Five PhD Positions in Visualization

There are five open PhD positions at the Visualization Group of TU Wien (Austria) in Computer Science in the area of (Biomedical) Visualization and Visual Computing. The successful candidates will be involved in research and teaching activities of our group, and will be able to pursue their research interests.

1 PhD Position in Biomedical Visualization and Visual Analytics

We invite applications for a 4-year Ph.D. position, offering applicants an exciting opportunity to investigate novel Visualization and Visual Analytics strategies, to support clinical research on pediatric brain cancer therapy.

Requirements
- Master's studies in Computer Science, Biomedical Engineering, Bioinformatics, or another similar technical field (completed by the starting date of the employment).
- Very good knowledge in Visualization and Visual Analytics.
- Good programming skills (e.g., Python, C++)
- Good communication skills and ability to work as an independent and flexible researcher in an international and diverse team.
- Being curious, creative, and enthusiastic about research.
- Very good command of English (speaking and writing).

Favorable Qualifications and Skills
- Interest or knowledge in (Biomedical) Image Analysis, Machine Learning and related frameworks (e.g., Scikit-Learn, TensorFlow, or PyTorch).
- Interest in supervising students and teaching (undergraduate/graduate).

The position will be funded according to the Austrian Collective Agreement for university staff, allowing you to support a comfortable life in Vienna. Entry level salary as a predoc researcher is currently 2.228,60 EUR/month gross (30h/week contract), 14 times/year.

Duration: 4 years (starting date: as soon as possible)

Further information is available from Renata Raidou.
Application should be done through https://jobs.tuwien.ac.at/Job/147918

Application Deadline: April 22nd, 2021
3 PhD Positions in Visualization

Requirements

• Master studies in computer science or similar (completed by the starting date of the employment).
• Very good knowledge in visualization and visual computing
• Strong analytical skills
• Good skills in programming (e.g., C++, Python, OpenGL, CUDA, or similar)
• Good communication skills and ability to work as an independent and flexible researcher in an international and diverse team.
• Involvement in undergraduate/graduate teaching
• Very good command of English (speaking and writing).

Desired Qualifications and Skills

• Interest and experience in, e.g., one of the areas: interactive data analysis & visualization, (bio)medical visualization and visual analytics, (augmented) data physicalization, molecular visualization, network visualization, perception in visualization, immersive analytics
• Basic command of German, or willingness to learn
• Experience in supervising of students

The three positions will be funded according to the Austrian Collective Agreement for university staff, allowing you to support a comfortable life in Vienna. Entry level salary as a PhD researcher is currently 2.228,60 EUR/month gross (30h/week contract), 14 times/year.

Duration: 4 years (starting date: as soon as possible)

Further information available from either Eduard Gröller, Manuela Waldner, Renata Raidou, Hsiang-Yun Wu.

Applications should be done through https://jobs.tuwien.ac.at/Job/147911

Application Deadline: April 22nd, 2021
1 PhD Position in Augmented & Virtual Reality in Pharmaceutical Laboratories [Takeda & TU Wien]

Requirements

• Master studies in computer science or similar (completed by the starting date of the employment).
• Interest in interdisciplinary research
• Strong interest in human-computer interaction and mixed reality
• Abilities to work as an independent and flexible researcher in interdisciplinary teams
• Accustomed to networked critical analytical thinking, scientifically interested, and able to work in a team
• Fluency in English
• A good sense of humor and a passion for innovation and exploration

Desired Qualifications and Skills

• Interest and experience in design and evaluation of Virtual and Augmented Reality interfaces in a pharmaceutical context
• Good knowledge of user-centered research methods

The salary for this PhD position is € 2,800,- gross per month (full time, collective wage agreement for the chemical industry).

Further information available from Manuela Waldner. Applications should be done through Takeda Jobs.

Application Deadline: April 22nd, 2021 or until position is filled
Opportunities (for all open positions)

What we offer in exchange

- A creative environment in Vienna, one of the most livable cities in the world
- Freedom to explore both your scientific and creative interests in the course of your work (within the scope of visualization and visual computing).
- A young and international team of researchers with an excellent working atmosphere
- A work environment that is well equipped with the newest hardware and software technology
- The possibility to present your research results at international top conferences
- Continuing personal and professional education

How to Apply

The official application should include:

- Motivation letter
- CV
- Certificates of degrees and grades in courses taken
- List of publications
- A copy of the Master thesis (if completed or an Abstract thereof) in PDF format

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