

## 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:* Asap

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

*Project/Activity:* Techlab Systems Management

### *Detailed description of Activity:*

Techlab is an IT project aiming at improving the efficiency of the computing architecture and making better utilisation of the processors (CPU, GPU, FPGA, etc...) available today.

This role is supported by WLCG and the expert will:

- Participate in elaborating the Techlab offer, by liaising with the Techlab community and by closely following and analysing the technology and market evolutions;
- Manage requests from users, aiming at both accommodating their needs in terms of hardware and at assisting them to make optimal use of the systems;
- Maintain the Techlab systems, comprising a wide range of platforms (GPU, HPC, ARM, Power 8, etc...);
- Liaise with other teams within CERN (procurement, fabric, Linux support, Openstack, etc...).

*Profile:* Bachelor degree in computing or equivalent technical experience. General knowledge of Linux system administration. Experience with computer server hardware. Specific knowledge of Python would be an asset.

*Specific details:* Work in office most of the time with intermittent access to the CERN data centre. No shift or nights/weekends work needed. Diplomacy and excellent team-working attitude are key. Good working knowledge of English is mandatory.

*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:* Víctor M. González

*Reference:* 2019\_Q2\_009