**DEGREE PROJECTS**

**SUPER RESOLUTION USING DYNAMIC CAMERAS**
Super resolution is a number of techniques that enhance the resolution of an imaging system. The main concept is to use two or more frames of data with different sampling grids, and to interpolate into higher sampling density, to increase the resolution. For our high speed imaging applications, the motion itself could cause the varying sampling grid. Currently we are tracking features at sub pixel resolution, but we would like to exploit super resolution to investigate potential performance increase. There are a number of aspects in our system setup that might affect the performance.

The goal of this master thesis is to study, implement and evaluate methods for super resolution.

*Other topics related to image analysis algorithms may also be interesting. Please contact us to discuss your ideas!*

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