

“Expression of Interest” for hosting Marie Skłodowska-Curie Postdoctoral Fellowships in Germany

Institutions interested in hosting postdoctoral fellows within the Marie Skłodowska-Curie Postdoctoral Fellowships programme should use this template. Host institutions should be located in Germany.

1. Valid for the following MSCA-PF Call¹:

Please tick:

2021

2022

2. Interested host institution:

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

Mrs Xenia Rodriguez

3. Institute/Department:

Website (Hyperlink):

www.hs-duesseldorf.de

<https://flix-science.de/en/>

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

Prof. Dr.-Ing. habil. Dipl.-Wirt. Ing. Jörg Niemann

joerg.niemann@hs-duesseldorf.de

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

Rough outline of idea/position:

Within our research we focus on the design and (cost) evaluation of production systems and the design of accompanying industrial services. For our research we make use of a Microsoft HoloLens 2 device to examine and improve specific production environments. The vision is to apply this device to users (e.g. factory workers) to improve their working conditions and to enable qualified support for technical working processes by wearing the glasses during work. Possible applications are (but not limited to) the support of workers during quality inspections of parts or the training support for new employees.

¹ MSCA Postdoctoral 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.

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Task is to develop IT-based applications for the HoloLens which might range from the integration of CAD drawings up to neural networks for pattern recognition into the HoloLens programming suite.

We are looking for candidates who have both an understanding of industrial production and business background. Candidates should be eager to make use of our Microsoft HoloLens 2 device. The position requires programming skills in the area of Java. It would also be desirable to have knowledge in the field of neural networks.

Please tick:

Life Sciences

Natural Sciences

Engineering Sciences

Social Sciences and Humanities