

Call for contribution of expertise

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

Start date: Asap

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

Project/Activity: Computer technologist for the development of the Optical Fibre Registration System

Detailed description of Activity:

The expert will participate in the development of software tools, trainings and general usage of NetGeo2: a new management software that CERN introduced to register the whole optical fibre infrastructure. In particular will support the optical fibre project manager in:

- software installation, maintenance, troubleshooting and establishing user manuals;
- collecting the registration needs, develop and maintain as necessary data import mechanisms from different files (e.g. Excel, Visio, etc.);
- participating in the development and maintenance of synchronisation mechanisms with other databases;
- Establishing new components models and configuration settings as required;
- Organising and preparing training sessions as necessary;
- Supporting the fibre unit team for the registration of new and existing installations;
- Preparing data coming from technical files, excel or databases for importing into NetGeo2;
- Organising and conduct field inspection for data collection;
- Working on optical fibre installation tasks, as required.

Profile: Bachelor degree in information technology or equivalent. Preferably Good knowledge in Oracle Databases, SQL, C# programming language; Familiar with the Microsoft Visual Studio IDE and IIS Application Server; Basic knowledge of fibre optics and their applications.

Specific details: Will be requested to work in controlled radiation areas, underground premises (machine tunnels, galleries, experimental areas). Excellent team-working attitude. Valid driving license. Good working knowledge of either English or French.

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: 2017_Q3_025_EL_Optical_Fibre