

The Vienna University of Technology opens three PhD positions in different field of hydrology:

Within the new Research Unit SPATE "Space-Time Dynamics of Extreme Floods", the Vienna University of Technology is offering a **PhD position in "flood historical hydrology and statistics"**. This position is envisaged to start between July 1st 2017 and 1st October 2017 and will extend over a maximum duration of 3 years. The general theme of the PhD project is the question: Have floods in the last decades and centuries been increasing or not? The PhD student will work with systematic measured data and historical, mainly documentary-based information with different statistical methods with the aim to identify changes in the flood occurrence. The study region of the project is Germany and Austria. The PhD student will be supervised by experts in historical hydrology/environmental studies as well as flood frequency statistics. Candidates should hold a Master (or similar) degree in Environmental Sciences/Geosciences or Hydrology and/or Environmental or Civil Engineering or related disciplines, with an excellent speaking and writing knowledge in English. The ideal candidate is willing to and can work in an interdisciplinary and international team that combines the experience of applied/natural and social sciences, possesses a good knowledge of statistics, the ability for a complex understanding of environmental processes, and at least basic skills in programming (R, Matlab, or similar). The PhD candidate will have the opportunity to participate in the "Vienna Doctoral Programme on Water Resources Systems" (<http://waterresources.at/>), a highly recognized, international and interdisciplinary PhD programme. **Candidates should send a letter of application, a statement of research interests, a Curriculum Vitae, and copies of education certificates including transcripts of grades as a single .pdf file to: rogger@hydro.tuwien.ac.at. Application deadline is March 1, 2017.**

Within the SYSTEM-RISK project (<https://system-risk.eu/>), the Vienna University of Technology is offering a **PhD position in the research field of "flood change attribution"**. This position is envisaged to start as soon as possible and will extend over a maximum duration of 3 years. The general theme of the PhD project is the question: What are the causes for changes in flood occurrence? The PhD student shall develop methods to identify decadal changes in flood discharges and attribute them to the main drivers of change (climate, catchment processes, river channel processes). The methods will be developed by making use of flood data, climate data and catchment data from European catchments. Candidates should hold a Master (or similar) degree in Environmental Sciences, Hydrology, Environmental or Civil Engineering, Mathematics, Statistics or related disciplines, with an excellent speaking and writing knowledge in English. The ideal candidate is willing to and can work in an interdisciplinary and international team, possesses a good knowledge of statistics, and have at least basic skills in programming (R, Matlab, or similar). The PhD candidate will have the opportunity to participate in the "Vienna Doctoral Programme on Water Resources Systems" (<http://waterresources.at/>), a highly recognized, international and interdisciplinary PhD programme. **Candidates should send a letter of application, a statement of research interests, a Curriculum Vitae, and copies of education certificates including transcripts of grades as a single .pdf file to: viglione@hydro.tuwien.ac.at. For the application it is necessary to meet the European Commission's eligibility criteria. The applicants must not have resided or carried out his/her main activity (work, studies, etc) in the country of the host organisation for more than 12 months in the 3 years immediately prior to his/her recruitment. Application deadline is March 1, 2017.**

Within the “Vienna Doctoral Programme on Water Resources Systems” (<http://waterresources.at/>) the Vienna University of Technology is offering a **PhD position in the research field of “Experimental hydrology and modelling”**. This doctoral programme is a dedicated programme of the Austrian Science Fund (FWF) that promotes doctoral research and education at the highest standards and provides excellent opportunities for cross-disciplinary research. International networking is facilitated by a mobility programme with a spectrum of attractive international partner institutions and a comprehensive guest scientist programme. The PhD position is envisaged to start as soon as possible and will extend over a maximum duration of 3 years. The PhD project will focus on the identification of surface and subsurface processes, stream-aquifer interactions and the modelling of these processes in the Hydrological Open Air Laboratory (HOAL) (<http://hoal.hydrology.at/>) in Lower Austria. The PhD will include field work and model development, experiences in both fields are advantageous. Candidates should hold a Master (or similar) degree in Environmental Sciences, Hydrology, Environmental or Civil Engineering or related disciplines, with an excellent speaking and writing knowledge in English. The ideal candidate is willing to and can work in an interdisciplinary and international team, possesses a good knowledge of hydrological processes and mathematics and has at least basic skills in programming (R, Matlab, or similar). **Candidates should send a letter of application, a statement of research interests, a Curriculum Vitae, and copies of education certificates including transcripts of grades as a single .pdf file to: office@waterresources.at. Application deadline is March 1, 2017.**