

Curriculum vitae

Professor Claudio Giulio di Prisco



Personal Information

Name: Claudio Giulio di Prisco

Nationality: Italian

Date of Birth: 9/11/1964

Current position: Full Professor of Soil Mechanics and Slope Stability
Politecnico di Milano, Italy

Education

-**1993**: Ph.D. in Geotechnical Engineering, Politecnico di Milano, Milano, Italy. Discussion of the Ph.D thesis in Rome. Dissertation title: "The anisotropy of sands: experimental investigation and mathematical modeling" (in Italian).

-**1989**: Admitted to the Vth cycle of Doctorate in Geotechnical Engineering

-**1989**: M.Sc. in Civil Engineering. Politecnico di Milano, Milano, Italy. Dissertation title: "A constitutive model of the anisotropic mechanical behaviour of sands". Graduated with full marks and summa cum laude.

-**1983**: High School Degree (Liceo Classico) Liceo Ginnasio G. Parini

Academic appointment and employment history

-**2006**: Full Professor of Geotechnics at Politecnico di Milano

-**2000**: Associate Professor of Geotechnics at Politecnico di Milano

-**1997-1999**: Temporary Professor of Geotechnics at Politecnico di Milano

-**1996**: Temporary professor of Slope Stability at Politecnico di Milano

-**1992**: Assistant professor of Geotechnics at Politecnico di Milano (Department of Structural Engineering)

International Research activities

-**1990**: Visiting young researcher, for an eight months period, at the Laboratory 3S-R, Université J. Fourier, Grenoble, (France). Experimental research under the supervision of Prof. F. Darve and Prof. J.Lanier

-**1994**: Visiting researcher at Imperial College of London (UK) (1 month)

Institutional charges

-Member of the Board of the Doctoral School of the Structural Engineering Department of Politecnico di Milano

-Member of the Board of the Doctoral School in Geotechnical Engineering of Politecnico di Torino.

-Responsible for ERASMUS students for the Civil, Environmental and Territorial School of Politecnico di Milano

Main research fields

- Study of the anisotropy of the mechanical behaviour of sands
- Experimental and theoretical analysis of the phenomenon of static liquefaction of loose sands
- Theoretical analysis of the unstable response of non-associated elasto-plastic strain-hardening materials
- Time dependence of the mechanical behaviour of soils
- Constitutive modeling of granular materials by taking into account the granular temperature state variable
- Experimental and theoretical study of the mechanical behavior of lightweight granular materials
- Study of the mechanical behavior of cemented materials
- Numerical analysis of the phenomenon of localization in geotechnical materials by means of non-local approaches
- Compaction bands in porous natural materials: experimental, numerical and theoretical issues
- Numerical and theoretical analysis of the response of natural slopes under seismic actions**
- Analysis of the interaction between soil and buried pipelines along landslide**
- Design for piles for landslide prevention**
- Design of superficial anchored nets for the stabilization of natural slopes**
- Impacts of rock boulders on sand strata**
- Design of sheltering structures (artificial tunnels)**
- Experimental and theoretical analysis of the mechanical behaviour of shallow foundations under cyclic/dynamic actions
- Analyses and design of the hydro-mechanical response of geo-encased columns.**
- Design of fiber-glass inclusions for the reinforcement of tunnel faces**
- Design of piled earth embankments**

