



INSTITUTE OF ROCK STRUCTURE AND MECHANICS

Academy of Sciences of the Czech Republic, v.v.i.

The Director of the Institute of Rock Structure and Mechanics of the Czech Academy of Sciences (IRSM of the CAS) announces a vacancy announcement for the position of

**Researcher/Postdoctoral Researcher/Scientific Assistant
in the Department of Applied Rock Mechanics starting on 1 October 2025.**

The IRSM CAS is a scientific institute of the Czech Academy of Sciences, focusing on the research of the structure and properties of rocks. The Department of Applied Rock Mechanics became part of the IRSM as of 1 January 2024. The department deals with the study of physical and mechanical properties of rocks and their response to mechanical and thermal stresses in different temporal regimes.

Scope of work:

- Carrying out research focused on the thermally induced weathering of rocks
- Applying field measurement techniques and methods to characterize physical and mechanical properties of rocks and their weathering rates (on-site and remote – UAV, thermal camera)
- Morpho-structural mapping and characterization of rock outcrops
- Carrying out basic geotechnical tests (UCS, Tensile Strength, Fracture toughness)

What we expect:

- Ph.D. in science or engineering
- Experience in fieldwork and mapping of rock outcrops
- Knowledge of engineering geology and geotechnical methods
- Experience in rock sample collection and preparation
- Knowledge of the English language at least at B1 level
- Basic knowledge of programming (MatLab, etc.)
- Knowledge of GIS software (ArcGIS Pro, etc.)
- Willingness to learn new things
- Active publishing in international peer-reviewed journals

What we offer:

- Working with unique instruments and technologies in a friendly team
- Opportunity to implement your own ideas and thoughts
- Flexible FTE (50-100%)
- Flexible working hours
- Salary classification according to the regulations of the IRSM CAS
- Background of a medium-sized institute of the Academy of Sciences and a pleasant working environment
- Social benefits (25 vacation days, 5 sick days, meal allowance)

Please contact Dr. Jan Blahůt, Ph.D. (blahut@irsm.cas.cz) with any questions regarding the positions.

Please send written offers including a motivation letter (1-page maximum) and a structured professional CV by **30.8.2025** to the following email address: burdova@irsm.cas.cz.

RNDr. Filip Hartvich, Ph.D.
Director of the IRSM CAS