

Max-Planck-Institut für Informatik  
Computer Graphics Group

## Junior Researcher position in Computer Graphics within the ETN project “DISTRO”

Full time appointment for 7 months  
Start date June 1, 2018



We are seeking a highly motivated and creative junior researcher to work on the EU-funded project “Distributed 3D Object Design” (DISTRO). A candidate should hold a Master’s degree in Computer Science, Mathematics, or Physics and have a solid background in computer graphics. Excellent programming skills in C++ and fluent communication skills in English are essential.

**About MPI Informatik.** The Max Planck Institute for Informatics (MPI) in Saarbrücken is a part of the Max Planck Society, Germany’s leading research organization. The institute runs an active fellowship program on both the PhD and postdoc levels. The Computer Graphics Group at MPI currently consists of about 40 researchers (including 6 senior-level researchers), and in the last decade over 20 former group members received offers for tenured faculty positions.

**About the Project.** DISTRO is an Innovative Training Network (ITN) focused on the distributed capture, editing, and fabrication of objects - from the real world to digital and back again. The project goal is to enable users to casually capture objects, which can then be easily shared on the Web, customized in simple ways, and physically replicated elsewhere. The research topics tackled within the project include geometry and material capture, collaborative editing, rendering and physical fabrication.

This exciting collaborative project is coordinated by [University College London](#) (UK), and the academic partners include some of the most renowned research institutions in Europe: [ETH Zurich](#) (CH), [DFKI](#) (DE), [Charles University in Prague](#) (CZ), [Saarland University](#) (DE), [IST Austria](#) (AT), [Napier University](#) (UK) as well as [MPI Informatik](#) (DE).

There are also numerous industry partners involved in the project: [NVIDIA Research](#) (US/FI), [Disney Research](#) (US/CH/UK), [The Foundry](#) (UK), [Allegorithmic](#) (FR), and [Evolute](#) (AT).

Each of the project partners contributes world-class competence in a particular area, and the core research contribution of MPI Informatik is in the area of Computer Graphics. In particular, our junior research position will focus on realistic image display.

**Description of the Offered Position.** MPI Informatik offers a fully paid junior research position for 7 months, paid by the EU. The junior researcher will be a part of the Computer Graphics Group of MPI Informatik, see <http://www.mpi-inf.mpg.de>.

**Project description:** Conduct research in the field of Computer Graphics, mainly on the topic of hyper-realistic image displays that support binocular depth, motion parallax, and eye accommodation.

**Eligibility for Hiring.** Candidates must also fulfill the “mobility requirement” imposed by the EU for ITN networks, which means that they must not have worked or resided in the Germany for more than 12 months during the three years prior to them joining the project. Any prior research experience (both in industry or academia) may not be longer than 4 years full-time equivalent. You must not have already completed any Ph.D. studies elsewhere. Ongoing Ph.D. studies at another university are perfectly ok, but as soon as you have graduated, you are no longer eligible.

**Work Environment.** The working language within the Computer Graphics Group at MPI Informatik, and of course also within the DISTRO project, is English. Free German classes at various levels are provided by MPI Informatik for those who want to improve their German language skills.

**Salary.** Pay is according to standardized EU rules for ITN grants, which leads to a gross salary of 3.077,89 € monthly. For applicants with a family the salary amounts to 3.287,39 € monthly.

**Application.** Inquiries should be directed to Karol Myszkowski (karol@mpi-inf.mpg.de). Applications have to be submitted via e-mail to the same email address until March 27th 2018 with the acronym DISTRO in the subject line. The following information has to be attached in a separate PDF file:

1. a CV with a list of publications and/or projects,
2. evidence, such as a scan of the diploma, of having obtained a degree that qualifies the applicant for Ph.D. enrolment,
3. an official transcript of grades obtained during the applicant’s bachelor and master studies,
4. a personal statement (up to 2 pages) about the applicants’ experience, interests and career goals,
5. and names and contact information of three people who could write a letter of recommendation.