

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: 1/1/2019

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

Project/Activity: PLC/SCADA software development for power converter control systems

Detailed description of Activity:

You will join the Electrical Power Converters Group to:

- Develop and test PLC software: Siemens TIA Portal and CERN's UNICOS framework.
- Develop and test industrial human machine interfaces: WinCC-OA SCADA.
- Participate in the upgrade of large distributed control systems during the long shutdown 2.

Profile: Masters degree in automation engineering, software engineering or similar. Preferably experience in industrial control systems (Siemens PLC, SCADA), C/C++ and Linux. Knowledge of WinCC-OA, power electronics or electrical engineering would be an asset.

Specific details: The work related to this post will be most of the time carried out in office environment. Access to the TE-EPC-CCS software laboratory will be required to test SW prototypes.

Behavioural skills: flexibility, organizational, teamwork. 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

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Reference: 2018_Q4_028