



University  
of Basel

Department of  
Biomedical Engineering



Selected research topics in Biomedical Engineering:

## **Robot- & Computer-Assisted Surgery**

Location: DBE, Hegenheimermattweg 167B, Lecture Hall 02.097

Date & Time: Wednesday 11.10.2023 13:15 – 15:00

# **The eyes of the robots: Micro-Camera-Systems used today**

***Dipl.-Ing. Dieter Hüls***

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*[www.brel.ch](http://www.brel.ch)*

### **Abstract**

The lecture gives an insight into this topic. Current micro camera systems will be presented and aspects of optics, connection technology especially in motion systems and the processing possibilities, such as bonding, will be considered.

### **Biosketch**

Dieter Hüls has a degree in electrical engineering from 1988 and has been active in various roles in the development of medical products for over 20 years. One of his main focuses is the development of video laryngoscopes for anesthesia and emergency medicine and camera systems for flexible endoscopes.