

Augmented Reality System for Oral and Cranio-Maxillofacial Surgery

Short description:

Implementation of an Augmented Reality (AR) navigation module for Oral and Cranio-Maxillofacial Surgery

Goal:

The goal of this interdisciplinary project between Computer Science and Medicine is to design and implement an Augmented Reality (AR) navigation module to support oral and Cranio-Maxillofacial Surgery. The project will be carried out in cooperation with Dr. Jürgen Wallner of the Division of Oral and Cranio-Maxillofacial Surgery at the Medical University of Graz. A further project partner is Dr. Xiaojun Chen, Associate Professor of the Institute of Biomedical Manufacturing and Life Quality Engineering from the Shanghai Jiao Tong University in China.

Note: Biomedical Engineering Students are welcome!

Keywords:

Augmented reality (AR), Navigation, Surgery, Image Analysis, Visualization, Computer Vision

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