inIT | TH OWL

The Institute Industrial IT (inIT) has the following job opening:

Junior Research Group Leader on „Ethical AI in intelligent Automation"

- fixed-term
- fulltime
- salary according to remuneration level 13 TV-L

Current systems that incorporate AI technology mainly target the introduction phase, where a core component is training and adaptation of AI models based on given example data. In contrast, the joint project SAIL (https://jaii.eu/sail) focuses on the full life-cycle moves the current emphasis towards sustainable long-term development in real life. SAIL addresses both basic research in the field of AI, its implications from the perspective of the humanities and social sciences, and concrete applications in the field of Industry 4.0 and Intelligent Healthcare. SAIL is an interdisciplinary and interinstitutional collaboration of Bielefeld University, Paderborn University, Bielefeld University of Applied Sciences, and OWL University of Applied Sciences and Arts, funded by the Ministry for Culture and Science North Rhine Westphalia.

According to the EU definition, AI systems in automation are high-risk AI systems and are therefore required to be bias-free. In this context, we are offering a PostDoc position who will lead a junior research group on ethical AI and cognitive assistance in automation at the Institute Industrial IT (www.init-owl.de) at OWL University of Applied Sciences and Arts conducting research at the intersection of AI, ethics and intelligent automation. The research will focus on assistance applications for multi-modal sensor systems in the context of explainable, transparent and fair AI.

Your Tasks

In particular, the following research tasks (100 %) will be carried out in the project:

- development of a research agenda at the intersection of AI and ethics
- bias research for automation with a focus on data objectification and human communication
- collaboration within the SAIL network (with researchers from computer science, the humanities, sociology, psychology) on aspects of ethical AI
- publication and presentation of research results at high-impact international conferences and in journals
- attraction of competitive research grants and projects
- contribution to the strategic research objectives of the Institute Industrial IT

Your Profile

We expect

- completed PhD in computer science or a related area
- strong interest in ethical aspects of AI
- very good analytical and conceptual skills
- communicative and team-oriented style of work
- strong organizational and coordination skills
- interest in interdisciplinary research collaborations
- very good English skills (oral and written)

We offer

- the chance to build up your own research group on ethical AI and conduct impendent high-level research in this field
- fixed-term fulltime employment with salary according to remuneration level 13 TV-L
- flexible working hours
- modern and collegial working environment
- reconcilability of family and work

Application Procedure

We are looking forward to receiving your application. For full consideration, your application should be send via email (a single PDF document is required) to Prof. Carsten Röcker (carsten.roecker@th-owl.de) and Prof. Volker Lohweg (volker.lohweg@th-owl.de) until 30.11.2022.