OFERTAS EMPLEO

Desde la iniciativa UPM Big Science, queremos informaros nuevamente que el CERN nos ofrece participar en su convocatoria de proyectos/estancias para poder trabajar colaborando con distintos grupos de investigación del CERN.

Los ámbitos de colaboración están relacionados con Informática, Ingeniería Mecánica, Electrónica y para ingenieros industriales.

Se adjuntan varios ficheros donde podéis encontrar la información ampliada de cada uno de los perfiles. Las primeras 4 ofertas están relacionadas con Informática y hay una de 6 meses financiada por Google que por ser de más corta duración a lo mejor despierta más interés.

MUY IMPORTANTE:

Las fechas para recibir solicitudes son:

- De la 30 a la 35; y la 39 candidaturas hasta el 17 de enero 2020.

- La 37 y 38 hasta el 28 de febrero 2020 (son para empezar en Junio).

- En el caso de la 39, el trabajo se puede hacer mitad en el CERN, mitad en la universidad.

En los casos que se considere un trabajo entre la universidad y el CERN se necesita una carta de una página con la motivación y como se quiere desarrollar el trabajo. En el caso de candidatura individual el CV y una carta de motivación.

Por último, la documentación debe presentarse en Inglés.

En caso de interés, poneos en contacto con José María Cogollor Delgado: jm cogollor@upm.es

Dr. José M. Cogollor I
PROMOTION AND MANAGEMENT OF UPM R+D+I INTERNATIONAL PROJECTS FOR BIG SCIENCE BUSINESS
UNIVERSIDAD POLITÉCNICA DE MADRID
Campus Sur UPM, Carretera de Valencia, Km 7, 28031 Madrid. Instalaciones del Grupo I2A2.
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:** June 2020  
**Duration:** One year, possible extension to a maximum of up to three years.

**Project/Activity:** Layout and integration

**Detailed description of Activity:**

- Preparing the 2D Lay-out drawings for each area of the LHC machine that will undergo to major modification. The drawing are built using various CAD designing tools as CATIA and other software tools capable to dynamically link the information from various databases and other sources
- Updating the HL-LHC lay-out database according to the activities mentioned at the previous point
- Interfacing with the other teams that use these information as source for their work (i.e. the accelerator beam physics team)
- Ensuring the quality and coherence of the collected information and follow the various documents approval process
- Enlarge the use of the previous available methodologies in order to provide more complete information to support the installation in the new underground caverns and integration of all technical interfaces
- Support the installation activities providing differential lay-out putting in evidence the agreed and approved modifications

**Profile:** Mechanical/Electrical/Aeronautical engineer. Self-management, personal initiative, communication skills, analytical and synthesis capabilities and a problem-solving attitude are required. Engineer background is required.

**Specific details:** Good level of English, French is an asset. Proven track of excellent university results and/or relevant professional experience. Professional user of CATIA or other 3D CAD system and have experience in the rigorous management of technical information.

**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

<table>
<thead>
<tr>
<th>Contact person: Isabel Bejar Alonso</th>
<th>Reference: 2019_Q4_037</th>
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Solicitudes hasta 28/02/2020

[Stamp: ETSIT UPN OFICINA DE PRÁCTICAS]

(City and address)
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:** June 2020  **Duration:** One year, possible extension to a maximum of up to three years.

**Project/Activity:** Production and Quality engineer

**Detailed description of Activity:**

- Guide the project engineers to identify all the requirements needed to meet the reliability, availability and technical performance of the H1 systems.
- Identify with Project engineers the manufacturing processes and their corresponding critical activities (where specific requirements need to be met to mitigate risks) and support them by the application of existing standards or, in their absence, of CERN specific procedures/controls.
- Advice and support the project engineers on risk assessment, risk reduction and control guiding in the preparation of the technical files.
- Support engineers in the preparation of documents for the tendering process of components.
- Support on the preparation, communication and dissemination of quality documentation (using CERN specific tools: EDMS, MTF,...).

**Profile:** Mechanical/Electrical/Aeronautical engineer. Experience with the design of industrial process, quality management or EU proposals is an asset.

**Specific details:** Good level of English, French is an asset.

**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 are encouraged 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:** 2019_Q4_038

**SOLICITUDES HASTA 28/02/2020**