

**Workshop: Usability and Ergonomics in the OR
at the
3rd Symposium HCI&UE Workgroup - Austrian Computer Society**

Wednesday, 21st November 2007, 13:00-17:00

Workshop Chair: Klaus-Martin Simonic (Medical University of Graz, Austria)
Workshop Organizers: Ulrich Matern & Dirk Büchel (Experimental-OR, Tübingen,
Germany)

As a result of the permanently increasing number of more and more complex and complicated technological applications in medicine and health care, staff members are extremely challenged. This situation is tightened by the lack of usability. For economic reasons, the health care system is relying increasingly on lower-skilled personnel with limited health care education and training. Many of the devices in this field are not intuitive, hard to learn and use. User errors are inevitable.

The aim of the Experimental-OR Tuebingen is to develop a concept for an ergonomic operation room (OR) with compatible components. Therefore, methods of the ergonomic research are used and gained expertise is brought into the respective expert panels and standardization committees (DGBMT/VDE).

Within this workshop the ergonomic problem in the OR will be pointed out theoretically and practically. Experiences of affected users will be discussed and potential for improvement will be worked out. The workshop comprises three main parts: After an introducing the topic and a presentation of the Experimental-OR Tuebingen, the ergonomic problem of the OR will be worked out within a practical process of self-awareness. Finally, experiences of the workshop participants will be discussed and further potential improvement for the OR will be compiled.

The workshop is especially addressed to surgeons and OR staff with willingness of collaboration in a process of self-awareness. It will introduce into the topic and attract attention to the ergonomic problem within the OR.

The workshop is limited to a maximum of 12 attendees.