

Austria:Open Positions in Visual Analytics: PhD and PostDoc at TU Wien

The **Visual Analytics group** at TU Wien offers positions in the field of Visualization. The main focus is on **Model Building and Visual Analytics** , a research area in the Research Cluster *Smart Communities and Technologies (Smart CT)* . Currently, we offer positions for:

[REDACTED]

The application deadline is: **January 26, 2018** .

Both positions are expected to be filled starting March 1, 2018 (negotiable), for a duration of 3 years.

Topic

The Research Cluster Smart Communities and Technologies (*Smart CT*) at TU Wien will provide the scientific underpinnings for next-generation complex smart-city and communities infrastructures. These involve smart buildings, smart products and production, smart traffic systems and roads, autonomous driving, smart grids for managing energy hubs and electric car utilization, and urban environmental systems research. In addition to *Model Building and Visual Analytics* - the topic of this call - Smart CT also covers the areas *Cyber-Physical-Human Ecosystem*

and 3D Spatialization .

Visual Analytics (VA) is "the science of analytical reasoning facilitated by interactive visual interfaces" and aims at making complex information structures more comprehensible, facilitating new insights, and enabling knowledge discovery. VA methods focus on the information discovery process, exploiting both the computational power of computers and the human's visual information processing capabilities. It aims to enable the exploration and the understanding of large and complex data sets (such as available in smart city's environments) by intertwining interactive visualization, data analysis, human-computer interaction, and cognitive and perceptual science.

Tasks

In the context of Visual Analytics, we expect the PhD and PostDoc researchers to tackle some of the following research problems:

- [REDACTED] analyzing [REDACTED]
- [REDACTED] the past,
- [REDACTED]
- [REDACTED] in a user

The PhD researcher will collaborate with the PostDoc and other PhD researchers from the Research Cluster *Smart CT* to work on these scientific problems and to publish results in international

conferences and journals.

The PostDoc researcher will, in addition, provide a link to the other areas in the Research Cluster, as well as to stake holders (like the city of Vienna).

Requirements

REQUIRED QUALIFICATIONS and SKILLS

[Redacted] Information
[Redacted] primary teams
[Redacted]

DESIRED QUALIFICATIONS and SKILLS

[Redacted] es and
[Redacted]

Opportunities

WE OFFER

[Redacted] within
[Redacted] personal top
[Redacted]

The applicant will be funded according to the Austrian Collective Agreement for university staff, allowing you to support a comfortable life in Vienna.

PostDoc: Entry level salary as a postdoctoral researcher is currently 3.590,70 EUR/month gross

(40h/week contract), 14 times/year.

PhD: Entry level salary as PhD researcher is currently 1.685,30 EUR/month gross (25h/week contract), 14 times/year.

How to Apply

For informal questions before the application, please contact [Silvia Miksch](#).

The official application should include:



The application should be sent to the personal department of the TU Wien, Karlsplatz 13, 1040 Wien, preferably in digital form (pdf) via E-Mail to thomas.prager@tuwien.ac.at. Please also see the [official announcement](#) (#307.1.5).

The deadline for application is **Friday, January 26, 2018**.

TU Wien is committed to increasing female employment in leading scientific positions. Female applicants are explicitly encouraged to apply. Preference will be given when equally qualified. Furthermore, please note that applicants will not normally be reimbursed for travel costs incurred

in connection with this call.

Tentative Submission Deadline : 26 January 2018

[Further Information](#)