

Marie Skłodowska-Curie PostDoc Positions in Germany

“Expression of Interest” for hosting Fellows

This template should be used by institutions interested in hosting postdoctoral fellows within the Marie Skłodowska-Curie Individual Fellowship programme. Host institutions should be located in Germany.

1. Valid for the following MSCA-IF Calls¹:

<input checked="" type="checkbox"/> 2019	<input type="checkbox"/> 2020
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2. Interested host institution:

Name of EU liaison officer (EU-Referent/in), if applicable:

TU Bergakademie Freiberg
Akademiestr. 6
09599 Freiberg
Germany

3. Institute/Department:

Institute of Mining and Special Civil Engineering
Chair for Underground Mining Methods
Fuchsmühlenweg 9
D-09599 Freiberg
Germany
Website: <https://tu-freiberg.de/fakultaet3/tiefbau>

4. Contact person (name and e-mail address):

Univ. Prof. Dr.-Ing. Helmut Mischo, Pr. Eng.
Tel: +49 (0) 3731 39-2044 E-Mail: Helmut.Mischo@mabb.tu-freiberg.de

¹ MSCA Individual Fellowships are selected on the basis of annual calls for proposals. Forthcoming and open calls for proposals can be found on the [Funding & tender opportunities Portal](#) of the European Commission.

5. Project idea/position (scientific requirements, topic, discipline):

Rough outline of idea/position:

The Forschungs- und Lehrbergwerk (FLB) of the TU Bergakademie Freiberg is a leading underground research laboratory within the EU. Currently more than 48 Partners from 26 countries are involved in more than 30 underground research activities.

In order to improve and foster future underground research in Europe and to improve access to the underground 3-D-research space for our future partners in Europe and beyond, under the direction of Prof. Helmut Mischo, the FLB would like to develop and implement a new e-infrastructure for all services, installations and data needed to the planning, execution, supervision and utilization of underground research and development projects.

With the aim of building a multidisciplinary team, we are looking for an experienced researcher/professional who wants to apply for a MSCA-IF and also:

- Can provide a deep and a holistic understanding in using **Big Data and Information Management Systems**.
- May have a strong interest in enhancing his/her creative and innovative potential by diversifying his/her individual competence in terms of skill acquisition through advanced training, international and intersectoral mobility.
- Have interest in acquiring and transferring new knowledge by working on research and innovation in a European context (EU Member States and Associated Countries) or outside Europe.

It would be considered an asset whether the candidate may have knowledge and capability:

- To perform new systemic innovations in areas of Industrial Internet of Things (IIoT), Artificial Intelligence and Machine Learning.
- In robotics, mining automation and sensing.
- On the EU open data standards, projects and/or initiatives.

The potential candidate should have also the ability to:

- Innovate
- Build relationships
- Advance research
- Strengthen our organization

Please tick:

- ☐ Life Sciences
- ☐ Natural Sciences
- ☒ Engineering Sciences
- ☐ Social Sciences and Humanities

6. Deadline² for considering interests by postdoctoral applicants:

Interested applicants should contact not later than September 10th, 2019.
However, we ask applicants to contact us as early as possible in order to plan and support the project in the best possible way.

² Please consider that the preparation of a Marie Skłodowska-Curie proposal requires some time and that the fellow and supervisor have to agree on a project and training opportunities for the fellow.