Participation to and management of funded research projects

- 2013-21:** Project RELUIS: "Seismic landslides" - "Study of the propagation of landslides".
- 2018-2021:** Project CARIPLO DARFLIS: "Propagation of fast landslides"
- 2018-2021:** Project CARIPLO ROCKHORIZON: "Design of rockfall protection structures"
- 2013-15:** Project Prin-MIUR '13: "The landslide risk mitigation by means of sustainable interventions"
- 2012-2014:** PON project- "Landslides risk mitigation project" PON.01
- 2010-13:** Project RELUIS: "Legislative proposal: seismic local amplification effects" - "Study of the seismic response of shallow foundations on complex stratigraphy.
- 2009-12:** EU Project Accident ID 7629770: Interreg Italia-Svizzera Misura 2.2 - Programma Operativo di Cooperazione transfrontaliera Italia Svizzera 2007-2013: "Tunnels subjected to Fire and Blast"
- 2009-11:** EU Safeland: Living with landslide risk in Europe - subcontractor of UNISA
- 2008-10:** Project Prin-MIUR'07: "Theoretical-numerical and experimental analysis of the triggering mechanisms of landslides in low-density granular materials"
- 2005-08:** Project RELUIS: Progetto Esecutivo 2005-2008 - Accordo di Programma Quadro DPC-Reluis – Task 4 - "Development of displacement approaches for the design and assessment of the vulnerability of shallow foundations"
- 2004-07:** EU LESSLOSS - Risk Mitigation for Earthquakes and Landslides - subcontractor of UNIMIB
- 2004-06:** Project FIRB-MIUR 04: Multidisciplinary approach for the assessment of the vulnerability of large landslides

-2002-05: CEE Project DIGA: Degradation and Instabilities in Geomaterials with application to hazard mitigation

-2002-04: Project Prin-MIUR'02: "Modelling of pipeline-landslide interaction"

The most recent geotechnical consultant activity

Topic

Member of the awarding committee of the works for the construction of the fast train line Brescia-Verona
 Technical consultant in many legal proceedings
 Design of mitigation measures against the buoyancy of pipes in liquefiable soils
 Design of wire meshes to stabilize earth slopes
 Stabilization of Tavernola landslide
 Numerical simulations for the design of railway earth-embankments

Client

Cepav2
 Italian Courts
 Saipem
 Maccaerri
 Lombardy Territorial Entity
 Cepavdue
 Technital (Italian private engineering company)
 Geobruigg (Switzerland)
 TFE
 Sicily (Italy) territorial Institution
 Puglia (Italy) territorial Institution
 Emilia Romagna (Italy) territorial Institution
 Graftech (Italian Industry)
 Ferrovie Nord (Italian railways company)
 Snam-Retegas
 TENAX
 Provincia di Varese
 Veneto Strade
 Laterlite
 Laterlite
 Castelli company
 EMIT company
 Studio Cancelli
 Tencate s.p.a.
 Holcin s.p.a.
 F.lli Mara s.r.l.
 Lombardi-Reico

Numerical assessment of settlements of MOSE (Venice)
 Optimization of an innovative nailing system (TECCO)
 Numerical analysis of an innovative deep anchoring system
 Use of geosynthetics in the design of underwater retaining structures
 Risk assessment of coastal cliffs (Polignano)
 Risk assessment of abandoned caves
 Design of anchored retaining structures
 Stabilization of artificial embankments by means of piles
 Design of pipes along unstable slopes
 Design of reinforced railways embankments
 Stability of artificial dams
 Design of sheltering structures
 Use of lightweight materials in the construction of road embankments
 Use of lightweight materials in the design of tunnels
 Stability of reinforced slopes in Val Pola (Lombardia-Italy)
 Design of large disposal pools in Romania (Iasi)
 Stabilizations of Fantoni landslide
 Design of GEC
 Risk assessment of the slope of an abandoned mine in Costamasnaga (LC)
 Design of drainage pipes along an artificial dam in Lonate Pozzolo (VA)
 Numerical modeling of the excavations works of an underground parking structure

Membership and Affiliations

-Vice-president of the Italian Chapter of AGI-IGS (International Geosynthetics Society)
-2005-2011: Director of the International Association Alert Geomaterials <http://alertgeomaterials.eu/>
 -Member of the TC 207 "Soil-Structure Interaction and Retaining Walls" of the ISSMGE
 -Component of PhD juries in France (Lyone and Grenoble) and Italy (Milan, Turin, Rome, Padua, Catania,

Genoa)

