Curriculum Vitae *June 2020*

Lysandros PANTELIDIS, Ph.D.

Personal Data

First name:	Lysandros
Surname:	Pantelidis
Date of Birth:	01 April 1976
Nationality:	Greek
Marital status:	Married with two children
Education:	Civil Engineering
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Contact Details

Mail address:	Cyprus University of Technology, Faculty of Engineering and Technology, Dept. of Civil Engineering and Geomatics, P.O. Box 50329, 3603 Limassol, Cyprus
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RESEARCH INTERESTS

- Analytical and numerical modelling in geotechnical engineering
- Analytical and numerical probabilistic analysis of geotechnical engineering problems based on the theory of random fields
- Reliability of geotechnical engineering structures with respect of field investigation
- Landslide risk assessment
- Investigation of rockfall measures adequacy and cost-effectiveness
- Soil erosion risk assessment

EDUCATION

Oct. 2003 – Mar. 2009 Doctor of Philosophy (Civil Engineering)

Aristotle University of Thessaloniki (Greece), Faculty of Engineering, Department of Civil Engineering

Thesis Title: "System of Quantitative and Qualitative Assessment of Highway Geotechnical Assets Failure Hazard and Relevant Consequences" (in Greek)

Oct. 1994 – Nov. 2001 Diplomate Civil Engineer (five-year educational curriculum leading to a comprehensive integrated master's degree in civil engineering - 300 ECTS)

Aristotle University of Thessaloniki (Greece), Faculty of Engineering, Department of Civil Engineering

ACADEMIC EXPERIENCE

Lecturing - Research

Sept. 2011 – Present Cyprus University of Technology, Faculty of Engineering and Technology, Department of Civil Engineering and Geomatics

Current position: Assistant Professor in Geomechanics (10/2015 - present)

Previous position: Lecturer in Geomechanics (09/2011-09/2015)

Undergraduate courses:

- CIV112 "Engineering Geology", *Sept. 2011 - Present*
- CIV226 "Soil Mechanics", *Jan. 2012 - Present*
- CIV323 "Foundation Engineering", *Jan. 2014 - Present*
- CIV411 "Elements of Law and Technical Regulations", *Sept. 2013 – Dec. 2013*

Postgraduate courses in MSc in Civil Engineering and Sustainable Design:

- CIV531 "Sustainable Geotechnical Engineering", *Jan. 2013 - Present*
- CIV535 "Research Methods", *Jan. 2013 - Present*

Nov. 2010 – Aug. 2011	Research Assistant Professor Colorado School of Mines (USA), School of Engineering, Department of Civil and Environmental Engineering
Nov 2003 – Oct. 2010	Adjunct Professor Technological Educational Institute of Thessaloniki (Greece), School of Technological Applications, Department of Civil Infrastructure Engineering Undergraduate courses (taught in both semesters): - "Highway Technical Works" (Lecture and Lab), *Oct. 2004 – Oct. 2010* - "Rock Mechanics – Tunneling" (Lab), *May 2007 – Sept. 2009* - "Reinforced Concrete" (Lecture), *Nov 2003 – Feb. 2006*
2005 – 2007	Member of teaching group Aristotle University of Thessaloniki (Greece), School of Engineering, Department of Civil Engineering Undergraduate course (Spring Term): - ΓΕ1500 "Applied Informatics in Civil Engineering"

BSc and MSc project advising

At Cyprus University of Technology (Cyprus), Department of Civil Engineering and Geomatics

BSc thesis (POM 481 & POM 482)

- Gevara, Chieko (2018). Stabiity of rock slopes along the new Kalo Horio – Agros road.
- Michael, Maria (2018). Design of foundation of a two-story building founded on weak soil
- Stylianou, Giorgos (2017). Determination of the surface characteristics of roads with the profilometer of Barton
- Charis, Ploutarchou (2016). Stability of slope consisting of two faces with 90 degrees relative difference in direction: Case of concave slope
- Chimonides, Andreas (2016). Stochastic analysis of soil slopes with finite elements in combination with the random field theory
- Anastasiou, Pasaskevas (2016) Slope stability analysis with the Random Finite Element Method

- Anastasiou, Pasaskevas (2016) Slope stability analysis with the Random Finite Element Method and real field data
- Xypsiti, ELeni (2016) Slope stability analysis with the Random Finite Element Method and real field data
- Kalli, Natali (2016). Effect of soil sampling on earth pressures
- Tsarta, Antigoni (2015). An update of Meyerhof's charts on "The ultimate bearing capacity of foundations on slopes" based on the finite element method
- Gotsis, Konstantinos (2014). On the effect of tension crack in soil slope stability analysis in three dimensions
- Tsaggaridis, Nikolaos (2014). A case study for the stability assessment of a real slope based on the random finite element method
- Christodoulou, Andreas (2014). The effect of skid resistance and macrotexture of pavements on accident risk assessment
- Panagi, Maria (2014). Earth pressures: A critical review
- Symeou, George (2013). Wear and maintenance of flexible pavements in Cyprus (Co-supervision with Dr Diofantos Hatzimitsis)
- Pieri, Elena (2012). Quantitative and qualitative methods of landslide risk assessment
- Sourmelis, Theodoros (2012). Effect of swelling soils on foundations

MSc thesis (POM 580)

- Michael, Maria (2019). Correction coefficient for the immediate, non-elastic settlement of footing over homogepous soil medium
- Karayiannis, Panagiotis (2017). Design of foundation of a two-story building founded on weak soil
- Kanellopoulou, Evmorfia (2016). A closed-form solution for the stability assessment of Mechanically Stabilized Walls (MSW)
- Konstantinos, Gotsis (2015). Study of the effect of tension crack on the stability of soil slopes.
- Christodoulou, Andreas (2015). Determination of the surface characteristics of roads with the profilometer of Barton
- Kostas Gavriel (2014). A critical review on soil penetration tests
- Christodoulou, Panagiotis (2014). Stochastic analysis of shallow foundations based on the random finite element method
- Christodoulou, Melani (2013). Three-dimensional stability analysis of convex and concave slopes in plan view
- Constantinou, Efstratiou (2013). Tension crack in stability analysis of soil slopes

Research methods (POM 535)

