

Innovation through Science

Senior Scientist m/f/d

for Next Generation AI / Knowledge Representation for Artificial Agents

The Honda Research Institute Europe works at the cutting edge of scientific research in artificial intelligence, robotics and intelligent systems.

Our vision is a society in which humans, intelligent cyber-physical systems and nature advance and support each other. The successful cooperation between humans, robots, and intelligent systems is key to a prospering society.

We are looking for highly motivated and talented researchers who share our spirit of turning pioneering scientific research into groundbreaking innovations. If you want to contribute your ideas to making this reality, join us at our institute in Offenbach am Main, Germany.

The background

Current AI technology excels at a broad range of specific tasks like image classification or language processing. To the contrary, abilities as required during daily human interaction and for human common-sense reasoning pose serious challenges for AI systems.

At HRI-EU, we research methods to build a Knowledge Engine to provide AI systems with broader cognitive abilities. Based on hybrid approaches including knowledge graphs, automatic knowledge extraction and machine learning, our target is to create a scalable, growing Knowledge Engine for AI systems that support human beings.

You will be part of an interdisciplinary research team that helps make this vision a reality.

Your responsibilities

- Research in fields of Artificial Intelligence / Machine Learning with application to intelligent cognitive systems for human support
- Contribute to the development of a Knowledge Engine for intelligent agents and robots
- Apply the research concepts in real-world scenarios and implement them in prototype systems
- Publish your results at scientific conferences and in journals

Your profile

- Excellent scientific record or equivalent (doctoral degree) in Computer Science / Informatics or related fields
- Scientific experience in the fields of machine learning and knowledge representation for intelligent agents
- Experience in modern ML and AI approaches in combination with cognitive agents or robotics systems
- Good team player, with enthusiasm to work in multidisciplinary teams
- Interest and background in incremental knowledge representation, knowledge graphs, natural language understanding, common sense and reasoning is a plus
- Strong motivation to work together to build cognitive systems that solve practical, real-world problems
- Advanced skills in modern AI pipelines and data science tools starting with Python

Our strengths – your benefits

- An exciting combination of fundamental and applied research
- An open atmosphere with a great multidisciplinary, international team and strong academic collaborations
- Participation in international conferences and workshops
- Flexible work time regulations
- Various social benefits including an attractive retirement savings plan and a company car

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

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