



## Impact assessment of environmental stressors on the stability of rock cliffs by acoustic sensing

10/11/2023, h. 14.30-15.30

Aula Lucchesi



**Dr. Yanan Qian**

[yananqian.guest@uniroma1.it](mailto:yananqian.guest@uniroma1.it)

Ph.D. student, Department of Earth Science,

"Sapienza" University of Rome, Italy

Seasonal variations in natural environmental **stressors** through perturbations at **microscopic** levels may prepare to **hazardous** events both on slopes and underground contexts, potentially resulting in serious casualties and economic losses. Hence, through this seminar for microscopic health monitoring of unstable rock volume of **AcutoField Lab**, Italy, a **methodology** will be communicated for a high resolution detection, characterization of **acoustic emission** and their correlation with environmental stressors.