- Chimonides, Andreas (2017). A critical review on rock mass rating systems
- Gotsis, Konstantinos (2015). On the effect of different factoring strategies on slope stability analysis based with nonlinear failure criterion
- Christodoulou, Andreas (2015). Accident risk assessment in highway engineering with respect to pavement surface characteristics
- Gavriil, Kostas (2013). A literature review on footing on the crest of slope
- Panagi, Eleni (2013). A literature review on stability analysis of slopes under seismic loading
- Christodoulou, Panagiotis (2013). Quantitative landslide risk assessment
- Constantinou, Efstratiou (2012). Importance of tension cracks in stability of slopes

At Technological Educational Institute of Thessaloniki (Greece), Department of Civil Infrastructure Engineering

Undergraduate level

- Krania, Vasiliki & Karra, Eleni (2011). Slope stability analysis under seismic loading through dimensionless parameters
- Pekos, Philippos (2010). Theoretical approach on rock bouncing on slope face and determination of their run-out distance
- Sgouridou, Eirini & Vakoula, Despina (2010). Slope stability analysis with dimensionless parameters
- Karava, Anna & Mantzavinos, Alexios (2010). Rock slope stability analysis through rock mass classification systems
- Psaltou, Emmanouil (2009). Stability charts and tables for homogeneous earth slopes with benches
- Romoudis, Ioannis & Xenitiadis, Ioannis (2009). Investigaton of failure hazard of soil cuttings along the Mesea Milia – Ano Milia vilages (Pieria)
- Kamaris, Aristomenis (2007). Determining of the shear strength parameters and parameters of bearing capacity through simple empirical correlations

Paid assistantships

May 2004 – June 2008 Aristotle University of Thessaloniki (Greece), Department of Civil Engineering, Division of Transport, Infrastructure, Management and Regional Planning Engineering

Teaching assistant in

- "Road Management" (ΤΣ3500)
- "Highway Engineering II" (ΤΣ0500)

SUPERVISING DOCTORAL RESEARCH

Panagiotis Christodoulou (Sept. 2015 – April 2020) – Advisor

Avraam Siathas (Jan. 2013 – Oct. 2014; dropped out) – Advisor

Christodoulos Mettas (Jan. 2015 – Present) – Member of the advisory committee

Antonis Papantoniou (Jan. 2015 – Present) – Member of the advisory committee

Evangelos Mendonidis (Sep. 2016 – Present) – Member of the advisory committee

SUPERVISING POST-DOCTORAL RESEARCH

Dr. Elias Gravanis (Jun. 2013 – present; continuous collaboration - discontinues funding): *Analytical and numerical modeling in geotechnical engineering*

Dr. Panagiotis Christodoulou (May 2020 – present; continuous collaboration - discontinues funding): *Numerical modeling in probabilistic geotechnical engineering*

PROFESSIONAL EXPERIENCE

"Lifting Equipment in the Context of the Completion of the Mechanical Construction of New CCR Unit for the Thessaloniki Refinery" [Study] Thessaloniki, Greece, *Nov. 2009 – Dec. 2009*
Part-time Civil Engineer, Member of Design Team
EKME S.A. (Mechanical and Civil Construction Company)

"Organization Charts for Lifting Equipment in the Context of the Completion of the Mechanical Construction of New CCR Unit for the Thessaloniki Refinery" [Study] Thessaloniki, Greece, *Oct. 2009 – Nov. 2009*
Part-time Civil Engineer, Member of Design Team
EKME S.A. (Mechanical and Civil Construction Company)

"Construction of New Continuous Catalyst Regenerator (CCR) Unit for the Thessaloniki Refinery" [Proposal], Thessaloniki, Greece, *July 2009 – Sept. 2009*
Part-time Civil Engineer, Member of Design Team
EKME S.A. (Mechanical and Civil Construction Company)

"New Work of Mechanical Construction for the Elefsina Refinery" [Proposal], Elefsina, Greece, *Apr. 2009 – June 2009*
Part-time Civil Engineer, Member of Design Team
EKME S.A. (Mechanical and Civil Construction Company)

"Maintenance Works of Hellenic Aspropyrgos Refinery" [Proposal], Aspropyrgos, Greece, *Jan. 2009 – Mar. 2009*
Part-time Civil Engineer, Member of Design Team
EKME S.A. (Mechanical and Civil Construction Company)

"Design Study and Construction Supervision of Six-Story Building at 3 Benizelou Street" Thessaloniki, Greece, *Jan. 2006 – Mar. 2007*
Part-time Civil Engineer
Tzikas S. & Co. Ltd (Civil Construction Company)

"Repair, Maintenance, and Layout of 1st Infantry Division Command Building for the Camp of Armatolou Kokkinou," Veria, Greece, *Mar. 2002 – Mar. 2003*
Civil Engineer – Survey and Supervision of Building Works
Hellenic Army (Compulsory Military Service: Nov. 2001 – Mar. 2003, Military Police Sergeant)

"Construction of Arsenal at the Camp of Armatolou Kokkinou," Veria, Greece, *Mar. 2002 – Mar. 2003*
Civil Engineer – Survey and Supervision of Building Works
Hellenic Army (Compulsory Military Service: Nov. 2001 – Mar. 2003, Military Police Sergeant)

"New Crude Oil Tanks TK-881, TK-882 for Hellenic Petroleum S.A.," Thessaloniki, Greece, *Feb. 2001 – Nov. 2001*
Undergraduate Civil Engineering Student – Supervision of Civil Infrastructure Works
Romvos General Partnership (Civil Construction Company)

"Hydrogen Production Unit for Hellenic Petroleum S.A.," Thessaloniki, Greece, *Feb. 2001 – Nov. 2001*
Undergraduate Civil Engineering Student – Supervision of Civil Infrastructure Works
Romvos General Partnership (Civil Construction Company)

"Lubricant Tanks for TEFIL S.A.," Thessaloniki, Greece, *Feb. 2001 – Nov. 2001*
Undergraduate Civil Engineering Student – Supervision of Civil Infrastructure Works
Romvos General Partnership (Civil Construction Company)

