

## Special Issue

# Infra-Operative Imaging, Sensing and Augmented Reality in Image-Guided Surgery

### Message from the Guest Editors

Image-guided surgery (IGS) has gained widespread acceptance in various clinical practices. Although the core concepts of IGS have not changed, advances in image guidance technology, including the incorporation of intra-operative imaging, sensing and augmented reality, have the potential to enhance the safety of surgery, improve the accuracy of interventions, and aid in more complete surgery, with improved outcomes. In the past few years, significant progresses have been achieved in developing novel intra-operative imaging means, in incorporating smart sensing technology and in the introduction of new augmented reality display. This Special Issue is open to research and review papers in this field, including, but not limited to: • Intra-operative imaging

- Robotic imaging
- Surgical imaging and vision
- Intra-operative sensing, perception and recognition
- Augmented reality in IGS
- Multi-modal image fusion and visualization

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### Guest Editors

Prof. Dr. Guoyan Zheng

Dr. Wenyong Liu

Prof. Dr. Xiaojun Chen

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### Deadline for manuscript submissions

closed (15 October 2022)



## Sensors

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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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