

Position Announcement ::: Researcher geoAI and Human-generated Data

The Department of Geoinformatics – Z_GIS at University of Salzburg aims to combine high quality education with excellent research. The department has several research groups with an outstanding international reputation (<https://zgis.at/research>) and offers **three scientific researcher positions** within the research group “**Geo-Social Analytics Lab**” (<https://geosocial.zgis.at>).

The researcher will join a multidisciplinary team of researchers and educators in the field of Geographic Information Science and Geoinformatics.

- Start of the position: ASAP
- Duration of contract: 2 years
(extension possible depending on the availability of project funds)
- Weekly working hours: 30-40 h
- Qualification for a doctoral degree (PhD) possible (but not required)
- Working hours: to be arranged

Job profile:

- Collaboration in international research projects
- Research in geospatial machine learning and artificial intelligence
- Analysis of physiological sensor data to detect spatio-temporal stress hot spots
- Analysis of geo-social media (multimodal: spatial-temporal-semantic)
- Semantic topic modelling using AI methods
- Sentiment Analysis (emotion and opinion mining in text data)
- Information visualisation and preparation for decision-support processes
- Application context: epidemiology, disaster management, humanitarian aid, urban planning

Candidates are **required to hold a degree** in the field of geoinformatics, computer science, data science, information management or a discipline related to geoinformatics. Moreover, an excellent research record, and the ability to work independently and in teams are mandatory.

A **profound technical understanding** is a prerequisite for this position. The candidate should be qualified for and willing to perform state-of-the-art research with a focus on algorithm design and software engineering. The position allows to pursue a PhD degree, but it is not mandatory. Details will be specified in an iterative process with the supervisor.

Beyond that, **excellent communication and social skills** are required for working in a dynamic and interdisciplinary team as well as for conducting research independently. Collaboration on publications with other members of the team is expected with the aim of publishing in high-profile international journals and conferences.

We **offer** a great working atmosphere as well as remuneration according to the Austrian University collective bargaining agreement (gross salary per month ~€3.040 (14 times) based on 40 hours per week).

Application deadline: **Rolling admission** (applicants will be interviewed until the positions are filled)

University of Salzburg aims to increase the share of women in scientific and general staff, particularly in leading roles. Thus, we encourage qualified women to apply. **Women will be preferred in case of equal qualification.** Severely challenged persons or persons with chronic diseases who fulfil the qualification criteria are encouraged to apply.

Applicants need to send the following documents to bernd.resch@plus.ac.at:

- Letter of motivation
- Scientific CV
- Abstract of Master thesis (link to full text if available)
- Certificates
- List of publications (if available)

If you are interested in this position, please contact Assoc.-Prof. Dr. Bernd Resch (bernd.resch@plus.ac.at) or by phone: +43-662-8044-7551.