

PhD position / Project Assistant

in hillslope/catchment hydrology (employment 30h/week - 48 months)



Job Description/Responsibilities:

The Unit of Hydraulic Engineering, University of Innsbruck is offering a PhD position for 4 years within the FWF-funded Project "SSF Forcing - Temporal dynamics and land use effects of subsurface flow" (I 5940 N). The project is part of the DFG funded Research Unit "Fast and invisible: Conquering Subsurface Stormflow (SSF) through an Interdisciplinary MultiSite Approach".

The project SSF Forcing is realized in cooperation with the BFW - Federal Research and Training Centre for Forests, Natural Hazards and Landscape, Innsbruck and the Chair of Hydrology in the Faculty of Environment and Natural Resources at the University of Freiburg, Germany.

Thematic focus is on the quantification of surface and subsurface stormflow on hillslope and catchment scale using novel irrigation experiments combined with numerical/hydrological modelling approaches. Fluxes driven by natural and artificial rainfall are investigated by means of hydrometric and tracer hydrological measurements, in different catchments in Germany and Austria. Within the Research Unit, joint field campaigns are made together with partners which provides a unique chance to be part of an interdisciplinary and enthusiastic research group and to obtain insights into a number of methodological approaches.

We offer the possibility to conduct a PhD in Technical Science (admission is separate from this position - see <https://www.uibk.ac.at/studium/anmeldung-zulassung/doktoratsstudium/>). The PhD thesis is foreseen as an integral part in the employment and includes the publication of outcomes in scientific journals and the presentation at project meetings and conferences.

Required qualifications:

- Master degree relating to the fields of Civil Engineering, Hydrology, Water and/or Environmental Engineering or any equivalent
- Enthusiasm and motivation to conduct fields works in alpine environments
- Experience in hydrological and hydraulic/soil hydraulic modelling
- High motivation, teamwork capabilities and communication skills (written and oral)
- Excellent knowledge in English (German is an asset)
- Programming skills (e.g. Python, Matlab,...), experience with GIS systems is advantageous
- Drivers License (European Cat. B) required

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Employment/Salary:

Employment is made according to the salary scheme for third-party funded scientific staff at Austrian Universities at Level B1/1. The minimum gross salary (stipulated by collective agreement) for this position amounts to € 2.294,00- per month (14 times/year - 30h/week). For additional company benefits for employees of the University of Innsbruck see: <http://www.uibk.ac.at/universitaet/zusatzleistungen/>.



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Application:

If you are interested, please submit your full application (Letter of motivation, Curriculum Vitae, up to 2 contacts as a reference) in electronic form until 15.05.2022.

For sending your application (one pdf) or any further questions please contact [stefan.achleitner@uibk.ac.at].

We are looking forward to receive your application !

 	<p>The University of Innsbruck is committed to raising the quota of female employees and therefore particularly welcomes applications from qualified women. This applies particularly to managerial as well scientific positions. In the case of female under-representation, women with equal qualifications will be given priority. In accordance with Austrian disability laws, qualified people with special requirements are expressly encouraged to apply for jobs.</p>
<p>Applicants may not claim travel or hotel expenses accrued during the application and interview process.</p>	

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