



Research Assistant Professor in robotics

SIGMA Clermont invites applications for a Research Assistant Professor in the area of robotics. The specific subjects of interest include manipulation, planning, human-robot interaction, machine learning and computer vision.

Eligible candidates must hold an earned doctoral degree in robotics engineering, computer science, or a closely related field, at the time of the appointment. A strong record of peer-reviewed publications, other scholarly activities in the relevant areas of interest and the ability to teach graduate courses in english in the general areas of robotics is required for the position.

Responsibilities will include but are not limited to the following: strong involvement in ongoing european funded projects, participating to developing and testing novel robotic systems and algorithms; guiding PhD students and Postdocs in research projects, guiding graduate students in research and industrial oriented projects; conducting sponsored research and disseminating its findings at technical conferences and in archival journals; and developing new research proposals to acquire competitive external funding. Interest to teach graduate courses in the general areas of robotics and computer sciences is mandatory.

SIGMA Clermont trains top engineers in different areas of engineering sciences (chemistry, advanced mechanics, industrial engineering, robotics) in a multicultural environment. SIGMA Clermont is an internationally oriented school, driven by research and strongly connected to the world of enterprise. It is located in the region Auvergne-Rhone-Alpes, the first region in France in terms of industrial employment, and the eighth-richest region in Europe. It hosts numerous large international groups, medium-sized sector leaders and innovative start-ups. Clermont-Ferrand and its vicinity have a population of about 290,000 residents and are ranked among the most livable small cities in the country. One of the most famous volcanoes area (Chaîne des Puys) awarded World Heritage status by Unesco is situated at only 10 kilometers from the centertown.

SIGMA Clermont is recognized for high quality teaching and research, as well as for its excellent faculty and students. The general area of robotics has recently received strong support from the European Union with two granted projects (budget of 1,600,000 euros). The succesful candidate will be part of a robotic team at Institut Pascal. Institut Pascal is a Research Unit (UMR 6602) under the supervision of Clermont Auvergne University, the CNRS and SIGMA Clermont. The CHU, University Hospital of Clermont-Ferrand, is also a partner of the laboratory. Institut Pascal brings together in a single structure over 370 people. The research

unit develops knowledge and technologies that contribute to three areas of application: factory of the futur, transportation and hospital of the future. Institut Pascal is a member of FACTOLAB, a joint laboratory with MICHELIN. It is owner of the LabEx IMobS3 (laboratory of excellence from the PIA1 French investment program for the future). Institut Pascal is also member of the CNRS network EquipEx ROBOTEX and of the LabEx GaNeX (PIA1). The laboratory facilities include a cutting-edge technology centre of 3200m2 offering a large panel of equipment for high-speed machining, robotics, vibratory analysis, tests, measurements, characterisation, design and manufacturing.

Application

Applicants must submit a cover letter, curriculum vitae, a two-page research statement, representative publications, and contact information for at least two professional references.

The application **must be sent exclusively electronically** to malika.fetu@sigma-clermont.fr et à youcef.mezouar@sigma-clermont.fr no later than **January 20, 2021**.

Only candidates who submitted complete documentation by email to Pr. Youcef Mezouar (youcef.mezouar@sigma-clermont.fr) will be considered in the review process.

Contact persons:

Research and teaching information:

Pr. Youcef Mezouar (youcef.mezouar@sigma-clermont.fr)

Administrative information:

Malika Fetu (malika.fetu@sigma-clermont.fr)

Desired start date:

February 1, 2021

Salary:

Approx. 2 500 € net monthly