



Researcher (R1/R2) in Explosives & Blasting Lab

The Explosives and Blasting Lab (<https://sites.google.com/site/explosivesmadridupm/>) is the explosives section of INGEOMOD (Georesources, Modeling, and Engineering Research Group) at the Technical University of Madrid. Research Lines cover: Rock Blasting, Detonation Physics, Explosion Physics, Numerical Modeling and Field Measurements.

The Explosives and Blasting Lab under an European H2020 project SLIM (*Sustainable Low Impact Mining solution for exploitation of small mineral deposits based on advanced rock blasting and environmental technologies*) invites applications for

DOCTORAL CANDIDATE OR POSTDOCTORAL POSITION

for a fix-term to 4 years employment, actual salary depending on previous professional experience in relevant fields.

Description

Responsibilities:

- Research in the field of rock blasting, fragmentation, and modeling
- Experimental work, on-site conditions
- Participation in teaching (up to 5% of the annual working time)

Requirements:

- MSc or MEng in Mining, Geology or related fields
- Excellent academic credentials
- Good in English
- Willingness to work in international projects
- Willingness to teamwork and dedication

Additional requirements. Positively valued will be:

- Experience in research
- Experience in using numerical codes like LS-DYNA or ANSYS

Career Stage:

- Early stage researcher or 0-4 years (Post - Graduate)
- Experienced researcher or 4-10 years (Post-Doc)

Research Profiles:

- First Stage Researcher (R1)
- Recognized Researcher (R2)

Starting date: from November 2016. The vacancy will be closed as soon as we find the right candidate.

Application: Interested candidates should submit their Curriculum Vitae (including contact information for two references) and a one-page statement of their research objectives to ja.sanchidrian@upm.es.