RESEARCH TEAMS AND EXTERNAL COLLABORATIONS

The CUT Geomechanics Lab Team

- **Dr. Lysandros Pantelidis** (PhD in Civil Engineering): Head and coordinator; Analytical and numerical modeling; field and laboratory work
- **Dr. Elias Gravanis** (PhD in Theoretical Physics): Analytical modeling and programming
- **Dr. Panagiotis Christodoulou** (PhD in Civil Engineering): Programming; numerical modeling; field and laboratory work
- **Konstantinos Gotsis** (BSc and MSc in Civil Engineering): Testing and running programs

External collaborators

- **Dr. D.V. Griffiths** (Professor in Civil Engineering Department at Colorado School of Mines, USA; Fellow ASCE)
- **Dr. Michael Hicks** (Professor in Civil Engineering Department at TU Delft)
- **Dr. Adrianos Retalis** (Research Director at National Observatory of Athens, Greece)
- **Dr. Christos Anagnostopoulos** (Professor in Civil Engineering Department at Aristotle University of Thessaloniki, Greece)

FUNDED RESEARCH PROJECTS

As coordinator

"Landslide risk assessment based on the theory of random fields" *Jul. 2012 – Jun.* 2014, Funding Body: CUT grant No 20081, Cyprus University of Technology. Amount: €4oooo

As participant

"GOALI: Probabilistic Geomechanical Analysis in the Exploitation of Unconventional Resources," *Nov. 2010 – Aug. 2011,* Funding Body: NSF grant CMMI-0970122, Colorado School of Mines, USA

"Analysis, Assessment and Management of Landslide Hazards Along Florina – Pisoderi – Gavros Highway," *Sep. 2008 – Dec. 2008,* Funding Body: European Union (INTERREG III), Research Committee of Technological Educational Institute of Thessaloniki (Greece)

"Use of Steel Slag Aggregates for Antiskid Road Pavements – Final Study," *Apr. 2006* Funding Body: AEIFOROS – Metal Processing S.A., Research Committee of Aristotle University Institute of Thessaloniki (Greece)

"Determination of Pavement Failure Causes of Athens – Thessaloniki National Road (Ag. Theodori – Almyros Road Segment)," *Sep. 2004,* Funding Body: EFKLIDIS S.A., Research Committee of Aristotle University Institute of Thessaloniki (Greece)

"Use of Steel Slag Aggregates for Antiskid Road Pavements – Intermediate Study," *Mar. 2004,* Funding Body: AEIFOROS – Metal Processing S.A., Research Committee of Aristotle University Institute of Thessaloniki (Greece)

"Determination of Pavement Failure Causes of Athens – Thessaloniki National Road (Ag. Theodori – Almyros Road Segment)," *Mar. 2004,* Funding Body: EFKLIDIS S.A., Research Committee of Aristotle University Institute of Thessaloniki (Greece)

"Final report – Implementation study of Geotechnical Stabilization of Monument of August in Nikopolis – Preveza," *Sep. 2003 – Nov. 2003,* Funding Body: Ministry of Hellenic Culture – Bureau for the Management of Funding for the Implementation of Archaeological Works, Research Committee of Aristotle University Institute of Thessaloniki (Greece)

"Study of Production of Concrete of Satisfactory Strength Using Recycled Concrete," *July 1998 – Aug. 1998,* (Practical training of students in 3rd Territorial Office for Public Works), Funding Body: European Union (Operational Programme for Education and Initial Vocational Training), Research Committee of Aristotle University Institute of Thessaloniki (Greece)

PUBLICATIONS

In preparation

ip1. **Pantelidis, L.** & Gravanis, E. (2020). Immediate settlement analysis of rigid rectangular footings on sands and clays. [In preparation]

ip2. Gravanis, E., **Pantelidis, L.** & Christodoulou, P. (2020). An analytical solution for probabilistic active earth pressure analysis in purely frictional soils based on random fields. [In preparation]

ip3. Christodoulou, P. & **Pantelidis, L.** (2020). Reducing statistical uncertainty in elastic bearing capacity analysis of isolated and interfering shallow foundations relying on targeted field investigation. [In preparation]

Under review

ur1. **Pantelidis, L.** (2020). Elastic settlement analysis of rigid footings relying on the "characteristic point" concept. Soils and Foundations [Under review; Submitted on 07/04/2020; SANDF-D-20-00114]

ur2. **Pantelidis, L.** (2020). Approximations for elastic settlement analysis of rigid rectangular footings. Geotechnical and Geological Engineering. [Under review; Submitted on 26/04/2020; GEGE-D-20-00358]

ur3. **Pantelidis, L.** (2019). The equivalent modulus of elasticity of soil mediums for designing shallow foundations. Geotechnical and Geological Engineering. [Under review; Submitted on 04/10/2019; GEGE-D-19-00875]

Accepted

acc1. Gravanis, E., **Pantelidis, L.** & Christodoulou, P. (2020) An analytical random field solution for the reliability of axially loaded piles in the ultimate limit state considering the effect of soil sampling. G*eosciences* [Under review; Submitted on 04/06/2020; geosciences-842033]

acc2. **Pantelidis, L.**, Gravanis, E. & Gotsis, K. (Submitted on 10/09/2019). The effect of the third dimension and tension crack on the stability of soil slopes. Geomechanics and Engineering. [Reviewer 1: Good / Minor Change; Reviewer 2: Average / Accept; Expected result: Accepted; GAE99585XC]

Journals

j1. **Pantelidis, L.** (2020). Strain influence factor charts for elastic settlement analysis of shallow foundations with the stress-strain method. *Applied Sciences*, *10*(11), 3822. doi: 10.3390/app10113822

j2. **Pantelidis, L.** (2020). Elastic settlement analysis for various footing cases based on strain influence areas. *Geotechnical and Geological Engineering*. doi:

