PostDoc (f/m/d) for Artificial Intelligence in Environmental Simulation for Climate-Adapted Planning

VRVis, Austria’s largest research institute for Visual Computing is looking for a skilled and creative mind!

We offer an open-ended position for a PostDoc (f/m/d) who will support our research and development of environmental simulations in the context of practical climate-sensitive planning. The results will be integrated into the software Visdom, VRVis’ simulation software solution for decision support in climate change adaptation and disaster management.

You will join our Integrated Simulations R&D-team of highly motivated researchers and software engineers who enjoy finding innovative solutions in a constructive and friendly atmosphere.

Your job

- Head the AI competence in the research group Integrated Simulations
- Accelerate simulations with data-driven and physics-driven AI in the microclimate and water domain
- Develop solutions to derive parameters from images and sensor data (photos, satellite imagery)
- Supervise PhD and Master students and publish own research results

Your background

- PhD degree focusing on AI methods in mathematics, physics, environmental engineering, computer science, or a related field
- Experience in applying AI techniques to solve complex real-world problems
- Good programming skills
- Good knowledge of English in speaking and writing; German is appreciated, but not required

Nice to have

- Understanding of computational fluid dynamics or microclimate modelling
- Knowledge of numerical schemes to solve partial differential equations

Our offer

- Flexible working hours, home office option, well-equipped workplace
- Working on one of the most pressing challenges of our time, contributing to climate change adaptation and disaster management, by providing society with simulation tools for a better understanding of future scenarios and the impact of decisions to be made
- Location: Vienna / Austria, office easily accessible by means of public transport (U1 subway stop VIC)
- Salary according to collective labor agreement (IT-Kollektivvertrag) including bonus for 13th and 14th month (monthly full-time min. 3.455,- EUR) with overpay depending on qualification and previous professional experience
- Supportive atmosphere in an inclusive team

Application

Please forward your application documents to Franziska Steyer-Beerman via e-mail to

fsb@vrvis.at

VRVis being an equal opportunity employer would like to counter the lack of female researchers in the visual computing field. Therefore, we highly encourage female candidates to apply.