-Committee member for associate professor(HDR)in France(Metz and Lyon), Czech Republic (Prague)and Italy(Milan)

Membership to Editorial Boards of International Journals

Member of the Editorial Board of International Journal of Solids and Structures

Member of the Editorial Board of "European Journal of Environmental and civil Engineering"

Member of the Editorial Board of "Engineering Geology"

Member of the Editorial Board of "Rivista Italiana di Geotecnica"

Member of the Editorial Board of "Geotechnique" from 2014 to 2017

List of publications

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., Miotto 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., Vardoulakis I. (2000) "Mechanical Modelling of Drained Creep Triaxial Tests on Loose sand" Geotechnique 50, No.1, 73-82
11. 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
12. di Prisco C., Luisi C. (2001) "Le argille espanse nella costruzione di rilevati artificiali" STRADE & AUTOSTRADE, vol. 5, p. 38-42
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. Calvetti F., di Prisco C., Nova R. (2004) "Experimental and numerical analysis of soil-pipe interaction" *Journal of geotechnical and geoenvironmental engineering*, vol. 130, p. 1292-1299
18. Cornegia A., di Prisco C., Nova R. (2004) "A Model for landslide-pipe interaction analysis" *Soils and foundations*, vol. 44, p. 1-12
19. Calvetti F., di Prisco C., Vecchiotti M. (2005) "Experimental and numerical study of rock-fall impacts on granular soils" *Rivista Italiana di Geotecnica*. vol. 4
20. di Prisco C., Luisi C., Vecchiotti M. (2005) "Modalità di valutazione empirico-teorica dello stato di addensamento di un'argilla espansa". *LE STRADE*, p. 160-167
21. di Prisco C., Massimino M., Maugeri M., Nicolosi M (2005) "Cyclic numerical analyses of Noto Cathedral: soil-structure interaction modelling" *Rivista italiana di geotecnica*
22. di Prisco C., Recalcati P., vecchiotti M. (2006) "Comportamento meccanico di rilevati ferroviari rinforzati sottoposti a carichi ciclici" *L'ingegnere e l'architetto*, p. 1-6
23. di Prisco C., Vecchiotti M. (2006) "A rheological model for the description of boulder impacts on granular strata" *Geotechnique*, vol. 56, pp. 469-482
24. di Prisco C., Stupazzini M., Zambelli C. (2006) "Nonlinear SEM numerical analyses of dry dense sand specimens under rapid and dynamic loading" *International journal for numerical and analytical methods in geomechanics*, vol. 31, pp. 757-788
25. di Prisco C., Stupazzini M., Zambelli C. (2006) "Nonlinear SEM numerical analyses of dry dense sand specimens under rapid and dynamic loading" *International journal for numerical and analytical methods in geomechanics*, vol. 31, pp. 757-788
26. di Prisco C., Stupazzini M. and Zambelli C. (2007) "Non-linear SEM numerical analyses of dry dense sand specimens under rapid and dynamic loading" *Int. J. Num. Anal. Meth. Geomech.*, 31, pp. 757-788
27. Cocchetti G., di Prisco C., Galli A. (2008) "Soil-pipeline interaction along active fault systems" *International Journal of offshore and Polar Engineering* Vol.18, No.3, pp.211-219
28. Besseghini F., Deana M., di Prisco C., Guasti G. (2008) "Modellazione meccanica di un sistema corticale attivo per il consolidamento di versanti" *GEAM. GEOINGEGNERIA AMBIENTALE E MINERARIA*, vol. 45, p. 37-45
29. Shirato M., Paolucci R., Kouno T., Nakatani S., Fukui J., Nova R., di Prisco C. (2008) "Numerical simulation of model tests of pier-shallow foundation systems subjected to earthquake loads using an elasto-uplift-plastic macro element" *Soils and foundations*, vol. 48, p. 693-711
30. Calvetti F., di Prisco C. (2009) "An Uncoupled Approach for the Design of Rockfall Protection Tunnel" *Structural engineering international*, vol. 19, pp. 342-347
31. Cocchetti G., di Prisco C., Galli A., Nova R. (2009) "Soil-pipe interaction along unstable slopes: an uncoupled/coupled 3D approach – Part 1: Theoretical formulation published" *Canadian geotechnical Journal*, 46(11) pp. 1289-1304
32. Cocchetti G., di Prisco C., Galli A. (2009) "Soil-pipeline interaction along unstable slopes: a coupled threedimensional approach. Part 2: Numerical analyses" *Canadian geotechnical Journal*, 46(11), pp. 1305-1321
33. di Prisco C., Vecchiotti M. (2010) "Design Charts for Evaluating Impact Forces on Dissipative Granular Soil Cushions" *Journal of geotechnical and geoenvironmental engineering*, vol. 136, pp. 1529-1541
34. Calvetti F., di Prisco C. (2010) "Discrete numerical investigation of the ratcheting phenomenon in granular materials" *Comptes rendus mecanique*, vol. 338, pp. 604-614
35. di Prisco C., Besseghini F., Pisanò F. (2010) **"Modelling of the mechanical interaction between anchored wire meshes and granular soils"** *Geomechanics and geoengineering*, vol. 5, pp. 137 -152
36. di Prisco C., Pisanò F. (2011) "Seismic response of rigid shallow footings" *European Journal Of Environmental And Civil Engineering*, 15, pp.185-221

