

Call for contribution of expertise

CERN invites collaborating institutes and universities to contribute with the expertise of their qualified employees to the activity described below.

Start date: 1.02.2020

Duration: One year, possible extension to a maximum of up to three years.

Project/Activity: Mechanical Engineer for implementation of transport and handling solutions

Detailed description of Activity:

You will join the team in charge of transport operations to:

- Design and implement transport and handling solutions to install equipment's in surface and underground facilities.
- Conduct Computed Aided Design (CAD) simulation of transport scenario.
- Conduct feasibility studies for equipment's installation.
- Design new tooling and special equipment's (e.g.: lifting beam, supports, new transport equipment's, etc...) including documentation for certification.

Profile: Master degree in Mechanical Engineering or equivalent technical experience. A first experience in a design office in the field of mechanical or structure engineering, with an industrial or technical background would be a strong asset.

Specific details: You will be working in a dynamic team and will be given the opportunity to specify, design, document and commission the components you have designed. Knowledge of quality standards, design procedures, structure and stress (FEM) calculations using Ansys would be a strong asset.

Good working knowledge of either English or French is required.

Status at CERN: Associated Member of the Personnel (Project Associate).

Conditions in accordance with CERN's Staff Rules and Regulations and Administrative Circular No. 11. Subsistence allowance is payable by CERN to cover the additional cost arising from the individual's (and, as applicable, their family's) stay in the local area while performing activities at CERN.

Option: Collaborating institutes and universities can propose to support the activity of the qualified employees participating in this "Call for contribution of expertise" with students or other employees. Their status and Subsistence allowance when applicable will be adapted to their relation with their institutions

Contact person: Isabel Bejar Alonso

Reference: 2019_Q2_014