

**Call: MNF\_IPCEI\_2L4\_24**

**Opening Date: 06/08/2024**

**Closing Date: 26/08/2024**

**New closing date: 16/09/2024**

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### *Funding reference*

*Fondo IPCEI ME/CT – Microelectronics - Continuation*

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*Intervento del PNRR M4C2-12.1*

*Responsabile del Procedimento: Alessandro Dalla Torre*

**FBK is looking for two technicians to work in the laboratories of the MNF - Micro-Nano Facility unit of the Sensors and Devices Centre (SD), this position is partially funded by the National Recovery and Resilience Plan (PNRR)**

FBK is a research institution devoted to excellence in research in numerous disciplines and designated to the role of keeping the Autonomous Province of Trento in the mainstream of European and international research. Each research area is assigned to a specific research Centre, of which there are eleven totals. Information regarding the research Centres, their activities and production are available at <http://www.fbk.eu/research-centers>.

In particular, the FBK Centre for Sensors and Devices (FBK-SD) (<https://www.fbk.eu/en/sensors-devices/>) is an applied research centre that operates in the following scientific and technological areas: quantum technologies, detectors, microsystems and integrated systems. The FBK-SD has extremely advanced technical knowhow in innovative devices design and fabrication technologies as well as in the system integration. The strategic mission of the FBK-SD is scientific excellence combined with the ability to exploit research results. The innovation model is open to collaboration in national and international expertise networks.

### **Workplace Description**

The candidate will be working in the Micro and Nano Facility (MNF) unit of FBK-SD. MNF groups most of the micro- nanofabrication and materials analysis laboratories and competencies of FBK-SD. In

MNF, the microfabrication area runs two cleanrooms: one is mainly dedicated to developing radiation sensors, and in the second one, microdevices and sensors are designed for different applications. The microfabrication area also includes a testing infrastructure, a packaging cleanroom, and an integration laboratory. More information about MNF is available at <https://sd.fbk.eu/en/research/mnf-micro-nano-facility/>.

## **Background information and description of research projects**

This position is offered within the IPCEI ME/CT project.

In the IPCEI ME/CT project, FBK intends to significantly expand and improve its manufacturing and integration facilities to achieve high-level and reliable heterogeneous production capabilities to maximise research and competitiveness in the market. In IPCEI ME 1, FBK is developing the 3D integration platform applied to SiPM and SPAD TECHNOLOGIES. Exploiting the results of IPCEI ME 1, the project will mainly work on the integration of new materials (Silicon Carbide & Germanium-on-Silicon) and heterointegration to extend the capabilities of already established silicon platforms.

## **Job Description**

The personnel belonging to the Microfabrication Area are included in the technical staff, and are characterised by a strong teamwork orientation. The technical staff autonomously manages process equipment and laboratory facilities, ensuring their productivity and efficiency by performing standard work, routine maintenance, and cooperating in internal and external extraordinary and breakdown maintenance. Furthermore, it verifies that authorised users operate the process equipment according to the prescribed procedures, providing the necessary support, including training. The dynamic and technologically innovative environment enhances and strengthens skills and creativity in solving technical and organisational challenges.

The work activity of the required figure will be indicatively divided between the following tasks

- routine/extraordinary maintenance of process equipment, support for connections of laboratory equipment to the plant system
- routine/extraordinary maintenance on laboratory equipment - technical gas circuits, cooling, UTA, deio/demi water, vacuum circuit, compressed air circuit

## Job requirements

The ideal candidate should have:

- Technical diploma in electronics or electrical engineering or higher equivalent qualification in degree;
- Experience in the relevant technical domain;
- Knowledge in electronics applied to industrial and research equipment or laboratory technical facilities;
- Knowledge of Office package (Word, Excel, PowerPoint) for managing technical documentation;
- Excellent knowledge of the Italian language, written and spoken;
- Language assessment according to the Common European Framework of Reference for Languages (CEFR): level of knowledge required. Knowledge of English will be verified during the interview on a technical or scientific topic and must be equal to or exceed level A2. Definitions of levels can be found at the following link <https://www.coe.int/en/web/common-european-framework-reference-languages/level-descriptions>;
- Good organizational skills and flexibility;
- Teamwork approach, good communication and relational skills.

## Employment

Type of contract: fixed-term contract

Working hours: full-time (38 h per week)

Start date: September 2024

Duration: 36 months

Contract type: CCPL Research Foundation Personnel

(<https://trasparenza.fbk.eu/ita/Personale/Contrattazione-collettiva/Rinnovo-CCPL-delle-Fondazioni>)

for a fourth level Technician, the current gross annual remuneration is Euro 27.825,46.