10.1007/s10706-020-01290-w

j3. Christodoulou, P. & **Pantelidis, L.** (2020). The effect of targeted field investigation on the reliability of axially loaded piles. *Geosciences*, 10(11), 3822. doi: 10.3390/geosciences10050160

j4. Christodoulou, P., **Pantelidis, L.** & Gravanis, E. (2020). The effect of targeted field investigation on the reliability of earth retaining structures in passive state. *Geosciences*, 10(3), 110. doi: 10.3390/geosciences10030110

j5. Christodoulou, P. & **Pantelidis, L.** (2020). Reducing statistical uncertainty in elastic settlement analysis of shallow foundations relying on targeted field investigation. *Geosciences*, 10(1), 20. doi: 10.3390/geosciences10010020

j6. Christodoulou, P., **Pantelidis, L.** & Gravanis, E. (2020). A Comparative Assessment of the Methods-of-Moments for Estimating the Correlation Length of One-Dimensional Random Fields. *Archives of Computational Methods in Engineering*, 1-19. doi: 10.1007/s11831-020-09408-2

j7. **Pantelidis, L.** (2020). A critical review of Schmertmann's strain influence factor method for immediate settlement analysis. *Geotechnical and Geological Engineering*, *38*, 1-18. doi: 10.1007/s10706-019-01062-1

j8. **Pantelidis, L.** (2019). The Generalized Coefficients of Earth Pressure: A Unified Approach. *Applied Sciences*, *9*(24), 5291. doi: 10.3390/app9245291

j9. Christodoulou, P., **Pantelidis, L.** & Gravanis, E. (2019). The effect of targeted field investigation on the reliability of earth-retaining structures in active state. *Applied Sciences*, *9*(22), 4953. doi: 10.3390/app9224953

j10. **Pantelidis, L.** (2019). The equivalent modulus of elasticity of layered soil mediums for designing shallow foundations with the Winkler spring hypothesis: A critical review. *Engineering Structures*, *201*, 109452. doi: 10.1016/j.engstruct.2019.109452

j11. Gravanis, E., & **Pantelidis, L.** (2019). Determining of the Joint Roughness Coefficient (JRC) of Rock Discontinuities Based on the Theory of Random Fields. *Geosciences*, 9(7), 295. doi: 10.3390/geosciences9070295

j12. **Pantelidis, L.** & Griffiths, D.V. (2014). Integrating Eurocode 7 (load and resistance factor design) using nonconventional factoring strategies in slope stability analysis. *Canadian Geotechnical Journal, 51*(2), *208-216.* doi: 10.1139/cgj-2013-0239

j13. Gravanis, E., **Pantelidis, L.** & Griffiths, D.V. (2014). An analytical solution in probabilistic rock slope stability assessment based on random fields. *International Journal of Rock Mechanics and Mining Sciences, 71*(8), *19-24.* doi: 10.1016/j.ijrmms.2014.06.018

j14. **Pantelidis, L.** (2013). Equal-area projection: Spheroid to sphere to plane. *Global*

Journal of Advanced Research on Classical and Modern Geometries. 2(2), 76-79.

j15. **Pantelidis, L.** & Griffiths, D.V. (2013). Stability of earth slopes. Part I: two-dimensional analysis in closed-form. *International Journal for Numerical and Analytical Methods in Geomechanics, 37(13):1969-1986.* doi: 10.1002/nag.2118

j16. **Pantelidis, L.** & Griffiths, D.V. (2013). Stability of earth slopes. Part II: three-dimensional analysis in closed-form. *International Journal for Numerical and Analytical Methods in Geomechanics, 37(13):1987-2004.* doi: 10.1002/nag.2116

j17. **Pantelidis, L.** (2012). Area of spherical lune formed by two random planes. *Global Journal of Advanced Research on Classical and Modern Geometries.* 1(2), 85-88.

j18. **Pantelidis, L.** & Psaltou, E. (2012). Stability tables for homogeneous earth slopes with benches. *International Journal of Geotechnical Engineering,* 6(3), 381-394. doi: 10.3328/IJGE.2012.06.03.381-394

j19. **Pantelidis, L.** & Griffiths, D.V. (2012). Stability assessment of slopes using different factoring strategies. *Journal of Geotechnical and Geoenvironmental Engineering*. 138(9): 1158-1160. doi: 10.1061/(ASCE)GT.1943-5606.0000678

j20. **Pantelidis, L.** & Kokkalis, A. (2011). Designing passive rockfall measures based on computer simulation and field experience to enhance highway safety. *International Journal of Rock Mechanics and Mining Sciences, 48*(8), *1369-1375.* doi: 10.1016/j.ijrmms.2011.09.008

j21. **Pantelidis, L.** (2011). A critical review on highway slope instability risk assessment systems. *Bulletin of Engineering Geology and the Environment, 70*(3), 395-400. doi: 10.1007/s10064-010-0328-5

j22. **Pantelidis, L.** (2010). Semi-analytical model for the determination of vertical settlement of crest of road embankments founded on sloping ground. *Geomechanics and Geoengineering: An International Journal*, *5*(3), 179-186. doi: 10.1080/17486020903576200

j23. **Pantelidis, L.** (2010). An alternative rock mass classification system for rock slopes. *Bulletin of Engineering Geology and the Environment*, *69*(1), 29-39. doi:10.1007/s10064-009-0241-y. **Submitted after invitation.**

j24. **Pantelidis, L.** (2009). Rock slope stability assessment through rock mass classification systems. *International Journal of Rock Mechanics and Mining* Sciences, *46*(2), 315-325. doi: 10.1016/j.ijrmms.2008.06.003

j25. **Pantelidis, L.** (2008). Stability of highway embankments constructed on sloping ground against translational failure. *Geomechanics and Geoengineering: An International Journal*, *3*(3), 191-197. doi: 10.1080/17486020802220587

j26. **Pantelidis, L.** (2008). Determining of the soil strength characteristics through

the Plate Bearing Test. *Foundations of Civil and Environmental Engineering (FCEE)*, *11*, 55-65. **Submitted after invitation.**

Book chapters

ch1. **Pantelidis, L.** & Griffiths, D.V. (2015). Footing on the crest of a slope: Slope stability or bearing capacity? In G. Lollino, D. Giordan, G. B. Crosta, J. Corominas, R. Azzam, J. Wasowski, & N. Sciarra (Eds.), *Engineering Geology for Society and Territory - Volume 2* (pp. 1231-1234). doi: 10.1007/978-3-319-09057-3_215

ch2. **Pantelidis, L.**, Gravanis, E. & Griffiths, D.V. (2015). Influence of spatial variability on rock slope reliability using 1-D random fields. In G. Lollino, D. Giordan, G. B. Crosta, J. Corominas, R. Azzam, J. Wasowski, & N. Sciarra (Eds.), *Engineering Geology for Society and Territory - Volume 2* (pp. 1235-1238). doi:10.1007/978-3-319-09057-3_216

