

MSC research opportunity at artEmis

ArtEmis, <https://www.artemisproject.eu/> is a cross disciplinary research project that offers a most exciting environment for PhD students and/or postdocs looking for a postdoc position. We are looking for a candidate with experience in nuclear instrumentation. We will support your Marie Skłodowska Curie application with our best efforts. For more information about the

EU program Marie Skłodowska-Curie Action Postdoctoral Fellowship (MSCA PF):

<https://marie-sklodowska-curie-actions.ec.europa.eu/news/msca-opens-eu417-million-call-for-postdoctoral-fellowships> which has a deadline on 11 September.

ArtEmis combines the development and placement of advanced sensors involving nuclear techniques with Seismology, Geology and Artificial Intelligence. ArtEmis is supported by EU HORIZON-EURATOM programme.

The tasks for the postdoctoral work will be in different areas, like sensor development, development of smart sensors, networking- communication, data analysis by using the tools of AI. The candidate can focus on different areas of research depending on his/her interests, skills and needs of artEmis. Basic work will be carried out at the Royal Institute of Technology (KTH), Stockholm and at GSI, Darmstadt.

We are willing to give further information to interested candidates.

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Summary of the ArtEmis project: *Artemis (<http://www.artemisproject.eu/>), is a Horizon-Euratom project (101061712 — artEmis — HORIZON-EURATOM-2021-NRT-01) funded by the European Commission which brings together 14 partners from 9 countries. It started on 1st October 2022 with the aim of addressing one of the most damaging natural hazards on earth: earthquakes. The ultimate goal is to improve radon based earthquake forecasting methods. The artEmis project will develop a smart and cheap sensor system with about 100 units monitoring radon, temperature, acidity and other observables in ground water in real time. The data from the sensor system will be combined with seismic and geological data and analysed via machine learning algorithms. The sensors will be placed along fault zones in earthquake prone areas in Greece and Italy, and in Switzerland.*