



Innovate through science

## Senior/Postdoctoral Researcher m/f/d

# Intelligent Behavior Planning for Autonomous Driving & Mobile Robots

The Honda Research Institute Europe GmbH is looking for a Senior/Postdoctoral Researcher to work on the topic Intelligent Behavior Planning for Autonomous Driving & Mobile Robots in an attractive, international and privileged research environment.

The position is part of a global research team working in a highly collaborative way, in close cooperation with a strong network of experts from universities and institutional partners across Europe, Japan, and beyond. Our main target is to research holistic, generalizable, and embodiment-agnostic behavior planning approaches for real-world use-cases. Thanks to our unique positioning as a fundamental research institute embedded in Honda's industrial R&D, we can transfer fundamental insights to real prototypes in mobile robotics and autonomous driving and create value that impacts at large scale.

### Your task

- Driving research in the field of mobile robotics and autonomous driving by exploring cooperative behavior modelling and risk evaluation approaches
- Developing ideas and implementing them in a prototypical fashion
- Integrating your research into HRI-EU's behavior planning platform and support validation in real prototypes

The position is initially limited to 2 years.

### Your qualifications

- PhD degree or similar qualification in computer science, engineering, or related fields
- Solid understanding of state-of-the-art motion/behavior planning methods and knowledge of recent novel planning methods in the research community
- Extensive experience in applying research concepts to real-world problems, preferably in mobile robots and automotive platforms; integrating systems, using and improving middleware and continuous integration pipelines is something that you enjoy
- Experience in Python programming and SW-development tools like git
- Pro-active and curious mind; you are a team player

### What we offer

- Working in a friendly, open and highly interdisciplinary environment with an exciting combination of fundamental research and application projects
- Opportunity to publish research papers and participate in international conferences and workshops to foster your scientific profile and professional career
- Attractive salary package including company car
- Demonstrating your work in real-world prototypes to a wider public industrial audience

### We look forward to hearing from you.

To make initial contact, please submit your application online mentioning your earliest starting date and your salary expectations to Horst Mangold PME – Personal- und Managemententwicklung, at:

[honda.pme-net.de](http://honda.pme-net.de)

Do you need more information? Mr. Mangold would be glad to help, and is available at +49 (0) 6132 899 040 – evenings included.