Conferences

c1. **Pantelidis, L.** (2020). On the modulus of subgrade reaction for shallow foundations on homogenous or stratified mediums. Third European and Mediterranean Structural Engineering and Construction Conference (EURO-MED-SEC-3), 3-8 August 2020, Limassol, Cyprus.

c2. **Pantelidis, L.** (2019). The effect of footing shape on the elastic modulus of soil. Paper #15. 2nd Conf of the Arabian J of Geosciences, 25-28 November 2019, Sousse, Tunisia

c3. **Pantelidis, L.** & Christodoulou, C. (2017). Spatial Correlation Length of Clay Soils in Practice and Its Influence in Probabilistic Bearing Capacity Analysis. *Georisk 2017, Impact of Spatial Variability, Probabilistic Site Characterization, and Geohazards* (pp. 487-498). Denver, CO: ASCE.

c4. **Pantelidis, L.** (2011). An innovative landslide risk assessment system: Application to highway embankments. *Georisk 2011, Geotechnical Risk Assessment and Management* (pp. 1012-1019). Atlanta, GA: ASCE. doi:10.1061/41183(418)110

c5. **Pantelidis, L.** (2010). Rock catchment area design charts. In D. Fratta, A.J. Puppala & B. Muhunthan (Eds.) *Proceedings of GeoFlorida 2010 Conference on Advances in Analysis, Modelling and Design* (pp. 224-233). West Palm Beach, FL: ASCE. doi:10.1061/41095(365)19

c6. **Pantelidis, L.** (2008). Stability against translational failure of non-cohesive embankments founded on natural slopes. In *Proceedings of 12th International Association for Computer Methods and Advances in Geomechanics (IACMAG) Conference* (pp. 4645-4651). Retrieved from http://www.gndec.ac.in/~hsrai/civil/resources/conf/GOA/IACMAG08/pdfs/Q26.pdf

c7. Mouratidis, A., & **Pantelidis, L.** (2007). Rock failure risk assessment in highway maintenance management. In A. Loizos, T. Scarpas, & I.L. **Al-Qadi** (Eds.), *Proceedings of International Conference on Advanced Characterization of Pavement and Soil Engineering Materials* (pp. 1145-1154). London: Taylor and Francis.

c8. **Pantelidis, L.** (2005). Determination of soil strength characteristics performing the Plate Bearing Test. In W. Grabowski (Ed.), *Proceedings of 3rd International Conference on Modern Technologies in Highway Engineering* (pp. 497-506). Poznan, Poland: Poznan University of Technology.

c9. Mouratidis, A., & **Pantelidis, L.** (2005). Πεδίο ορισμού του μέτρου ελαστικότητας και του μέτρου παραμόρφωσης σε ομοιογενή εδαφικά υλικά [The domain of modulus of elasticity and modulus of deformation in homogenous soil materials]. In *Proceedings* of *2nd Pan-Hellenic Highway Engineering Conference of Technical Chamber of Greece (TCG-TEE)*. Retrieved from http://library.tee.gr/digital/ m2070/m2070_mouratidis2.pdf

c10. Mouratidis, A., & **Pantelidis, L.** (2005). Θεωρητική προσέγγιση των μεθόδων ενίσχυσης χαλικόστρωτων οδών [Theoretical approach of reinforcement methods of unpaved roads]. In *Proceedings* of *2nd Pan-Hellenic Highway Engineering Conference of Technical Chamber of Greece (TCG-TEE)*. Retrieved from http://library.tee.gr/digital/m2070/m2070_mouratidis1.pdf

Dissertations

"System of Quantitative and Qualitative Assessment of Highway Geotechnical Assets Failure Hazard and Relevant Consequences" PhD Thesis, Department of Civil Engineering, Aristotle University of Thessaloniki (Greece), pp. 547 http://ikee.lib.auth.gr/record/111022/files/GRI-2009-2304.pdf

Other writing work

Teaching notes for the course "Highway Technical Works" approved by the council of Technological Educational Institute of Thessaloniki, Greece (Approval No 14/11-11-2009) as official course notes.

Teaching notes for the course "Reinforced Concrete" approved by the council of Technological Educational Institute of Thessaloniki, Greece (Approval No 21/03-12-2003) as official course notes.

PRESENTATIONS AND INVITED SPEECHES

Conference presentations

Oral presentations

Georisk (ASCE) 2017, Impact of Spatial Variability, Probabilistic Site Characterization, and Geohazards (Denver, USA), June. 04 – 07, 2017.
"Spatial Correlation Length of Clay Soils in Practice and Its Influence in Probabilistic Bearing Capacity Analysis"

IAEG XII (Engineering Geology for Society and Territory), IAEG (Torino, Italy), Sept. 15 – 19, 2014.
"Footing on the crest of slope: Slope stability or bearing capacity?"

IAEG XII (Engineering Geology for Society and Territory), IAEG (Torino, Italy), Sept. 15 – 19, 2014.
"Influence of spatial variability on rock slope reliability using 1-d random fields"

Annual Geo-Institute Conference (Georisk 2011), ASCE (Atlanta, GA, USA), *Jun. 26 – 28, 2011*.
"An innovative landslide risk assessment system: Application to highway embankments"

Annual Geo-Institute Conference, ASCE (West Palm Beach, FL, USA), *Feb. 20 – 24, 2010*.
"Rock Catchment Area Design Charts"

12th IACMAG Conference (Goa, India), *Oct*. 1 – 6, 2008.
"Stability Against Translational Failure of Non-cohesive Embankments Founded on Natural Slopes"

3rd International Conference of Modern Technologies in Highway Engineering (Poznan, Poland), *Sep.* 8 – 9, 2005.
"Determination of Soil Strength Characteristics Performing the Plate Bearing Test"

2nd Pan-Hellenic Highway Engineering Conference, Technical Chamber of Greece (Volos, Greece), *May 18 – 20, 2005*.
"The Domain of Modulus of Elasticity and Modulus of Deformation in Homogenous Soil Materials" (in Greek), Co-authored with: Anastasios Mouratidis.

2nd Pan-Hellenic Highway Engineering Conference, Technical Chamber of Greece (Volos, Greece), *May 18 – 20, 2005*.
"Theoretical Approach of Reinforcement Methods of Unpaved Roads" (in Greek),

Co-authored with: Prof. Anastasios Mouratidis.

