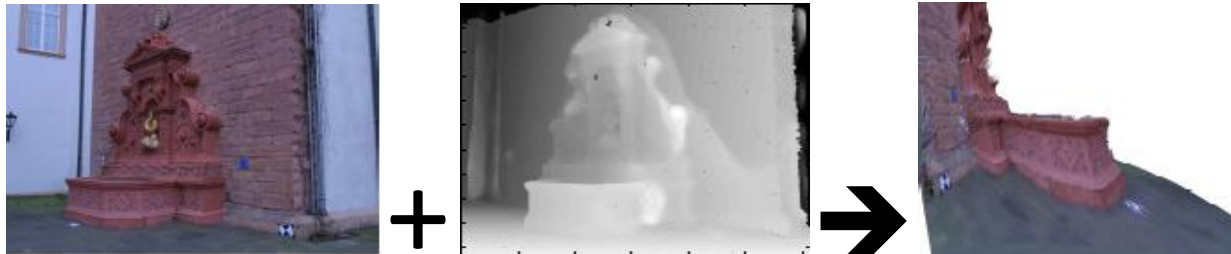


3D Modeling

Thesis outline

The goal of this thesis is to implement an algorithm for 3D modeling from (stereo) camera data.



Student Tasks

The student will receive the following:

- Image sequences containing color and depth information. This means that for every pixel, there is not only a color value, but also a depth value
- An article on 3D modeling describing a method to be implemented

With this information, the student is required to output the following:

- A Matlab or C++ or C# program implementing the given methodology, combining all images of the sequence in one 3D model.
- A Matlab or C++ or C# program for visualizing the 3D model.

Student Profile

- Good knowledge of programming
- Good knowledge of math
- Sound interest in computer vision