



## Innovation through Science

The Honda Research Institute Europe is working at the cutting edge of scientific research towards artificial intelligence, robotics, and intelligent systems. Our vision is a society in which humans and intelligent cyber-physical systems raise and support each other in accord with nature.

We are looking for a highly motivated and talented researcher m/f sharing our spirit of turning pioneering scientific research into groundbreaking innovations. If you want to contribute your ideas for making this a reality, join us at our institute at **Offenbach am Main, Germany**.

## Research Scientist Machine Learning + Knowledge Representation

Understanding their environmental and their situational context is a key capability for interacting robots and intelligent agents. This requires them to establish connections between objects and actions sensed from the environment with concepts from their internal world knowledge representation.

The combination with reasoning allows such systems to make inferences that support their real-world operation. Additionally, it is necessary to continuously extend the knowledge representation to enable a flexible operation in open environments.

### Your responsibilities

- Scientific research and technological contributions in the fields of knowledge representation, knowledge incorporation and consolidation, inference, logic, approximate reasoning and reasoning with uncertainty
- Development of new algorithms and concepts for incremental common-sense knowledge acquisition using machine learning and reasoning in real-world scenarios
- Contribution to the implementation and validation of interactive prototypes in real-world scenarios for robots or intelligent agents
- Publication and presentation of research results in top-ranking conferences and journals
- Cooperate with leading universities and industrial research partners

### Your profile

- PhD or an excellent Master of Science degree and experience in a related field
- PhDs should have a proven track record of excellent research and the ability to define a research agenda contributing to our vision
- Applicants holding a Master's degree have the possibility to pursue a PhD in cooperation with academic partner institutions
- Interdisciplinary experience combining formal reasoning with probabilistic and machine learning approaches is highly regarded

### We look forward to hearing from you.

Please submit your application, your earliest starting date as well as your salary expectations online at:

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

or send your application to:

PME – Personal- und Managemententwicklung · Horst Mangold  
Postfach 1334 · 55206 Ingelheim / Germany

Do you need more information? Mr Mangold will be happy to answer any questions you may have at the following number: +49 (0) 61 32 / 899 040.