

NORSAR is an independent geo-scientific research foundation established in 1968, specializing in software solutions and research activities within applied and pure seismology. NORSAR operates some of the world's largest seismological observatories, and has more than 40 years of experience in seismological data processing and analysis. Read more about us on <http://www.norsar.no>.

Two PostDoc Positions within Microseismic Monitoring

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Projects, roles and tasks

Within the EU-project GEISER (Geothermal Engineering Integrated Mitigation of Induced Seismicity in Geothermal Reservoirs) NORSAR offers a two-year PostDoc position on the analysis of microseismic events. In this project the candidate will work with microseismic data sets from geothermal reservoirs. The development of a seismic velocity inversion method with application to microseismic data is the main objective. The tasks will also include an improvement of automatic microseismic event analysis such as source parameter determination and location methods.

Within the SafeCO₂ project (Safety Monitoring of CO₂ Storages Using Microseismicity and 4D Seismic Modelling) NORSAR offers a three-year Post Doc position. In this project a new location technique that combines phase picking with migration-based methods will be further developed and applied to microearthquake data. The results will be linked with interpretation of 4D seismic modeling and boundary element stress field computations, where the candidate will also be involved and is expected to get familiarized with.

Qualifications and terms

Both candidates need to have programming skills and sound education in general seismological concepts. A PhD in geosciences, physics or mathematics is required for both positions. The candidates will work in an international team with English as working language.

Both positions will remain open for applications until filled. Candidates may be requested to pass professional selection procedures. Applications should be received as soon as possible.

For additional information please contact:

Dr. Volker Oye, NORSAR, P.O. Box 53, NO-2027 Kjeller, Norway

Tel: +47-63805900; E-mail: volker.oye@norsar.no

Applications with documentation of competence and experience (full CV) should be sent electronically to Ms. Winnie Lindvik, e-mail: winnie@norsar.no.