37. Buscarnera G., Dattola G., di Prisco C. (2011) "Controllability, uniqueness and existence of the incremental response: A mathematical criterion for elastoplastic constitutive laws" *International Journal of Solids and Structures*, 48 (13), pp.1867-1878
38. Berzi D., di Prisco C.G., Vescovi D. (2011) "**Constitutive relations for steady, dense granular flows**" *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 84(3) art. no. 031301.
39. Galli A., di Prisco C. (2011) "**Mechanical behaviour of geo-encased sand columns: small scale experimental tests and numerical modeling**" *Geomechanics and Geoengineering*, 6, pp.251-263
40. di Prisco C., Pisanò F. (2011) "**An exercise on slope stability and perfect elastoplasticity**" *Geotechnique*, 61 (11), pp. 923-934
41. Buscarnera G., di Prisco C. (2012) "Discussing the definition of the second-order work for unsaturated soils" *International journal for numerical and analytical methods in geomechanics*, vol. 36, pp. 36-49
42. Calvetti F., Di Prisco C. (2012) "**Rockfall impacts on sheltering tunnels: real scale experiments**" *Geotechnique*, vol. 62, p. 865-876
43. di Prisco C., Pastor M., Pisanò F. (2012) "Shear wave propagation along infinite slopes: A theoretically based numerical study" *International journal for numerical and analytical methods in geomechanics*, vol. 36, p. 619-642
44. Zambelli C., di Prisco C., Lagioia R. (2012) "Strain accumulation in dense sands due to shear stress cycles" *Geomechanics and geoengineering*, vol. 7, p. 1-14
45. Calvetti F., di Prisco C. (2013) "A New Design Method for Rockfall Shelters Covered by Granular Layers" *Rockfall Engineering* , 6 March 2013, Pages 343-373
46. Buscarnera G., di Prisco C. (2013) "Soil stability and flow slides in unsaturated shallow slopes: Can saturation events trigger liquefaction processes?" *Geotechnique*, Volume 63, Issue 10, August 2013, Pages 801-817
47. Murianni A., di Prisco C., Federico A. (2013) "Numerical stability of non-local viscoplastic FEM analyses for the study of localisation processes" *Geomechanics and Geoengineering* , Volume 8, Issue 4, December 2013, Pages 215-228
48. Vescovi D., Di Prisco C., Berzi D. (2013) "From solid to granular gases: The steady state for granular materials". *International Journal for Numerical and Analytical Methods in Geomechanics*, Volume 37, Issue 17, 10 December 2013, Pages 2937-2951
49. F. Pisanò, C. di Prisco, R. Lancellotta (2013). "Soil-foundation modelling in laterally loaded historical towers", *Géotechnique*, 64(1), 1-15
50. di Prisco C., Moratara G.(2013) "A multi-mechanism constitutive model for plastic adaption under cyclic loading" *International Journal for Numerical and Analytical Methods in Geomechanics*, Volume 37, Issue 18, 25 December 2013, Pages 3071-3086
51. Dattola G., di Prisco C., Redaelli I., Utili S. (2014) "A distinct element method numerical investigation of compaction processes in highly porous cemented granular materials" *International Journal for Numerical and Analytical Methods in Geomechanics*, 2014
52. di Prisco C., Maugeri M. (2014) "Seismic Response of Shallow Footings: A Promising Application for the Macro-element Approach" *Geotechnical, Geological and Earthquake Engineering*, Volume 28, Pages 195-222
53. di Prisco, C., Mancinelli, L., Zanelotti, L., Pisanò, F. (2014) "Numerical stability analysis of submerged slopes subject to rapid sedimentation processes" *Continuum Mechanics and Thermodynamics*, 2014
54. Ciantia, M.O., Castellanza, R., di Prisco, C. (2014) "Experimental Study on the Water-Induced Weakening of Calcarenites" *Rock Mechanics and Rock Engineering*.
55. F. Tradigo, F. Pisanò, C. di Prisco (2014). "Numerical analysis of soil-structure interaction in disconnected piled raft foundations", *Computers and Geotechnics*, published online, DOI: 10.1016/j.compgeo.2014.08.014.
56. 4. Redaelli I, di Prisco C., Vescovi D. (2016). A visco-elasto-plastic model for granular materials under simple shear conditions. *INTERNATIONAL JOURNAL FOR NUMERICAL AND ANALYTICAL IN GEOMECHANICS*

