



Clinical Engineering: A Handbook for Clinical and Biomedical Engineers

From Azzam Taktak

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Clinical Engineering: A Handbook for Clinical and Biomedical Engineers

From Azzam Taktak

Clinical Engineering is intended for professionals and students in the clinical engineering field who need to successfully deploy medical technologies. The book provides a broad reference to the core elements of the subject and draws from the expertise of a range of experienced authors.

In addition to engineering skills, clinical engineers must be able to work with patients and with a range of professional staff, including technicians and clinicians, and with equipment manufacturers. They have to keep up-to-date with fast-moving scientific and medical research in the field and be able to develop laboratory, design, workshop, and management skills. This book is the ideal companion in such studies, covering fundamentals such as IT and software engineering as well as topics in rehabilitation and assistive technology.

- Provides engineers in core medical disciplines and related fields with the skills and knowledge to successfully collaborate to in developing medical devices to approved procedures and standards
- Covers US and EU standards (FDA and MDD, respectively, plus related ISO requirements), the de facto international standards, and is backed up by real-life clinical examples, case studies, and separate tutorials for training and class use
- The first comprehensive and practical guide for engineers working in a clinical environment

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