INFORMACION PERSONAL

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ADSCRIPCIÓN, SITUACIÓN ACTUAL

Posición: Profesor Titular de Universidad

Fecha inicial:

Área de conocimiento: Ingeniería del Terreno

Institución: Universidad Politécnica de Madrid

Departamento/Centro: Dpto. de Ingeniería y Morfología del Terreno/ Escuela Técnica Superior de Ingeniería de Caminos, Canales y Puertos

PUBLICACIONES

Resumen e índices

Agencias	Nº Documentos	Nº Citas	h-index	Q1	D1
WoS					
Scopus	82	2588	11		

Resumen:

Artículos: 62

Libros: 1

Capítulos de libro; 5

Congresos: 17

Tesis dirigidas: 6

Articulos en revistas científicas (Publicaciones más recientes)

1. Application of artificial neural networks for predicting the bearing capacity of the tip of a pile embedded in a rock mass. Millán MA, Picardo A, Galindo R. Engineering Applications Of Artificial Intelligence - 1/9/2023 (Q1 del JCR).
2. Panique D, Galindo R, Patiño H (2021). Long-term dynamic bearing capacity of shallow foundations on a contractive cohesive soil. Acta Geotechnica, (Published: 05 August 2021). doi: 10.1007/s11440-021-01317-3. (Q1 del JCR).

3. Galindo R, Millán MA (2021). An accessible calculation method of the bearing capacity of shallow foundations on anisotropic rock masses. Computers and Geotechnics, 131(3):103939. doi: 10.1016/j.compgeo.2020.103939. (Q1 del JCR).
4. Millán MA, Galindo R, Alencar AS (2021). Application of Artificial Neural Networks for Predicting the Bearing Capacity of Shallow Foundations on Masses. Rock Mechanics and Rock Engineering, 54(4): 5071-5094. doi: 10.1007/s00603-021-02549-1. (Q1 del JCR).
5. Serrano A, Galindo R, Perucho A (2021). Ultimate bearing capacity of low-density volcanic pyroclasts: application to shallow foundation. Rock Mechanics and Rock Engineering, 54(2): 6109-6131. doi: 10.1007/s00603-020-02341-7. (Q1 del JCR).
6. Cao Z, Xu B, Cai Y, Galindo R, Li C (2020). Solution of the ultimate bearing capacity at the tip of a pile in anisotropic discontinuous rock mass based on the Hoek-Brown criterion. International Journal of Geomechanics, 21(2):04020254. doi: 10.1061/(asce)gm.1943-5622.0001919. (Q2 del JCR).
7. Panique D, Galindo R, Patiño H (2020). Bearing capacity of shallow foundation under cyclic load on cohesive soil. Computers and Geotechnics, 123:103556. doi: 10.1016/j.compgeo.2020.103556. (Q1 del JCR).
8. Sanz P, Sanz E, Galindo R, Escavy JI, Menéndez-Pidal I (2020). Retrospective analysis of the Pico del Castillo de Vinuesa large historical landslide (Cordillera Iberica, Spain). Landslides, 17(3). doi: 10.1007/s10346-020-01459-7. (Q1 del JCR).
9. Galindo R, Lara A, Melentijevic S (2019). Hysteresis model for dynamic load under large strains. International Journal of Geomechanics, 19(6):04019051. doi: 10.1061/(asce)gm.1943-5622.0001428. (Q2 del JCR).
10. Galindo R, Serrano A, Olalla C (2017). Ultimate bearing capacity of rock masses based on modified Mohr-Coulomb strength criterion. International Journal of Rock Mechanics and Mining Sciences, 93:215 -225. doi: 10.1016/j.ijrmms.2016.12.017. (Q1 del JCR).
11. Serrano A, Olalla C, Galindo R (2016). Ultimate bearing capacity of an anisotropic rock mass using the modified Hoek and Brown failure criterion. International Journal of Rock Mechanics and Mining Sciences, 83: 24 - 40. doi: 10.1016/s0148-9062(97)00337-9. (Q1 del JCR).

Proyectos de investigación (5 más recientes)

- Title: ***Dynamic investigation produced by the effect of waves on port dikes***
  Main researcher: *Antonio Soriano Peña*
  Collaborating researcher: *Rubén Galindo and Jesús González*
  Funding entity: *Puertos del Estado (Competitive Call)*
  Duration (start date - end date): *01/01/2010-31/01/2013*
  Funding received (in euros): *350.000*
  Relationship with the project presented: *Testing, numerical modeling and implementation of a new constitutive model*
- Title: ***Investigation of the mechanical behavior of volcanic rocks in the Canary Islands: application to public works***
  Main researcher: *Claudio Olalla*
  Collaborating researcher: *Alcibiades Serrano, Rubén Galindo and Luis Hernández*
  Funding entity: *Gobierno de Canarias*
  Duration (start date - end date): *01/09/2010-01/09/2013*
  Funding received (in euros): *180.000*
  Relationship with the project presented: *Volcanic Rocks*

