Human-Centered AI (HCAI) Lab,
Department of Forest and Soil Sciences, Institute of Forest Engineering
University of Natural Resources and Life Sciences Vienna

Postdoctoral Research Associate (Univ.-Ass.)
(Wiss. Mitarbeiter/in mit Doktorat im Forschungs- und Lehrbetrieb)

Verwendungsgruppe B1 (mit Doktorat), 40 Wochenstunden, befristet auf 6 Jahre (Habil), Bruttomonatsgehalt mindestens 4.752,30 EUR (14 x jährlich), Dienstantritt ab sofort (1.7.2024).

Admission requirements:

+ Doctoral degree in computer science or equivalent qualification

+ Very good language skills in English and German

+ Very good programming skills in Python

+ Publication track record

Desired qualifications:

+ Interest in interdisciplinary scientific work in the application and further development of AI technologies with application to digital transformation in smart farm and forest operations [1]

+ Interest in data science, sensor technology (LiDAR, 3D PCD, etc.) and in human-robot interaction

+ Didactic skills to inspire and educate the next generation of BOKU students

+ High social competence to collaborate in interdisciplinary teams together with domain experts

+ Problem-solving skills and the ability to explain complex concepts in an understandable and simple way

+ Flexibility and communication skills, also with non-AI experts

Tasks:

+ Independent research and further development in the field of Digital Transformation with ML and AI in response to challenges in smart farm and forest operations of the future

+ Active participation in the preparation and presentation of scientific publications

+ Interdisciplinary and cross-disciplinary collaboration and cooperation with domain experts

+ Active problem-solving with AI in the agriculture and forestry of the future

+ Support in the supervision of doctoral, master's and bachelor's students

+ Involvement in teaching data science and AI for beginnersI

+ Active in administrative activities of the insitute and lab

What we offer:

+ Meaningful and challenging AI topics of the future

+ Academic career opportunity in cutting-edge internationally relevant topics

+ Promotion of innovation, excellence and personal development in the most liveable city in the world

+ Robot Test Park Tulln incl. Boston Dynamics Spot and state-of-the-art technology for experimentation

+ The largest human-centred AI lab in the world (experimental educational forest with 980 ha of forest)

+ Wide range of further education opportunities thanks to a broad inter-university education programme

+ Participation in international conferences, AI summer schools and

+ possible research stays at partner institutions in Canada and Australia

The Human-Centered AI Lab offers a unique opportunity for talents seeking a meaningful, rewarding and challenging career in AI research, supported by an environment that fosters innovation, excellence and personal development - in the most liveable city in the world! We offer a Robot Test Park in Tulln and an experimental teaching forest with 980 ha of forest, the largest human-centred AI lab in the world.

Please contact: Prof. Dr. Andreas HOLZINGER, andreas.holzinger AT boku.ac.at

[1] Watch the inaugural lecture: https://www.youtube.com/watch?v=odFFJIgDElw&t=1096s