Workplace: Povo, Trento (Italy)

Benefits: flexi-time, company subsidized cafeteria or meal vouchers, internal car park, welcome office support for visa formalities and for research in accommodation, supplementary pension ([Resaver](#), [Laborfonds](#)) and health fund ([Sanifonds](#)), family-work balance, free training courses, support on bank account opening, discount on public transport, sport, language course fees, counseling and

psychological support service. More info at <https://www.fbk.eu/en/work-with-us/>

## Application

Interested candidates are requested to submit their application by completing the online form (<https://jobs.fbk.eu/>). Please make sure that your application contains the following attachments (in pdf format):

- detailed CV;
- cover letter indicating why the candidate is suitable for this position.

**Application deadline: August 26, 2024**

**New application deadline: September 16th, 2024**

## Selection process and assessment criteria

The Evaluating Committee will be appointed by the HR Director at the end of the application deadline.

The recruiting process will be handled in accordance with the "*Gender and generational equal opportunities, as well as the employment inclusion of people with disabilities in public contracts financed with the resources of the PNRR and PNC*" [guidelines](#) and with the Foundation's Gender [Equality Plan](#).

The Committee may compile the short-list of the candidates admitted to the interview, remotely or in presence. The short-list shall be compiled based on the requirements set out in the call (contained in the requirements of the job description), with the support of the screening of CVs and any other required documents.

Candidates with a minimum score will be admitted to the interview phase. Shortlisted candidates must do at least one interview with the Committee.

In case of specific need, the Selection Committee can also meet remotely, by teleconference or videoconference, provided that all members can be identified and that they are able to follow and intervene in the discussion, as well as to receive, transmit and view documents.

During the evaluation step, evaluation support tools such as tests or questionnaires may be used. Furthermore, group tests and/or practical tests may be administered.

## Evaluation criteria

The recruitment process will be based on the points obtained by the evaluation of the qualifications/expertise and the evaluation of the interview.

A maximum of 40 points will be allocated for qualifications and expertise that the candidate expresses on the resume, while the interview will be worth up to 60 points.

The interview scores will be assigned to the candidates by the Commission based on the following criteria: the presentation of the personal technical profile, knowledge of the technical sector, experience in the relevant technical domain, and language skills.

Only candidates obtaining at least 25 points in the evaluation of the qualifications and the expertise will be admitted for the interview.

The interview is considered as "passed" if the applicant obtains at least 45 points.

The final score will be used to generate the final suitability list for each job position .

### **Results of the selection process**

All candidates will be notified via email once the selection process has been completed.

The suitability list may be used to fill the position in case the successful candidate doesn't accept the job offer.

At the website <https://jobs.fbk.eu/> in the "Selection results" section, will be published the details of the selection process and the final results.

### **Diversity & Inclusion policy**

FBK actively seeks diversity and promotes inclusion in the workplace. The main aims of the FBK Diversity & Inclusion policy are to:

- promote gender equality across the research domains and on all levels by encouraging qualified female candidates to apply for job positions and by implementing specific improvements and measures as stated in the [Gender Equality Plan \(GEP\)](#)
- foster young talents development by offering opportunities to grow
- become a disability-inclusive organization by encouraging applications from candidates with a disability (Law 68/99). We provide special assistance to applicants during the recruitment procedure and [reasonable arrangements](#) for disabled staff
- promote a healthy work-life balance by offering a package of flexible working arrangements and facilities (telework, individual working time, parental leave, etc).

The FBK operates in compliance with current legislation concerning fixed-term contracts. Candidates with disabilities are invited to state whether they belong to the categories referred to in Law 68/99, and to indicate this in the curriculum vita sent in application for recruitment.

### **Processing of personal data**

Pursuant to art. 13 of EU Regulation No. 2016/679 (GDPR), we inform you that your personal data shall be processed for the management of the selection process and of the obligations connected to it, through manual, electronic and informatic means and will be guaranteed within privacy and security standards as indicated in the full [privacy policy](#).

In order to ensure and respect the principles of publicity, transparency and impartiality, the name of the successful candidate and the names of suitable candidates will be published on the FBK website following acceptance of the position.

*For further information, please contact the Human Resources Services at [jobs@fbk.eu](mailto:jobs@fbk.eu).*