Imaging Interaction in Surgery

Guest Editors:

Dr. Helena M. Mentis
Department of Information Systems, University of Maryland Baltimore County, Baltimore, MD, USA

Dr. Ignacio Avellino
Department of Information Systems, University of Maryland Baltimore County, Baltimore, MD, USA

Deadline for manuscript submissions:
closed (10 February 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue explores multimodal interaction with imaging systems in the operating room (OR). The OR constitutes a specialized environment with unique challenges for interaction, for instance, the sterile barrier between the surgeon and the imaging system or the fact that such systems divide both the attention (cognitive) and the task space (physical) between the surgical procedure and the interaction.

We welcome submissions of different types, including research articles, case studies, systematic reviews, literature reviews, theoretical and critical perspectives, and opinions on multimodal technologies for imaging systems in the OR. Example topics include, but are not limited to, the following:

- Novel interaction techniques;
- Empirical studies on the impacts of multimodal technologies;
- Contributions to the methodology for exploring interaction techniques;
- Implications for the design of future interactive systems; and
- Theoretical contributions that enlarge our understanding of interactions with existing or future multimodal technologies.

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Special Issue