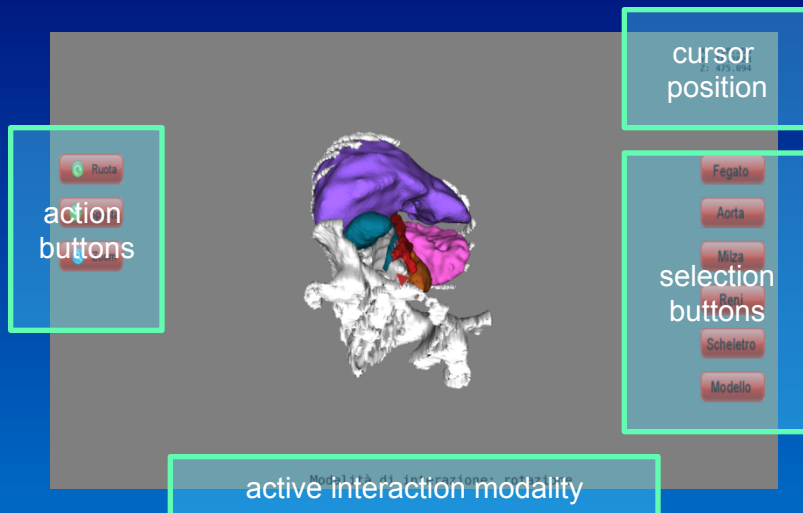


Virtual Interface

- first prototype designed to avoid contact with the computer
- interactions in real-time
- the virtual interface appears as a touch-screen suspended in free space
- the interaction happens by pressing the buttons located in the interface



Gestural Interface

Bacterial Contamination of Computer Keyboards in a Teaching Hospital

Maureen Schultz, MSN, CIC; Janet Gill, BSN, CIC; Sabiha Zubairi, MT; Ruth Huber, MS, CIC; Fred Gordin, MD

ABSTRACT

We tested 100 keyboards in 29 clinical areas for bacterial contamination. Ninety five were positive for microorganisms. *Streptococcus*, *Clostridium perfringens*, *Enterococcus* (including one vancomycin-resistant *Enterococcus*), *Staphylococcus aureus*, fungi, and *Pseudomonas aeruginosa* were isolated. Computer equipment

COMPUTER KEYBOARD AND MOUSE AS A RESERVOIR OF PATHOGENS IN AN INTENSIVE CARE UNIT

Bernd Hartmann, Dr med.,¹ Matthias Benson, Dr med.,¹ Axel Junger, Dr med. habil,¹ Lorenzo Quinzio,¹ Rainer Röhrig, Dr med.,¹ Bernhard Fengler,¹ Udo W. Färber, Dr rer. nat.,² Burkhard Wille, Prof Dr med.,² and Gunter Hempelmann, Prof Dr med. Dr h.c.

Hartmann B, Benson M, Junger A, Quinzio L, Röhrig R, Fengler B, Färber UW, Wille B, Hempelmann G. Computer keyboard and mouse as a reservoir of pathogens in an intensive care unit. J Clin Monit 2004; 18: 7-12

ABSTRACT. Objective. User interfaces of patient data management systems (PDMS) in intensive care units (ICU), like computer keyboard and mouse, may serve as reservoirs for the transmission of microorganisms. Pathogens may be transferred via the hands of personnel to the patient causing nosocomial infections. The purpose of this study was to examine the microbial contamination of computer user inter-

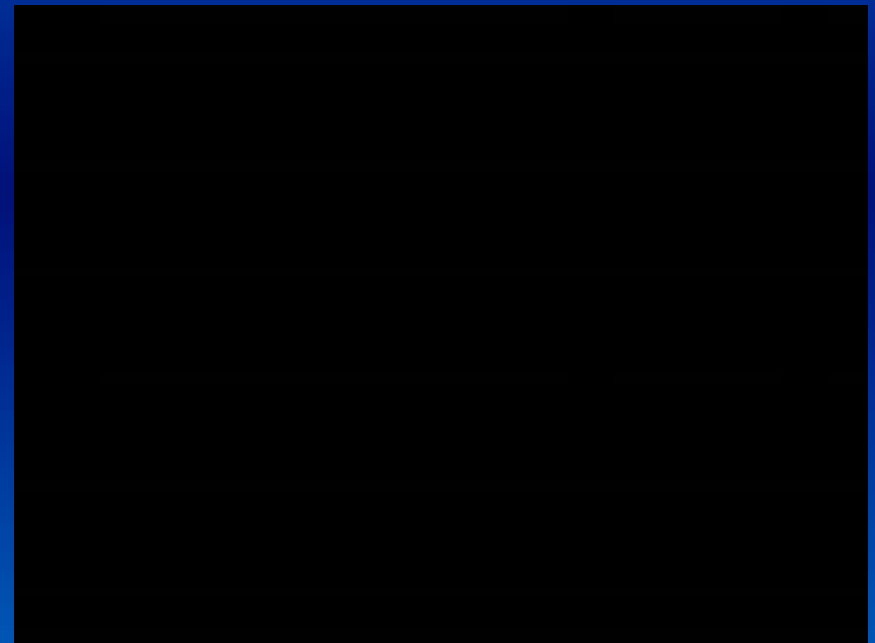
Gestural Interface



Gestural Interface

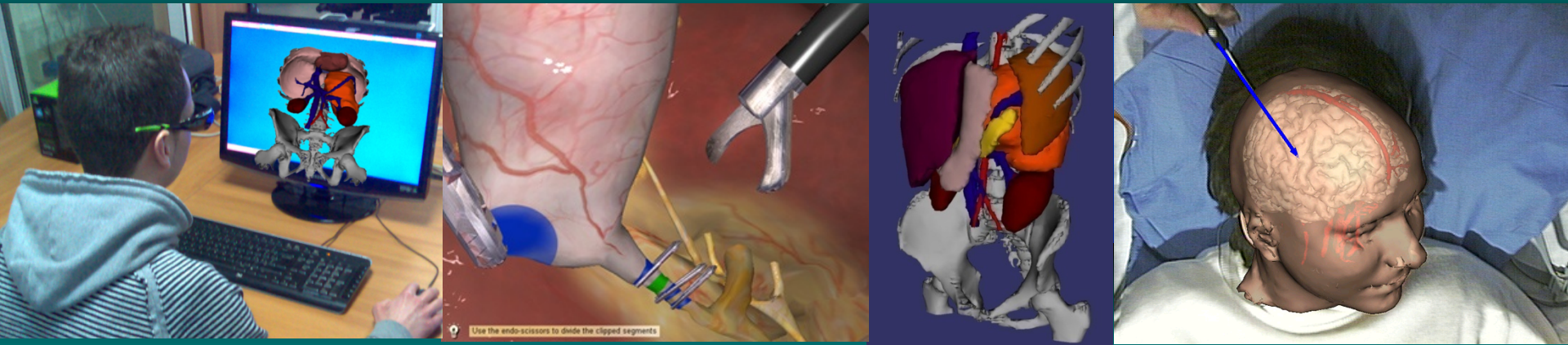


iPad in Surgery





Department of Engineering for Innovation
University of Salento
Lecce, Italy



Lucio Tommaso De Paolis

lucio.depaolis@unisalento.it

Augmented and Virtual Reality Laboratory (AVR Lab)

www.avr.unisalento.it