

## 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:* Consolidation of the Real-time collaboration services technical infrastructure

### *Detailed description of Activity:*

You will integrate the Real-Time Collaboration Services team and will develop and maintain the tools and interfaces that are needed for these services. S.he will also ensure proper integration of these services in CERN conference and meeting rooms and with the global CERN collaboration environment (through the Indico event management software) and will provide direct user support. In particular s.he will work on the selection and deployment of the next-generation (if possible Open-Source) tools for the centralized and streamlined operation of the webcast and lecture recording infrastructure.

The University expert will collaborate on the development of web sites for the RTC services, of the selection/development and deployment of a new centralized lecture recording system and of a new centralized webcast operation center based as much as possible on open source components, of the selection/deployment of a new transcoding engine for CERN archived videos, on the development of communication clients for telephony

*Profile:* Master degree in with minimum 2 years' experience in software and/or web development. Experience with frontend web development (React) and Python (Django/Flask) is desirable, but other frameworks and libraries will be considered as well. Knowledge of version control systems like GIT and tools like Openshift and Docker. Knowledge of RTC protocols and standards would be a plus.

*Specific details:* Spoken and written 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

*Contact person:* **Victor M. González**

*Reference:* 2019\_Q2\_023