

## 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:* Software Engineering

### *Detailed description of Activity:*

- Analyze requirements coming from the engineering community in the scope of engineering data management, in particular integration, configuration and layout management;
- Design and further develop the Panoramas application which gives 360 degrees view of the LHC accelerator and its injectors (Java, JavaScript, CSS);
- Conceive and develop a solution for merging accelerator layout schematics to achieve a global view on the LHC tunnel allowing zooming in to the granularity of a single component installed;
- Participate in evaluation and testing of CAD integration software solutions allowing different CAD tools to work together (such as CATIA and REVIT);
- Participate in testing and code reviews, prepare technical and end-user documentation;
- Provide user support.

*Profile:* Software engineer. Experience in software design and development, specifically in the domains of web development and relational databases.

*Specific details:* Good knowledge of Java and SQL programming languages, knowledge of web technologies (HTML5, CSS, JavaScript), familiarity with SCRUM methodology would be an advantage. Good level of English.

*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

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*Reference:* 2017\_2Q\_006