



Trinocular Endoscope Stereomatching

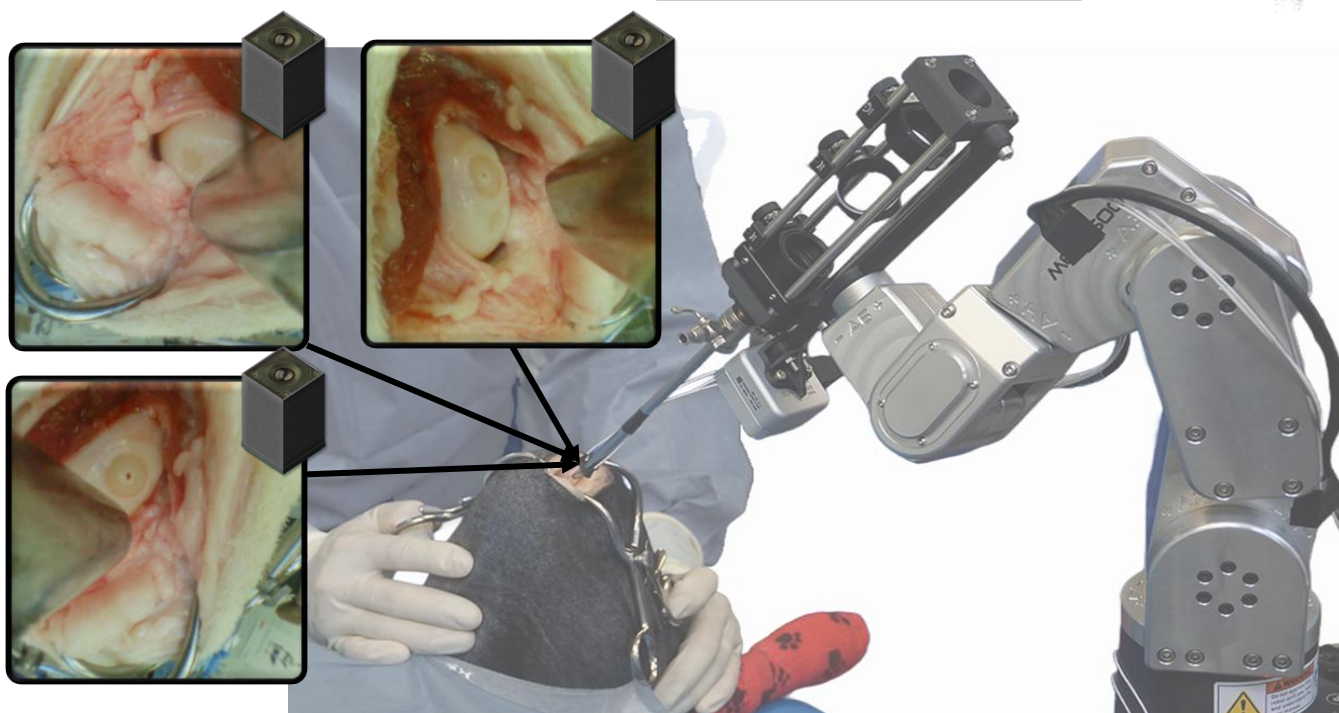
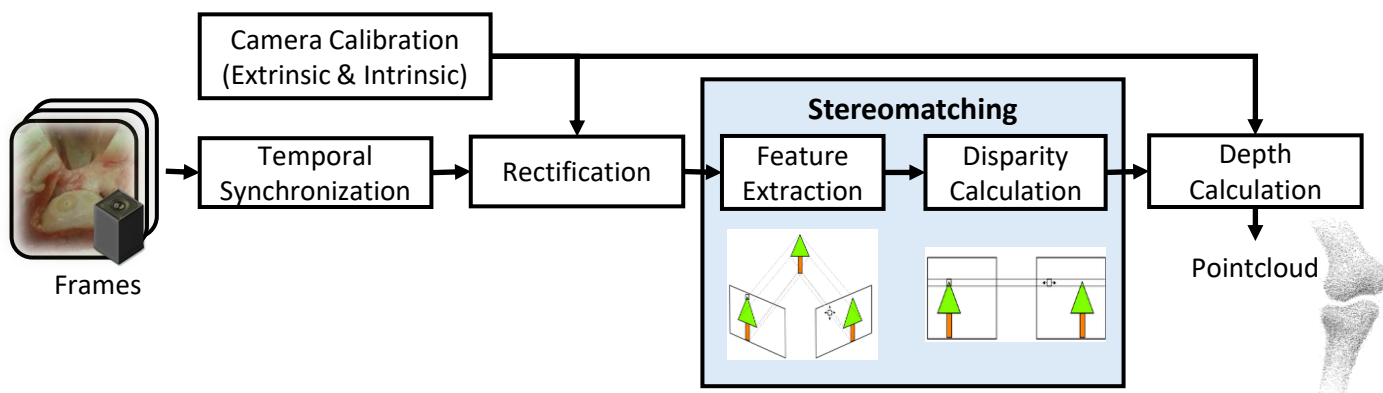
Master Thesis

Joint injuries and cartilage degeneration affect millions worldwide, causing pain and reduced mobility. The **LAROCARE (Laser-Assisted RObot-guided CARtilage REgeneration)** project uses a combination of robotics and laser technology to enable precise restoration of cartilage in the knee.



Compare and evaluate various stereomatching methods. The main challenges are lighting, texture and the ability to work in real time.

Depth Estimation, Stereo Endoscope, Semi-Global Block-Matching, Reconstruction Accuracy



Apply to this project by email. Send us (jan.schimmelpfennig@unibas.ch) your **CV**, and **diplomas**, and **course transcripts**.

On-Site or Remote

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