Marie Skłodowska-Curie Post-doc Positions in Germany

"Expression of Interest" for hosting Fellows

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

1. Valid for the following MSCA-IF Calls[1]:

☒ 2019	☒ 2021
☒ 2020	☐

2. Interested host institution:

TU Chemnitz

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

3. Institute/Department:

Technische Universität Chemnitz
Faculty of Electrical Engineering and Information Technology
Chair of Digital Signal Processing and Circuit Technology
Prof. Dr.-Ing. Gangolf Hirtz

Website (Hyperlink): https://www.tu-chemnitz.de/etit/dst/professur/index.php.en

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

Roman Seidel

roman.seidel@etit.tu-chemnitz.de

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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 Participant Portal of the European Commission under "Funding Opportunities" and "Calls/H2020".

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

Rough outline of idea/position:

All European countries are facing the problem of a steadily ageing society. This trend is jointly connected with a higher demand for technical assistance systems, which can support elderly people in their daily living. In order to monitor the health status of a person, the determination of its behaviour is a central element. Conventional systems with body-carried devices are uncomfortable for the person who wears such a system. In contrast to that, contact-less optical methods based on image processing do not share this problem.

One of the main goal of this work is a consistent, time-dependent fusion of sensor data of an elderly people in an given indoor environment. The connection with related research fields is essential.

You should bring the following requirements:

- Master's degree in computer science, electrical engineering, biomedical engineering or a close related discipline

- Good knowledge in the fields of computer vision and image processing

- Knowledge in the field machine learning advantageous

- Experience in at least one of a programming language (e.g. C++, Python, Matlab)

- Excellent analysis skills and an analytical mind-set, as well as excellent communication skills, including written

- An ability to work independently and as a member of a research team

- Ability to review and engage with interdisciplinary studies

- English language proficiency. Basic knowledge of German advantageous

Please tick:

☐ Life Sciences

☐ Natural Sciences

☒ Engineering Sciences

☐ Social Sciences and Humanities

6. Deadline[2] for considering interests by post-doctoral applicants:

15.06.2019