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POLITÉCNICA "Ingeniamos el futuro" | CAMPUS DE EXCELENCIA INTERNACIONAL

Horizon 2020 Programme

JOB OFFER

"Contrato por obra o servicio con cargo a proyectos de investigación" *

Temporary contract for a specific project or service charged to Research projects *

Madrid, 30 November 202 *Day/Month/Year*

1. Profile (select)**:** (●) Research ( ) I+D Management

2. Professional category: POSTGRADUADO NO DOCTOR

3. Task to be develop:
(to be included in the contract)

Project 'illuMINEation':
Selection and testing of sensors for grade control while drilling and/or in the stope.
Measurement while drilling (MWD): geotechnical and mechanical characterization for (i) appropriate borehole pattern and blast design as a function of rock resistance; (ii) detection of weakness zones; (iii) ensure optimal ore / rock fragmentation; (vi) stability of pit wall, stope or tunnel roof.
Geological mapping and ore classification for (i) accurate ore grade designation; (ii) accurate spatial location of ore / waste boundaries; (iii) automatic ore grading.

4. Place of work: ETSI MINAS Y ENERGÍA

5. Address: Ríos Rosas, 21. 28003 Madrid. Spain

6. Working time: 37,50 h/week (Full-time =37,5 h/week)

7. Annual gross salary(€): €23.500,00

8. Expected duration (months) 12 **9. Expected start date:** 01-01-21

10. Required degree: Master's degree. Mining, Geotechnics, Geological Engineering. Other similar may be acceptable

11. Required experience: Underground surveying. UAV and terrestrial photogrammetry 3D modeling. Rock drilling. Rock blasting. Field measurements. Matlab.

12. Other
(Research group, research line, special conditions, etc., deemed necessary to clarify)

Explosives and Blasting Lab at ETSI Minas y Energía - Mining and Geology Department.

Applicants must sent a curriculum vitae to: ja.sanchidrian@upm.es (e-mail)

Deathline for curriculum vitae admission: *Day/Month/Year* 12 December 202 at 23:59 a.m./p.m. hours

NOTE: The job offer must remain published in the noticeboard of the center and/or web,during at least 10 calendar days

Responsible Researcher: José Angel Sanchidrián Blanco

Firmado digitalmente por José Angel Sanchidrián Blanco
Fecha: 2020.12.01 00:06:17 +01'00'

Stamp of the institution

Signed: José Angel Sanchidrián Blanco.....

[Name and surname]

JOB OFFER AND RESOLUTION PUBLISHED in:

Date of publication: Day/Month/Year 01 / 12 / 2020

Date of resolution: Day/Month/Year 13 / 12 / 2020

Noticeboard of the institution: ETSI MINAS Y ENERGÍA

Web (Please indicate the complete web address and attach a screen copy: http://www.minasyenergia.upm.es/ https://euraxess.ec.europa.eu/

* There are 5 working days to appeal the resolution from the date of publication of the resolution.
Attach: signed resolution / open selection criteria, transparent and based on professional merits / composition of the selection committee (minimum 3 persons).