

1 March 2015

PhD Positions Available at the ETH Computer Graphics Laboratory

ETH is part of the DISTRO Innovative Training Network funded by the European Commission. We have been allocated funding for two PhD positions in the Computer Science Department and Computer Graphics Laboratory that will conduct research in computer animation. The student will be supervised by Bob Sumner. As part of the training network, the student will collaborate with other researchers in the DISTRO network, take secondments to partner locations, and host visiting researchers at ETH.

Research will explore:

- Intuitive methods to author and customize animated characters that incorporate physically-motivated interfaces such as real-world sketching;
- New animation pipeline concepts that allow the movement of a digital character to be realistically simulated based on physical laws that govern the real world;
- Methods to bring animation from the digital into the physical world, fabricating articulated physical models.

Applicants should meet the general standards of admission to ETH Zurich and also have:

- A Master's degree (or equivalent) in Computer Science or related field;
- Good knowledge of computer graphics and mathematics;
- Strong programming skills;
- Good communication and presentation skills;
- Direct experience or a willingness to learn technical aspects of computer animation.

DISTRO is funded from the European Union's Horizon 2020 research and innovation programme under a Marie Skłodowska-Curie Innovative Training Network. Please see <http://www.distro-itn.eu/> for more information.

Applicants may be interested in having their application considered for positions at other locations in the DISTRO network. Interested applicants should explicitly state in their application that they give permission for their application materials to be shared amongst the ITN partners.

Restrictions:

- Due to EU regulations, applicants must not have resided in Switzerland for more than 12 months in the 3 years immediately prior to the recruitment date, and must not have carried out their main activity (work, studies, etc.) in that country.
- Applicants must be — at the date of recruitment — an “early stage researcher” (i.e. in the first four years of his/her research career and not have a doctoral degree

For inquiries about applying, please contact Bob Sumner at <robert.sumner@inf.ethz.ch>.