

# Students, Are You Interested in Research in Computer Graphics?

2014-April-3

The *Department of Computer Graphics and Interaction* at the Czech Technical University, Faculty of Electrical Engineering invites the applications for student's research positions since 1st May 2014. The student's research job can take two basic forms:

- 1) **Student research assistant** - minimum engagement 16 hours a week, suitable for students who have already finished their bachelor study and they are expected to continue the next 12 to 18 months Master Study at the Czech Technical University. The proposed research activities opens a great opportunity to become a core for your outstanding Diploma Thesis.
- 2) **Potential PhD students** since 1st September 2014 – minimum engagement 32 hours a week, suitable for all students who are just finishing their Master Study and submitting their Diploma Theses in May 2014. The deadline for PhD study application at CTU FEL is 30th April 2014, the details are at webpage: <http://www.fel.cvut.cz/vv/doktorandi/prijem.html>

Successful student applicants will work on a research project in the area of rendering algorithms as a part of their study with the focus on global illumination algorithms and surface reflectance representations under regular supervision of the experienced researcher. The details will be discussed during interview.

**General requirements:** prior experience and knowledge of computer graphics is not necessary, but it is an advantage. The required qualification and skills is high proficiency in computer science including both theory and programming in C++. Deep knowledge of CUDA, OpenCL, GLSL, Matlab, Maple is not necessary but it is an advantage. Good background in math for example linear algebra, numerical optimization, and other disciplines is needed. The student applicants are expected to have high engagement, enthusiasm, and motivation to work intensively on interesting research project either in a team or individually, in dependence of their preferences. High proficiency in spoken and written English is a must as the job requires to read articles and implement the algorithms with comments in English.

Requirements for 2) for applicants becoming PhD students since 1st September 2014. The received Master Degree or expected to be received in June 2014.

The successful applicants will be paid salary at least 1) 120 CZK/hour or 2) 160 CZK/hour with possible bonus at the end of the year in dependence on the results. The successful applicants are expected to work on research projects that will lead to the publications in recognized European conferences and journals in computer graphics.

The interested students should send their CV, list of subjects studied with grades, example C++ source codes authored solely by an applicant, possible copies of documents showing their strong abilities such as diplomas from contests etc., and a motivation letter to Vlastimil Havran, the project leader. The job interviews will be organized by the end of April 2014, the start of the job is possible since 1st May or later. For any questions and details contact me by e-mail or phone.

The **deadline** for sending the application is **2014-April-18**.

Doc. Ing. Vlastimil Havran, Ph.D.

<http://dcgi.felk.cvut.cz/~havran>  
havran@fel.cvut.cz

