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Title: Postdoc and PhD student positions in
3D Geometry Processing / Computer Graphics / Computer Vision
Location: Ecole Polytechnique, France
Start date: April-September 2018
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Description:

One postdoctoral researcher and one PhD student position are available at the LIX research laboratory of Ecole Polytechnique in France, in the area of:

"Exploring Relations in Structured Data with Functional Maps"

The goal of this project is to develop tools for the analysis and processing of complex geometric data, such as large-scale 3D model collections, by building on techniques from Computer Graphics, Geometry Processing and Machine Learning. The ultimate objective is to create a unified framework for representing and analyzing structured data to solve problems such as: shape comparison and matching, shape segmentation and labeling, shape deformation and recognition among others. The project will be funded, in part, by the ERC Starting Grant EXPROTEA.

The ideal candidates should have strong background in at least some of the following:

- Geometry Processing and 3D shape analysis
- Computer Graphics
- Computer Vision and Image Processing
- Knowledge of basic Differential Geometry
- Machine Learning
- Programming experience, especially in multimedia data analysis

For the postdoc position, candidates must have a PhD at the starting time of the post-doc, and should have publications in top venues in either Computer Graphics (e.g., SIGGRAPH, Eurographics, SGP) or a related field. The expected duration of the post-doc is 2 years.

For the PhD position, the candidate should have a Master's degree with preference given to those having strong research experience. The expected duration of the PhD is 3 years.

Venue and supervision:

Successful candidates will be based at Ecole Polytechnique located in Palaiseau, Paris area, France. The project will be supervised by Maks Ovsjanikov (LIX, Ecole Polytechnique):

<http://www.lix.polytechnique.fr/~maks/index.html>

The expected salary is approximately 2400 euros net for the post-doctoral position and approximately 1800 euros net per month for the PhD position.

How to apply:

To apply, please contact Maks Ovsjanikov (maks@lix.polytechnique.fr). In your email, please include your CV, a short cover letter and a publication list. In your cover letter, make sure to mention how your interests and experience relate to the topics

in this announcement.

Reference letters are optional but may need to be provided upon request.