



University of Stuttgart
Germany

University of Stuttgart • IWS/VEGAS
Pfaffenwaldring 61 • 70569 Stuttgart

Job Advert

Institute for Modelling Hydraulic and Environmental Systems (IWS)

Research Facility for Subsurface
Remediation (VEGAS)

Scientific Director VEGAS
PD Dr.-Ing. Claus Haslauer
Technical Director VEGAS
Dr.-Ing. Simon Kleinknecht

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Contact

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Scientist and Head of Chemistry Lab of VEGAS (f/m/d)

Role Overview

The main task of the person we are looking for is the management of the VEGAS analytical laboratory as well as the support of our projects in chemical-analytical questions. In addition, we expect the new colleague to be actively involved in VEGAS research.

At VEGAS, we conduct innovative research in experimental studies of flow, transport, and reaction processes in porous media. The focus of this research ranges from basic research in small-scale laboratory experiments to applied research and technology development in large-scale experiments (pilot sites) to technology transfer and testing in practice (field applications). Research is currently focused on the development of exploration and remediation technologies for contamination in soil and groundwater as well as heat propagation in the subsurface. The nationwide unique experimental facility for groundwater and contaminated site remediation, VEGAS, is a facility at the University of Stuttgart.

The VEGAS analytical laboratory develops the sophisticated analytics required for the experimental investigations at VEGAS. In doing so, the head of the chemistry lab develops novel analytical methods and scientific ideas, translates these into research proposals and publications, expands our international network, and supervises students. He/she is supported by a team of currently about 20 employees with various backgrounds and nationalities. Furthermore, he/she supports the development of intelligent scientific concepts and sustainable solutions for pollutants in aquatic environmental media.

Bank

Baden-Württembergische Bank
Stuttgart – BW-Bank

IBAN

DE51 6005 0101 7871 5216 87

SWIFT/BIC

SOLADEST600

Tax Identification Nr

DE147794196



VEGAS-Management: Prof. Dr. rer.nat. Dr.-Ing. habil. András Bárdossy
Dr.-Ing. Simon Kleinknecht • PD Dr.-Ing. Claus Haslauer





In addition to scientific publications, the knowledge and technologies gained are transferred into practice through pilot applications, training courses and conferences.

Duties and Profile

- Routine handling of wet-chemical and modern instrumental analytical methods in environmental analytics, including sample preparation of gaseous, aqueous and solid samples
- Management of the analytical laboratory and organization of tasks for investigations at VEGAS with a team of chemical-technical assistants
- Own research in the interface of complex chemical, experimental, and technological challenges
- Support of groundwater and contaminated site remediation projects in research and technology transfer (with partners from academia, public administration and industry)
- Continuation and expansion of active national and international cooperation in the development of concepts and technologies for the treatment of contaminated sites
- Contribute to publications in nationally and internationally recognized journals and communicate these findings to relevant stakeholders (academia, government, industry, community)
- Collaboration in a team composed of geohydrology, environmental engineering, chemistry, process engineering, mathematics and other related disciplines
- Participation in the acquisition and processing of third-party funded projects
- Teaching in the faculty's degree programs including co-supervision of theses (B.Sc., M.Sc. and PhD)
- Recognize opportunities for innovation and generation of new theoretical perspectives based on professional expertise, knowledge in related disciplines, and research experience
- Communicate openly, effectively, and respectfully with staff, clients, project partners, and suppliers



Selection Criteria

- A completed PhD (or appropriate combination of qualifications and research experience) in a relevant field such as analytical chemistry, organic chemistry, environmental chemistry, environmental science, or environmental engineering
- Experience in the routine application of wet chemical and instrumental analytical methods and a curiosity for developing new or adapted methods
- Proven ability to conduct your own creative and innovative research
- Experience in research projects involving the transport and fate of contaminants in the environment is a plus
- Willingness to engage in teaching and to develop and implement new teaching concepts and content
- Very good knowledge of German and English, both written and spoken
- Knowledge of word processing, spreadsheets, and presentation software
- Knowledge of measuring techniques is desirable
- Experience with programming languages (e.g. C/C++, Python, R) is desirable

The University of Stuttgart would like to increase the proportion of women in the scientific field and is therefore particularly interested in applications from women. Disabled persons are given priority in the case of equal suitability. Recruitment is carried out by the central administration.

Employment

Full-time

Salary / Remuneration

The position will be remunerated in accordance with the provisions of TV-L Baden-Württemberg (TV-L 13 – TV-L 14). The date of recruitment is scheduled for March 1, 2023.

Contact details

If you are interested in these varied activities, please apply in writing or by e-mail with the usual documents (letter of motivation, curriculum vitae, references, your three most important scientific articles, and provide the addresses of three references) to Claus Haslauer by November 1, 2022 (closing date for applications). Please send your application by e-mail in PDF format as one file to: jobs.vegass@iws.uni-stuttgart.de.



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Applications received after the closing date will not be considered.
For further information, please contact PD Dr.-Ing. Claus Haslauer
(e-mail: claus.haslauer@iws.uni-stuttgart.de).

Location

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We ask that you only submit copies of application documents, as
these will be destroyed after the procedure has been completed in
accordance with the requirements of data protection law.
Information in accordance with Article 13 DS-GVO on handling
applicant data can be found at:
<https://www.uni-stuttgart.de/en/privacy-notice/job-application/>