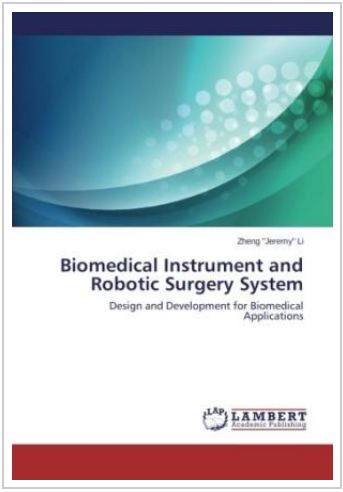

Biomedical Instrument and Robotic Surgery System

By Li, Zheng (Jeremy)

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Design and Development for Biomedical Applications | The biomedical instruments and robotic surgery system are designed for biomedical applications. The biomedical professionals can provide effective assistance to the physicians on how to properly handle these biomedical systems in medical practices. The less invasive biomedical systems are being studied and analyzed to improve its quality since the well designed biomedical instruments can keep minimized body disruption and less organ trauma to the patient. Robotic surgery shows decreased incisions, minimized infection, less pains, and reduced healing period. The prototyping to implement robotic surgical system is a new scientific technology integrating mathematics, physics, automation, material science, mechanical engineering, electrical engineering, and manufacturing engineering to perform design, development, experiment and modification. The book describes the biomedical system development by using analytic methodology, computational simulation, systematic analysis, prototype analysis and sampled robotic system testing. This book, therefore, can be used friendly for physicians by providing introduction, study, analysis and improvement for current and future biomedical systems. | Format: Paperback | Language/Sprache: english | 72 pp.

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