



European Research Council
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Two PhD and two PostDoc researcher positions with the ERC Advanced Project GeoViSense (PI Sara Irina Fabrikant)

The *Geographic Information Visualization and Analysis (GIVA)* group at the University of Zurich invites applications for **two doctoral and two post-doctoral research positions** in the context of the **ERC Advanced Project GeoViSense**, lead by the GIVA group head and PI Sara Irina Fabrikant. This project, at the interface of GIScience (geovisual analytics) and neuro-cognitive science aims to study how we make space-time decisions with geographic information displays (GIDs) in varying mobile decision making contexts, and to develop respective display design guidelines for future user, task, and context-responsive GIDs to better support efficient and effective space-time decision making on the go.

We seek highly self-motivated researchers who will work efficiently and effectively on an interdisciplinary and collaborative research project involving large-screen Virtual Reality (VR) displays and mobile location-aware interfaces. Applications from women and under-represented groups are especially encouraged.

:: PhD positions ::

A completed MSc in Geography and/or a closely related discipline (e.g., Psychology, Cognitive|Neuro Science, Computer|Data Science, etc.) is required. You will be interested in carrying out a PhD, empirically examining the role of user, task, and changing contexts factors for mobile decision making with location-aware geographic information displays. You will have a good standard of written and spoken English. Knowledge of German, whilst not required, would be an advantage. Ideally, the substantive domains of contribution within GIScience include geographic information visualization/geovisual analytics, spatial cognition, quantitative (empirical) research methods, and related areas. A background in empirical data collection (indoors|outdoors), quantitative data analyses, and programming for Virtual Reality environments and/or for mobile applications would be an asset. The successful candidate will be hired on a 1-year scholarship (starting November 1st, 2017), which will be extended to the nominal 4-year PhD period after positive evaluation.



For informal thematic inquiries about this position contact Prof. Sara Irina Fabrikant, Email: sara.fabrikant@geo.uzh.ch (subject: GeoViSense **PhD**), or by phone: +41-44-635-5150. Applications must include a motivation letter, a CV, transcripts, and the contact information of two referees. Apply digitally to: Human Resources, Department of Geography, University of Zurich, Winterthurerstr. 190, CH-8057 Zurich, Switzerland, Email: secretary.giva@geo.uzh.ch (subject: GeoViSense **PhD**), phone: +41-44-635-5151. Review of applications will begin Aug. 1st, 2017, and will continue until the position is filled.

:: PostDoc positions ::

A PhD in Psychology, Cognitive|Neuro Science, Computer|Data Science, Geography/Spatial Cognition, or related is required. We seek an established and highly motivated researcher who will be successful in leading an own research group, and work efficiently and effectively on interdisciplinary and collaborative projects. Experience in empirical behavioral research with human participants (indoors|outdoors), and/or in the collection|analyses of psycho-physiological data streams (i.e., EEG, EDA, EMG, or related space-time data) are essential. You have excellent written and spoken English communication skills. Knowledge of German, whilst not required, would be an advantage. Programming for Virtual Reality environments and/or mobile applications would be an asset. The appointment will be made on an annual basis for the first year (starting November 1st, 2017), with opportunity for multi-year extensions (potentially up to 5 years).

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