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| Descrizione fisica | 1 online resource (536 p.) |
| Altri autori (Persone) | BuzugThorsten M. <1963-> LuethTim |
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| Soggetti | Computer vision in medicine Surgery - Data processing Virtual reality in medicine Robotics in medicine Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
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| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Foreword; CONTENTS; Registration; Advanced Navigation and Motion Racking; Calibration and Accuracy Analysis; Clinical Case Studies; Simulation and Modelling; Robotic Interventions; Sensor Feed-Back Systems; Visualization and Augmented Reality; List of Authors |
| Sommario/riassunto | The application of computer-aided planning, navigation and robotics in surgery provides significant advantages due to today's sophisticated techniques of patient-data visualization in combination with the flexibility and precision of novel robots. Robotic surgery is set to revolutionize surgical procedures. Augmented with 3D image-guidance technology these tools give finer control over sensitive movements in diseased areas and therefore allow more surgical procedures to be performed using minimally invasive techniques. This book provides an overview of new image-guided procedures in all areas |

