Prof. Dr. Renato Pajarola
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University of Zürich
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University of ZurichUZH

Researcher - Postdoc

in Visual Computing, Data Visualization, 3D Graphics

Job Summary

Open position for a Postdoc in the area of interactive data visualization and real-time 3D graphics at the University of Zürich. This position is for an experienced researcher participating in various research projects.

Description

The open position is for an experienced researcher, Postdoc in visualization and 3D computer graphics. The focus area is not predetermined but areas of interest include interactive data visualization, geographic visualization, scientific visualization and other areas of visual computing and 3D computer graphics matching our current research activities. Specifically interactive data visualization researchers are welcome to push the development of the group in this direction. Interests in large scale, scalable and parallel visualization and graphics methods are highly welcome too. Candidates with a wide background and experience are highly welcome.

We are looking for researchers with strong interest not only in visualization, visual computing and graphics but also good knowledge in numerical linear algebra, applied mathematics, optimization methods, as well as good software programming skills. A strong interest and good skills in learning new mathematical methods and complex software frameworks is highly recommended. Good C++, Python, Matlab, 3D graphics and data visualization programming skills are required.

The activities of the position not only include research, but also teaching as well as administrative tasks. The main goal is to conduct excellent research generating results which are published and presented in top international journals and conferences. However, equally important are the participation in and leading of group activities, as well as the development and extension of visualization and graphics teaching. In particular the postdoc is expected to help in organizing group meetings, seminars and retreats. He or she is also expected to actively participate in teaching and develop or contribute to one graduate level course in visual computing, graphics and/or visualization. Furthermore, the preparation and submission of one research proposal in the area of expertise of the postdoc is also a main target.

Company

The University of Zurich (UZH) is a top internationally recognized research university with faculties in medicine, humanities, economics as well as mathematical and natural sciences. UZH is the largest university in Switzerland and ranked among the top world leading research universities, e.g. according to the Academic Ranking of World Universities by Shanghai Jiao Tong University, and has recently been ranked top 15 in Europe. The Department of Informatics (IFI) covers major computer science, software engineering and information management research and teaching topics, it offers BSc, MSc as well as PhD degrees in informatics/computer science.

Workplace

The Visualization and MultiMedia Lab (VMML) and IFI, are located in the vibrant city of Zürich as part of the university's new Nord-Campus in Oerlikon in a renovated modern office building. The UZH Nord-Campus is conveniently located a short walk off the Max-Bill Platz, center of the new trendy living, shopping and business district in Oerlikon, as well as near the Oerlikon train, S-Bahn and tram stations. Also the Zürich international airport (ZRH) is reachable within minutes with public or private transportation.

Benefits

Researchers and postdocs are remunerated according to local university regulations and standards. Appointments will be made with respects to standard university rules, same applies for fringe benefits and vacation days. Appointments are expected to involve a full-time effort in research, teaching and administration.

It is the goal of UZH to offer an equal opportunity workplace environment and as part of this we strongly encourage women to apply. Specific benefits include flexible working hours, young scientist promotion opportunities, parental leave benefits, nursery services and care for dependents and much more.

Comment/web site for additional job details

For application and further information contact: Prof. Renato Pajarola, pajarola@ifi.uzh.ch

See also our research groups website at http://vmml.ifi.uzh.ch/.

Requirements

A PhD degree or doctorate in visualization, 3D graphics or closely related area of visual computing from an internationally recognized research university is required.

The prospective candidates are supposed to have an excellent background in computer science and programming, as well as strong mathematical skills and analytical thinking and practical experience with computer graphics, visualization, imaging, vision and geometry. Strong interests in numerical methods and collaboration with other researchers and scientists is of further importance as well.

Applications must include a detailed CV/resume, information of university level educational background, brief description of practical work and research experience, clear exposition of prior visualization, graphics or visual computing experience, as well as a short statement of motivation and goals. Certified copies of transcripts, degrees and reference letters may eventually be required before hiring.

Dates and More
- Entrance is as soon as possible but subject to the successful evaluation of candidates
- Duration is expected to be 1 year with potential extension depending on grants and scholarships

Contact

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