



The Biomedical Photonics Handbook: Volume I: Fundamentals, Devices, and Techniques (Hardback)

By -

Taylor Francis Inc, United States, 2014. Hardback. Condition: New. 2nd Revised edition. Language: English . Brand New Book. Shaped by Quantum Theory, Technology, and the Genomics Revolution The integration of photonics, electronics, biomaterials, and nanotechnology holds great promise for the future of medicine. This topic has recently experienced an explosive growth due to the noninvasive or minimally invasive nature and the cost-effectiveness of photonic modalities in medical diagnostics and therapy. The second edition of the Biomedical Photonics Handbook presents recent fundamental developments as well as important applications of biomedical photonics of interest to scientists, engineers, manufacturers, teachers, students, and clinical providers. The first volume, Fundamentals, Devices, and Techniques, focuses on the fundamentals of biophotonics, optical techniques, and devices. Represents the Collective Work of over 150 Scientists, Engineers, and Clinicians Designed to display the most recent advances in instrumentation and methods, as well as clinical applications in important areas of biomedical photonics to a broad audience, this three-volume handbook provides an inclusive forum that serves as an authoritative reference source for a broad audience involved in the research, teaching, learning, and practice of medical technologies. What s New in This Edition: A wide variety of photonic biochemical sensing technologies has already...



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