Poster presentations

International Conference on Advanced Characterization of Pavement and Soil Engineering Materials (Athens, Greece), *Jun.* 20 – 22, 2007.
"Rock Slope Failure Risk Assessment in Highway Maintenance Management"

Invited lectures

Scientific Meeting on "Application of Eurocode 7 in Cyprus" (Εκπαιδευτικό και Πολιτιστικό Κέντρο ΕΤΕΚ, Θησέως 9-11, Λευκωσία), *Mar. 16, 2019*
Hosted by: Cyprus Organisation for Standardisation (CYS) & Hellenic Society of Soil Mechanics and Geotechnical Engineering (HSSMGE)
Invited speech on "*The Effect of Targeted Field Investigation on the Reliability of Deep Foundations* "

Scientific Meeting on "Special Topics in Geotechnical Engineering" (Crowne Hotel, Limassol, Cyprus), *Feb. 06-07, 2015*
Hosted by: Cyprus Association of Civil Engineers
Invited speech on "*Designing footings founded on the crest of slopes with Eurocode 7: Bearing capacity or overall stability?*"

Invited Lecturer in the undergraduate course: "Urban Design", *Fall semester 2006 – 2007,* Aristotle University of Thessaloniki (Greece), School of Architecture, Department of Urban and Regional Planning and Development

PARTICIPATION IN CONFERENCE COMMITTEES

Scientific Meeting on Use of Industrial By-products in Highway Engineering (Thessaloniki, Greece), *May 13, 2004*
Hosted by: Highway Engineering Lab., Dept of Civil Engineering of Aristotle University of Thessaloniki, Greece; Participation in the five–member organizing committee

12th International Conference of International Association for Computer Methods and Advances in Geomechanics (IACMAG) (Goa, India), *Oct. 1 – 6, 2008*
Conference Topic: "Geomechanics in the Emerging Social and Technological Age"; Hosted by: Indian Institute of Technology Bombay (IIT Bombay); Role: Data Center In-Charge

Administrative Duties at CUT

Department of Civil Engineering and Geomatics, Cyprus University of Technology

2014 –	Graduate Studies Committee	Chairperson
2013 –	Departmental Committee for the updating of the undergraduate syllabus for both BEng courses in Civil Engineering and Surveying Engineering & Geoinformatics	Coordinator
2016 –	Information Systems and Departmental Website Committee	Member
2011 – 2014	Departmental Committee for the Undergraduate Studies	Member
2011 – 2014	Departmental Committee for the Graduate Studies	Member
2011 – 2014	Departmental Committee for *Public Relations* and *Publications*	Member
2011 – 2014	Departmental Committee for Laboratories	Member

School of Engineering and Technology, Cyprus University of Technology

05/2016 –	Board of the School of Engineering and Technology	Member

Senate of Cyprus University of Technology

01/2020 –	Legislative Affairs Committee	Member

Other administrative activities at the Cyprus University of Technology (among others)

- Head of the laboratory of Geotechnics of the Department of Civil Engineering and Geomatics of CUT (organization, relocation to new building, equipment purchases through tendering procedures).
- IN-CHARGE for preparing the report for the evaluation of the curriculum of the degree of Civil Engineering of the Department of Civil Engineering and Geomatics by the Cyprus Agency of Quality Assurance and Accreditation in Higher Education (CYQAA). Report submitted on Dec. 2019.
- Presenter at “open days” meetings promoting undergraduate and graduate studies at the Department of Civil Engineering and Geomatics of CUT.

INVITED REVIEWER

Publisher	Journal
Academic Journals	Journal of Geology and Mining Research
	Scientific Research and Essays
ASCE	Journal of Aerospace Engineering
	Journal of Computing in Civil Engineering
	Journal of Geotechnical and Geoenvironmental Engineering
Basic Research Journals	Soil and Environmental Science
Copernicus	Natural Hazards and Earth System Sciences
CRC Press	Canadian Geotechnical Journal
Elsevier	Computers and Geotechnics
	International Jour. of Rock Mechanics and Mining Sciences
	Mechanics Research Communications
	Physics and Chemistry of The Earth
	Soils and Foundations
ICE	Géotechnique
MDPI	Materials
	Applied Sciences
Europ. Geosc. Union	Natural Hazards and Earth System Sciences
Springer-Nature	Bulletin of Engineering Geology and the Environment
	Earthquake Engineering and Engineering Vibration
	Geotechnical and Geological Engineering
Taylor & Francis	Civil Engineering and Environmental Systems
John Wiley & Sons	Inter. Journal for Numerical and Analytical Methods in Geomechanics

Conference
3nd European and Mediterranean Structural Engineering and Construction Conference, (EURO-MED-SEC 3), 3-8 August 2020, Limassol, Cyprus
2nd Conference of the Arabian Journal of Geosciences (CAJG) – Springer, 25-28 November 2019, Sousse, Tunisia
Geo-Risk 2017: Reliability-Based Design and Code Developments, Denver, Colorado, United States. June 4–7, 2017. Geo-Institute of ASCE
GeoRisk 2011: Geotechnical Risk Assessment and Management, Atlanta, Georgia, United States. June 26-28, 2011. Geo-Institute of ASCE |

Publisher	Book proposals
ASCE	Book proposal related to slope repair

ACHIEVEMENTS

Distinguished papers

ScienceDirect Top25 Hottest Articles (Elsevier)

Pantelidis, L. (2009). Rock slope stability assessment through rock mass classification systems. *International Journal of Rock Mechanics and Mining* Sciences, *46*(2), 315-325. doi:10.1016/j.ijrmms.2008.06.003

Subject area: Engineering
Journal: International Journal of Rock Mechanics and Mining Sciences
Ranking: #8 (Full year Jan. 2013 – Dec., 2013),
#7 (Full year Jan. 2012 – Dec., 2012),
#5 (Full year Jan. 2011 – Dec., 2011),
#3 (Academic year Oct. 2009 – Sep., 2010),
#1 (Jan. – Mar., 2009),
#2 (Apr. – June, 2009; Apr. – June, 2011);
Source: *http://top25.sciencedirect.com/*
These are only some selected ranking positions of the above-mentioned paper in the "ScienceDirect Top25 Hottest Articles" lists. The paper was appearing in all relevant lists on quarter year basis. Although the website in question is no longer available, the lists are available in email form sent by sciencedirect@elsevier.dmdelivery.com.