57. PPisanò F, di Prisco C. (2016). A stability criterion for elasto-viscoplastic constitutive relationships. INTERNATIONAL JOURNAL FOR NUMERICAL AND ANALYTICAL METHODS IN GEOMECHANICS, vol. 40, p. 141-156, ISSN: 0363-9061, doi: 10.1002/nag.2395 -
58. Gioffré, D., Mandaglio, M. C., di Prisco, C., Moraci, N. (2017). Evaluation of rapid landslide impact forces against sheltering structures. RIVISTA ITALIANA DI GEOTECNICA, vol. 51, p. 64-76, ISSN: 0557-1405, doi: 10.19199/2017.3.0557-1405.064 - Articolo in rivista
59. Calvetti F., di Prisco C., Vairaktaris E. (2017). DEM assessment of impact forces of dry granular masses on rigid barriers. ACTA GEOTECNICA.
60. Calvetti F., di Prisco C., Vairaktaris E. (2017). DEM assessment of impact forces of dry granular masses on rigid barriers. ACTA GEOTECNICA
61. Vescovi, D., Berzi, D., di Prisco, C. (2018). Fluid–solid transition in unsteady, homogeneous, granular shear flows. Granular Matter 20(2),27.
62. di Prisco, C., Flessati, L., Frigerio, G., Galli, A., Lunardi, P. (2018) Experimental investigation of the time-dependent response of unreinforced and reinforced tunnel faces in cohesive soils. Acta Geotechnica. 13(3), pp. 651-670.
63. di Prisco, C., Flessati, L., Frigerio, G., Lunardi, P. (2018). A numerical exercise for the definition under undrained conditions of the deep tunnel front characteristic curve. Acta Geotechnica 13(3), pp. 635-649.
64. Marinelli, F., Pisanó, F., di Prisco, C., Buscarnera, G. (2018). Model-based interpretation of undrained creep instability in loose sands. Geotechnique. 68(6), pp. 504-517
65. Ceccato, F., Redaelli, I., di Prisco, C., Simonini, P. (2018). Impact forces of granular flows on rigid structures: Comparison between discontinuous (DEM) and continuous (MPM) numerical approaches. Computers and Geotechnics. 103, pp. 201-217.
66. Calvetti, F., di Prisco, C., Redaelli, I., Sganzerla, A., Vairaktaris, E. (2019). Mechanical interpretation of dry granular masses impacting on rigid obstacles. Acta Geotechnica 14(5), pp. 1289–1305
67. Redaelli, I., di Prisco, C. (2019). Three dimensional steady-state locus for dry monodisperse granular materials: DEM numerical results and theoretical modelling. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43(16), pp.
68. Flessati, L., di Prisco, C. (2020). Deep tunnel faces in cohesive soils under undrained conditions: application of a new design approach. European Journal of Environmental and Civil Engineering, 2020
69. Boschi, K., di Prisco, C.G., Ciantia, M.O. (2020). Micromechanical investigation of grouting in soils. International Journal of Solids and Structures, 2020, 187, pp. 121–132
70. di Prisco, C., Flessati, L., Porta, D. (2020). Deep tunnel fronts in cohesive soils under undrained conditions: a displacement-based approach for the design of fibreglass reinforcements. Acta Geotechnica, 2020, 15(4), pp. 1013–1030
71. Vescovi, D., Marveggio, P., Di Prisco, C.G. (2020). Saturated granular flows: Constitutive modelling under steady simple shear conditions. Geotechnique, 2020, 70(7), pp. 608–620
72. DI Prisco, C., Flessati, L., Frigerio, G., Galli, A. (2020). Mathematical modelling of the mechanical response of earth embankments on piled foundations. Geotechnique, 2020, 70(9), pp. 755–773
73. Vescovi, D., Redaelli, I., di Prisco, C. (2020). Modelling phase transition in granular materials: From discontinuum to continuum. International Journal of Solids and Structures, 2020, 202, pp. 495–510
74. Guida, G., Musso, G., Sanetti, G., di Prisco, C., Della Vecchia, G. (2021). A procedure to estimate cutoff wall transport properties from monitoring wells. International Journal for Numerical and Analytical Methods in Geomechanics, 2021
75. Redaelli, I., di Prisco, C. (2021). DEM numerical tests on dry granular specimens: the role of strain rate under evolving/unsteady conditions. Granular Matter, 2021, 23(2), 39