- Title: ***Development and validation of an application for the determination of the rupture hydrograph of dams of loose materials from the particular geomechanical configuration***
  Main researcher: *Miguel Ángel Toledo*
  Collaborating researcher: *Claudio Olalla and Rubén Galindo*
  Funding entity: *MINECO (Competitive Call)*
  Duration (start date - end date): *01/01/2016 - 01/01/2020*
  Funding received (in euros): *300.000*
  Relationship with the project presented: *Risk Analysis and Monte Carlo Methodology*
- Title: ***New procedure for the design and control in real time of the rheological behavior of containment structures in large linear works***
  Main researcher: *Claudio Olalla and Rubén Galindo*
  Collaborating researcher: *Alcibiades Serrano*
  Funding entity: *MINECO (Competitive Call)*
  Duration (start date - end date): *01/01/2016 - 01/01/2020*
  Funding received (in euros): *300.000*
  Relationship with the project presented: *Development of singular tests, development of an interaction model and numerical modeling*

Contratos

- Commercial patents for 3 rock mechanics software: "SUPROCK", "PILEROCK" and "ANISOROCK" (**Reference:** *M-002660/2012; M-002667/2012; M-002664/2012*) from the collaboration agreement and contract "Civilrock: software implementation for foundations of footings and piles in rock" (2015). Authors: Rubén Galindo and Claudio Olalla.
- Title: ***Investigation of the geotechnical behavior of the Cobre and Gossan mining wastelands and their use in waste dams***
  Main researcher: *Claudio Olalla*
  Collaborating researcher: *Rubén Galindo and Jesús González*
  Funding entity: *Eptisa*
  Duration (start date - end date): *01/09/2011 - 01/09/2015*
  Funding received (in euros): 175,000
  Relationship with the project presented: *Laboratory tests, numerical modeling and slope stability calculation*
- Title: ***Research on rock mechanics and soil dynamics.***
  Main researcher: *Claudio Olalla*
  Collaborating researcher: *Rubén Galindo and Alcibiades Serrano*
  Funding entity: *Puertos del Estado*
  Duration (start date - end date): *01/09/2012-01/09/2015*
  Funding received (in euros): *30.000*
  Relationship with the project presented: *Volcanic Rocks*
- Title: ***Investigation of heterogeneous materials in nuclei of dams***
  Main researcher: *Claudio Olalla and Rubén Galindo*
  Collaborating researcher: *Alcibiades Serrano and Eugenio Sanz*
  Funding entity: *Arpo*
  Duration (start date - end date): *01/01/2015-01/01/2017*
  Funding received (in euros): *30.000*
  Relationship with the project presented: *Risk Analysis and Monte Carlo Methodology*
- Title: ***Development of application for the seismic and comparative characterization between regulations of different South American countries***

Main researcher: *Claudio Olalla and Rubén Galindo*
Funding entity: *Typsa*
Duration (start date - end date): *06/01/2016 - 06/01/2018*
Funding received (in euros): *30.000*
Relationship with the project presented: *Software Development*

Tesis Doctorales

Carga de hundimiento de cimentaciones en macizos rocosos anisótropos. Galindo Aires, Ruben (Director), Millán Muñoz, M.A. (Director), Doctorando: Jose Luis De Andres Hernandez. 2023

Capacidad soporte de cimentaciones profundas en macizos rocosos. Millán Muñoz, M.A. (Director), Galindo Aires, Ruben (Director) Doctorando: Alberto Picardo Pérez. 2023

Materiales heterogéneos para su utilización en núcleos de presas de materiales sueltos. OLALLA MARAÑON, CLAUDIO (Director) Galindo Aires, Ruben (Director) Doctorando: Sánchez Martín, José. 1/1/2021

Análisis retrospectivo de grandes paleo-deslizamientos de ladera: estudio de tres casos en España. Galindo Aires, Ruben (Director) Doctorando: Sanz de Ojeda, Pablo. 1/1/2021

Cálculo de la capacidad de soporte de cimentaciones superficiales bajo carga cíclica en terreno cohesivo. Galindo Aires, Ruben (Director) Doctorando: Panique Lazcano, Daniel. 1/1/2021

Modelos de comportamiento para el control de pantallas ancladas en terrenos con fluencia. OLALLA MARAÑON, CLAUDIO (Director) Galindo Aires, Ruben (Director) Doctorando: Montero Cubillo, Natalia Sali. 1/1/2020

Factores de corrección para el cálculo de la carga de hundimiento de cimentaciones superficiales apoyadas en macizos rocosos. Rubén Ángel Galindo Aires (Director) Svetlana Melentijevic (Director) Doctorando: Ana Teresa Santos de Alencar. 1/1/2020