Gravanis, E., **Pantelidis, L.** & Griffiths, D.V. (2014). An analytical solution in probabilistic rock slope stability assessment based on random fields. *International Journal of Rock Mechanics and Mining Sciences, 71*(8), *19-24.* doi:10.1016/j.ijrmms.2014.06.018

Subject area: Engineering
Journal: International Journal of Rock Mechanics and Mining Sciences
Ranking: #6 (July – Sept., 2014)
Source: *http://top25.sciencedirect.com/*
(the website in question is no longer available)

Top 25 Hottest Articles

Engineering International Journal of Rock Mechanics and Mining Sciences
July - September 2014

1. **A review of techniques, advances and outstanding issues in numerical modelling for rock mechanics and rock engineering** • Review article
   International Journal of Rock Mechanics and Mining Sciences, Volume 40, Issue 3, April 2003, Pages 283-353
   Jing, L.

2. **A bonded-particle model for rock** • Article
   International Journal of Rock Mechanics and Mining Sciences, Volume 41, Issue 8, December 2004, Pages 1329-1364
   Potyondy, D.O.; Cundall, P.A.

3. **Poisson's ratio values for rocks** • Review article
   International Journal of Rock Mechanics and Mining Sciences, Volume 44, Issue 1, January 2007, Pages 1-13
   Gercek, H.

4. **Simulation of shale-proppant interaction in hydraulic fracturing by the discrete element method** • Article
   International Journal of Rock Mechanics and Mining Sciences, Volume 70, September 2014, Pages 219-228
   Deng, S.; Li, H.; Ma, G.; Huang, H.; Li, X.

5. **Computer simulation of hydraulic fractures** • Article
   International Journal of Rock Mechanics and Mining Sciences, Volume 44, Issue 5, July 2007, Pages 739-757
   Adachi, J.; Siebrits, E.; Peirce, A.; Desroches, J.

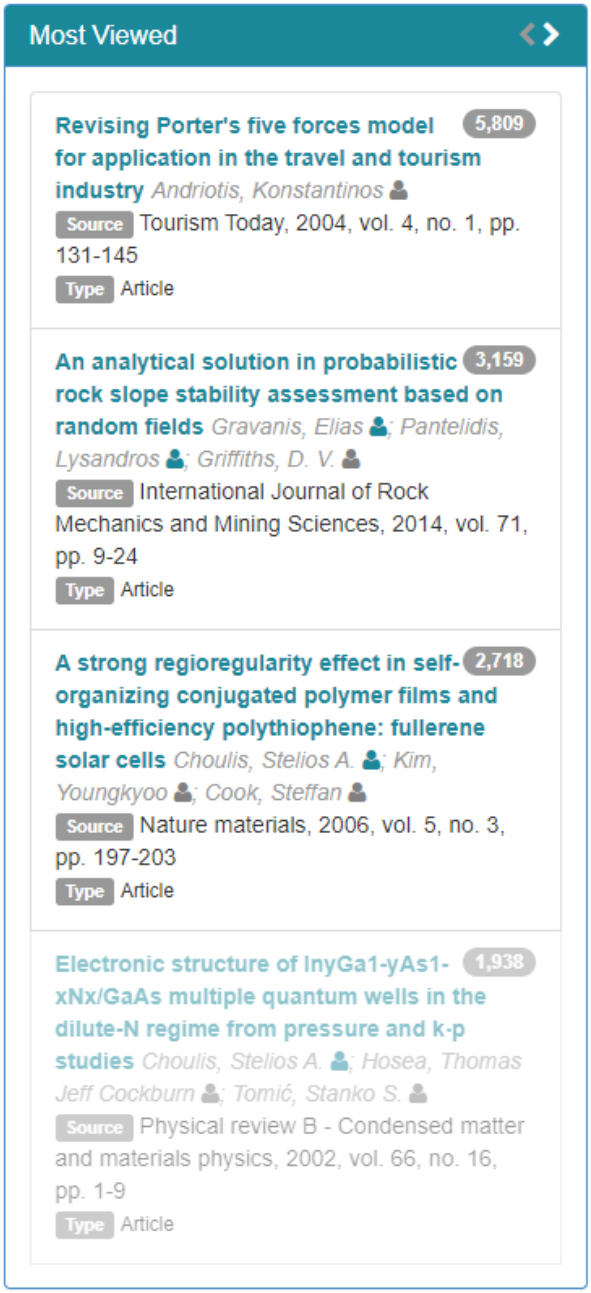
6. **An analytical solution in probabilistic rock slope stability assessment based on random fields** • Article
   International Journal of Rock Mechanics and Mining Sciences, Volume 71, October 2014, Pages 19-24
   Gravanis, E.; Pantelidis, L.; Griffiths, D.V.

7. **Numerical methods in rock mechanics** • Review article
   International Journal of Rock Mechanics and Mining Sciences, Volume 39, Issue 4, June 2002, Pages 409-427
   Jing, L.; Hudson, J.A.

Most viewed Cyprus University of Technology articles

Gravanis, E., **Pantelidis, L.** & Griffiths, D.V. (2014). An analytical solution in probabilistic rock slope stability assessment based on random fields. *International Journal of Rock Mechanics and Mining Sciences, 71*(8), *19-24.* doi:10.1016/j.ijrmms.2014.06.018

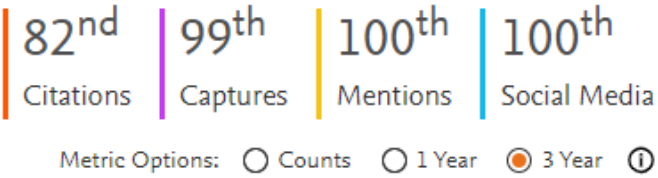
2nd "most viewed" paper among all of Cyprus University of Technology. Source: https://ktisis.cut.ac.cy/?locale=en



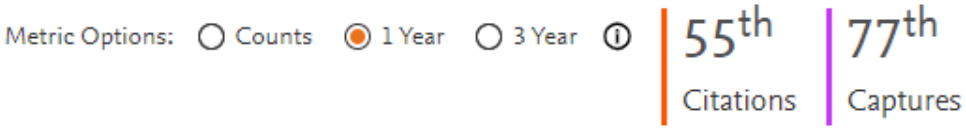
Paper published in 2014, that is, 10, 8 and 12 years after the 1st, 3rd and 4th paper appearing in the list.