INTERNATIONAL CONFERENCES

76. 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
77. 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
78. 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
79. Mاتیotti 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
80. 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
81. 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
82. 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
83. 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
84. 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
85. Zambelli C., di Prisco C., Imposimato S. (2004) "A cyclic elasto-viscoplastic constitutive model: theoretical discussion and validation" In: International Conference on "Cyclic Behaviour of Soils and Liquefaction Phenomena" Bochum, Germany, 31 March - 02 April 2004
86. di Prisco C., Vecchiotti M. (2005) "Impact of boulder on granular strata: a rheological model" In: proceedings of the 2nd international conference on computational ballistics. Cordoba, Spain, may 18-20, 2005, p. 219-228
87. di Prisco C., Maggio F., Massidda L., Paolucci R., Stupazzini M., Zambelli C. (2006) "Spectral element method as an effective tool for solving large scale dynamic soil-structure interaction problems" In: Proceedings of the 8th US national conference on earthquake engineering 8NCEE. San Francisco, USA, april 18-22, 2006, p. 1-10
88. di Prisco C., Galli A. (2006) "Soil-pipe interaction under monotonic and cyclic loads: experimental and numerical modeling" In: Proceedings of the 1st euro-mediterranean conference in advances in geomaterials and structures AGS'. Hammamet, Tunisia, may 3-5, 2006, p. 755-760
89. Bongiorno D., Cantarelli E., di Prisco C., Galli A. (2006) "Geo-reinforced sand columns: small scale experimental tests and theoretical modelling" In: Proceedings of the 8th international conference on geosynthetics. Yokohama, Japan, september 18-22, 2006, p. 1685-1688
90. Galli A., di Prisco C. (2007) "Colonne in sabbia geo-rinforzate: prove sperimentali in piccola scala ed analisi numeriche" In: 20° convegno nazionale geosintetici SAIE 2007. Bologna, p. 37-45
91. di Prisco C., D'onofrio A., Santucci de Magistris F., Zambelli C. (2007) "Cyclic mechanical behaviour of granular soils: experimental results and constitutive modeling" In: Proceedings of the 4th

