



# CALL FOR PAPERS FOR THE SPECIAL SESSION

## Measurement Systems and Sensors for Diagnostic and Therapeutic Procedures

### ABSTRACT

The broad clinical acceptance of new diagnostic and therapeutic procedures is gaining substantial interest and is encouraging the efforts of engineers and scientists for the development of measurement systems and sensors to support these procedures.

Both conventional clinical approaches and minimally invasive ones (e.g., endoscopic and laparoscopic surgery, image-guided diagnosis and therapies, and robotic-assisted minimally invasive tools) need quantitative information during the ongoing procedures to optimizing results and minimizing the duration. This special session aims at presenting the up-to-date studies focused on measurement systems and sensors for improving outcomes of both therapy and diagnosis.

### TOPICS

- Measurement systems and sensors for surgery and therapies
- Measurement systems and sensors for diagnostic procedures
- Measurement systems and sensors in robotic procedures
- Measurement system and sensors for image-guided procedures
- Contactless measurement systems
- Measurements based on diagnostic imaging techniques for medical applications

### CHAIRS

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