

Partnering Opportunity

Profile Status: Published

Research & Development Request

H2020 MSCA: German large company looking for researcher with expertise in collaborative robotics, autonomous vehicles, AI

Summary

The Germany-based global leader in industrial trucks, related services and supply chain solutions is looking for a PhD/experienced researcher from outside Germany to develop a joint MSCA IF Society & Enterprise Panel Research proposal for the call 2020. The joint project to be developed together shall be in one of the following fields: collaborative robotics, autonomous vehicles, AI (artificial intelligence).

Creation Date	06 November 2019
Last Update	22 November 2019
Expiration Date	14 May 2020
Reference	RDDE20191106001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/fa9d934f-cd70-4858-9b97-80a6321b3a0d

Details

Description

The researcher must have a profile in one of the following topics:

- Collaborative robotic systems: manipulation and handling of objects, advanced machine-to-human interaction (human-robot, robot-robot), environmental perception/cognition
- Autonomous vehicles/systems: autonomous intelligent navigation and localisation, vehicle-to-vehicle communication, automation technology
- Artificial Intelligence: Image/gesture recognition, smart learning robotic systems (machine intelligence, machine learning), data analysis/analytics and algorithms.

Due to the nature of MSCA IF SE, it is not possible at this stage to give more details on the content of a possible project. This will be done together with the researcher once a matching has taken place. With a large research department, the company is able to accommodate many

research ideas in the fields mentioned above and formulated by the researcher, once he/she starts collaborating with the company.

The funding of an MSCA IF SE project is up to 24 months but the eventual duration of the project to be proposed depends on the research idea and the profile of the scientist and is subject to negotiation between the researcher and the company.

The role of the researcher will be to implement the research project at and with the company. In line with the MSCA IF SE call, he will be employed by the company for the duration of the project. The use of the IP to be generated and other technology transfer issues will be negotiated between the researcher and the company. Beyond conducting the actual research project, the researcher will also receive training in innovation and business development.

The company is part of a group which is a global leader in industrial trucks, related services and supply chain solutions. Across more than 100 countries worldwide, the group designs, builds and supports logistics solutions that optimize material and information flow within factories, warehouses and distribution centers. The group is the largest manufacturer of industrial trucks in Europe, the second-largest producer of forklifts globally and a leading provider of automation technology.

The group's world-renowned brands are clear industry leaders. The newest addition to the group is a global leader in automated material handling, providing a comprehensive range of intelligent supply chain and automation solutions. Other major brands serve the premium industrial truck

segment. Another group member focuses on industrial trucks in the economy segment. Among the group's regional industrial truck brand companies, there is the largest supplier of material handling products in France and a leading provider of industrial trucks in India. With an installed base of more than 1.4 million industrial trucks and over 6,000 installed systems, the group's customer base includes companies in all industries and of all sizes on six continents. The group has more than 33,000 employees and generated revenue of EUR8 billion in 2017.

Keywords

Technology

01001001	Automation, Robotics Control Systems
01003003	Artificial Intelligence (AI)
02003001	Process automation
02008003	Logistics

Market

02007011	Manufacturing/industrial software
02007016	Artificial intelligence related software
08002003	Process control equipment and systems
08002004	Robotics

NACE

C.29.1.0 Manufacture of motor vehicles
H.52.1.0 Warehousing and storage
H.52.2.4 Cargo handling

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI : **Yes**

Dissemination

Relevant Sector Groups

ICT Industry and Services
Mobility

Restrict Dissemination to Specific Countries

Albania, Argentina, Armenia, Austria, Belarus, Belgium,
BosniaandHerzegovina, Brazil, Bulgaria, Cameroon, Canada, Chile,
China, Croatia, Cyprus, Czechia, Denmark, Egypt, Estonia,
Finland, France, Georgia, Greece, Hungary, Iceland, India,
Indonesia, Ireland, Israel, Italy, Japan, Jordan, Latvia, Lithuania,
Luxembourg, Malta, Mexico, Moldova, Montenegro, Netherlands,
NewZealand, NorthMacedonia, Norway, Paraguay, Peru, Poland,
Portugal, Romania, Russia, Serbia, Singapore, Slovakia, Slovenia,
SouthKorea, Spain, Sweden, Switzerland, Taiwan, Tunisia, Turkey,
Ukraine, UnitedKingdom, USA, Vietnam,

Client

Type and Size of Organisation Behind the Profile

Industry >500 MNE

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Experience Comments

In accordance with the MSCA IF Society and Enterprise Panel, the Researcher will be fully employed by the Company and will move to Germany. (Different from other MSCA actions, his former University/Researcher institution is not formally involved and does not play any role in the proposal!). It is a good opportunity to make the transition, via a research project within the company, from the academic to the industry world.

Languages Spoken

English
German

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

Individual researcher from outside Germany to develop a joint research proposal for the next MSCA call. The researcher would move to Germany for the duration of the project.

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

MSCA Individual Fellowship Society and Enterprise Panel

Submission and evaluation scheme

Single stage

Ref: RDDE20191106001

Coordinator Required

No

Deadline for EOI

14 May 2020

Deadline of the Call

09 Sep 2020

Weblink to the Call

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/msca-if-2020;freeTextSearchKeyword=;typeCodes=1;statusCodes=31094501;programCode=H2020;programDivisionCode=31047830;focusAreaCode=null;crossCuttingPriorityC>

Project Title and Acronym

To be developed together with the researcher