



Innovation through Science

Senior Research Scientist m/f/d

Next Generation Artificial Intelligence Systems

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 at Offenbach am Main, Germany.

The background

Remarkable advances in AI technology have been achieved in specific domains like pattern classification. However, many operations carried out based on human common sense are still very challenging for AI systems. Providing AI systems with such daily life capabilities is considered the next big step of AI.

Building on recent breakthroughs in hybrid methods including knowledge graphs, automatic knowledge acquisition and machine learning approaches, HRI's target is to create a scalable, incremental knowledge engine with common sense reasoning capabilities for AI systems for the support of human beings.

Your responsibilities

- Conduct research in the field of knowledge representation and knowledge-based / common sense reasoning for open world operation
- Develop incremental knowledge engines for context-sensitive cognitive and robotics systems
- Foster the implementation of our approaches and technologies in proof of concepts, demonstrators and prototypes
- Publish and present research results to the scientific and industrial research community

Your profile

- A doctoral degree in a relevant field from Computer Science / Informatics, Cognitive Science, Engineering or Physics / Mathematics
- A proven track record of excellent research and the ability to define a research agenda contributing to our vision
- A background in knowledge graph operation, knowledge acquisition or common sense reasoning problems and technologies
- Hands-on experience with knowledge-centered cognitive or robotics systems
- Experience or strong interest in interacting within a multidisciplinary team
- Proficient programming skills in the knowledge representation domain

Our strengths – your benefits

- Open research culture and collaborations with many national and international universities
- Exciting combination of basic research with applied research
- Participation and publication at international conferences
- Multi-disciplinary team to test your concept in real-world robot settings
- Honda Car Leasing Program with attractive conditions

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, Postfach 1334, 55206 Ingelheim / Germany, 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.