquefaction Phenomena" Bochum, Germany, 31 March - 02 April 2004

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