- International Conference on Earthquake Geotechnical Engineering. Thessaloniki, Greece, June 25-28, 2007, p. 1-10
92. di Prisco C., Zambelli C. (2007) "Dependency of the mechanical behaviour of granular soils on loading frequency: experimental results and constitutive modeling" In: Proceedings of the Geotechnical Symposium Soil Stress-Strain Behavior: Measurement, Modeling and Ana. Rome, Italy, March 16-17, 2006, p. 1-16
 93. Calvetti F., di Prisco C., Secondi M. (2007) "Prove di caduta massi: sperimentazione in scala reale" In: IARG 2007. Salerno, p. 1-4
 94. di Prisco C., Paolucci R., Shirato M., Vecchiotti M., Yilmaz T. (2007) "Seismic behaviour of shallow foundations: large scale experiments vs. numerical modeling" In: Proceedings of the 1st USA-Italy Seismic Bridge Workshop. Pavia, Italy, April 18-20, 2007, p. 1-7
 95. Cocchetti G., di Prisco C., Galli A. (2007) "Soil-pipeline interaction along active fault systems" In: Proceedings of the 7th International Conference on Offshore and Polar Engineering ISOPE 2007. Lisbon, Portugal, July 1-6, 2007, p. 1-8
 96. di Prisco C., Zambelli C. (2009) "A multi-mechanism visco-plastic constitutive model for simulating the phenomenon of ratcheting in granular soils" In: X International conference on computational plasticity COMPLAS X, CIMNE. Barcelona, Spain, p. 1-4
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 106. di Prisco C., Mortara G. (2012) "Modellazione multi-superficie dell'adattamento plastico nei terreni" In: IARG 2012. Padova, 02/07/2012-04/07/2012, p. 1-6
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 109. Buscarnera G., di Prisco C. (2012) "Stability analysis of unsaturated deposits: effect of soil properties and hydromechanical coupling" In: 111th International Symposium on Landslides and 2nd North American Symposium on Landslides. Canada, p. 1745-1751

Invited presentations to Conferences and International Advanced Schools

- Co-organizer of the 22th ALERT-Geomaterials Graduate School "Prevention and protection against hazards" (with Y. Malecot), Aussois, France October 2011
- Co-organizer of CISM Advanced Course "Mechanical Behaviour of Soils under Environmentally

Induced Cyclic Loads" (with D. M. Wood), Udine, Italy, June 2009

-Lecturer, 1th ALERT Olek Zienkiewicz Doctoral School "Computational Geomechanics" (with M. Pastor). Madrid, Spain, June 2009

-Lecturer, NATO Advanced Research Workshop "Cyclic and dynamic mechanical behaviour of shallow foundations on granular deposits", Borovets, Bulgaria, from 30th of August to 3rd of September 2008

-Panelist at Seismic Engineering Conf. MERCEA08: "Dynamic Mechanical Response of Inclined Dry Granular Sand Strata", Reggio Calabria, Italy, July 2008.

-Panelist at XXIII Convegno Nazionale di Geotecnica, Previsione e Controllo del Comportamento delle Opere: "Criteri di scelta nella modellazione costitutiva dei terreni", Padova-Abano Terme, Italy, May 2007.

-Co-organizer of the 15th ALERT-Geomaterials Graduate School "Geodynamics and Cyclic Modelling" (with L. Daudeville), Aussois, France, October 2003