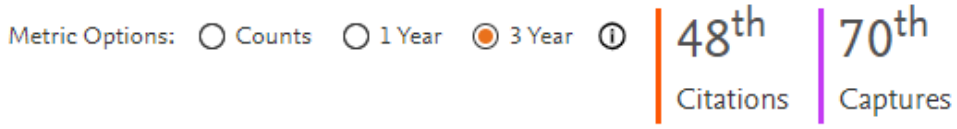
Elsevier's PlumX Metrics

Pantelidis, L. (2009). Rock slope stability assessment through rock mass classification systems. *International Journal of Rock Mechanics and Mining* Sciences, *46*(2), 315-325. doi:10.1016/j.ijrmms.2008.06.003



Gravanis, E., **Pantelidis, L.** & Griffiths, D.V. (2014). An analytical solution in probabilistic rock slope stability assessment based on random fields. *International Journal of Rock Mechanics and Mining Sciences*, 71(8), *19-24*. doi:10.1016/j.ijrmms.2014.06.018





Interpretation: the xrd (or xth) means that the article in question performs better that x% of the articles published in that journal in the time span selected (i.e. the "1 Year" means the year 2019 while the "3 Year" means the years 2019, 2018 and 2017)

Citation counts in PlumX are measures of how many times your research has been cited by others.

Captures track when end users bookmark, favorite, become a reader, become a watcher, etc.

Mentions are the blog posts, comments, reviews, and wikipedia links about your research.

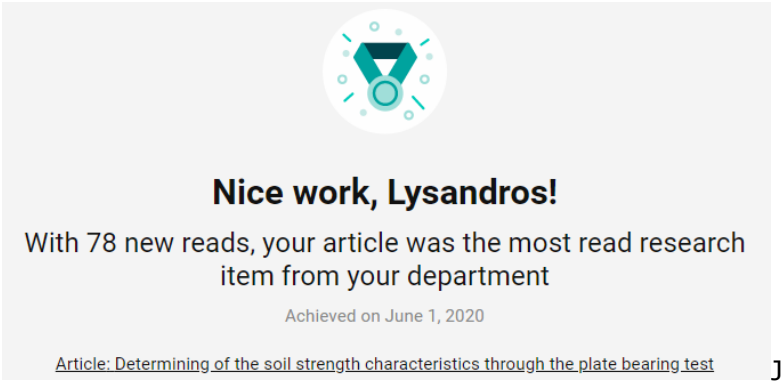
Social media metrics are the +1s, likes, shares, and tweets about research.

For more about PlumX metrics please visit: https://plumanalytics.com/learn/about-metrics/

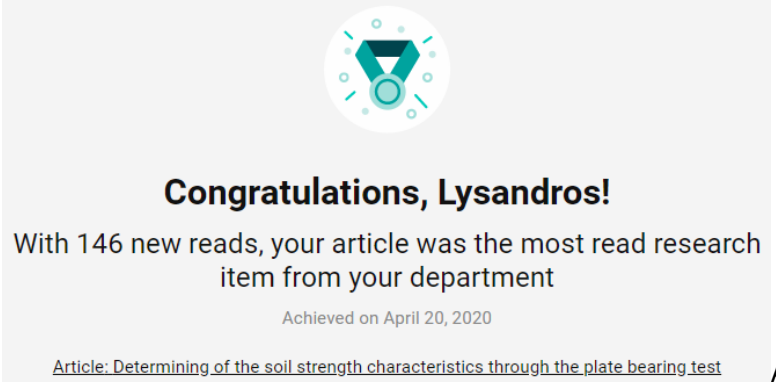
Researchgate's most read research items

Pantelidis, L. (2008). Determining of the soil strength characteristics through the Plate Bearing Test. Foundations of Civil and Environmental Engineering (FCEE), 11, 55-65. Invited paper.

"most read research item" of the Department of Civil Engineering and Geomatics of the Cyprus University of Technology.
Source:
https://www.researchgate.net/profile/Lysandros_Pantelidis/achievement



June 1, 2020



April 20, 2020

Other

Who's Who in the World

Biography included in Marquis "Who's Who in the World 2011" (28th edition)

Pantelidis, L. (2005). Determination of soil strength characteristics performing the Plate Bearing Test. In W. Grabowski (Ed.), Proceedings of 3rd International Conference on Modern Technologies in Highway Engineering (pp. 497-506). Poznan, Poland: Poznan University of Technology.

The paper in question was chosen as one of the best of the conference and invited for publication in the journal Foundations of Civil and Environmental Engineering (FCEE).

SCIENTIFIC MEMBERSHIPS

- Technical Chamber of Greece, Civil Engineer, *July 2002 - Present*
- Memberships appointed by the Cyprus Organization for Standardization (CYS)
    - CEN/TC 250/SC 7, Eurocode 7 - Geotechnical design, CEN Committee member
    - CEN/TC 250/SC 8, Eurocode 8: Earthquake resistance design of structures, CEN Committee member
    - CYS/TC 18/SC 7, Geotechnical design, National committee member
    - CYS/TC 4, Bricks, National committee member
    - CYS/TC 5, Natural Stones, National committee member
    - CYS/TC 17, Bituminous Concrete, National committee member
- Cypriot Society of Soil Mechanics and Geotechnical Engineering (CSSMGE), 2017 – Present (member of the executive committee until May 2020)
- Geo-Institute (ASCE), *Jan*. *2014 - 2015*
- International Association for Computer Methods and Advances in Geomechanics (IACMAG), *Jan*. *2009 – Dec. 2013*

SEMINARS

Aristotle University of Thessaloniki (Thessaloniki, Greece), *Nov. 14, 2005*
School of Rural and Surveying Engineering
Topic: Monitoring of Deformations and Micro-movements – Application of Optical Fibers Technology

Hellenic Center of Productivity (Thessaloniki, Greece), *Oct. 1997 – Dec. 1997*
Topic: Desktop Publishing (duration: 250 hrs)

LANGUAGES

Greek:	Native
English:	Certificate of Proficiency in English (University of Michigan)