



## Biomedical Images and Computers: Selected Papers Presented at the United States-France Seminar on Biomedical Image Processing, St. Pierre de Chartreuse, France, May 27-31, 1980

By -

Springer. Paperback. Book Condition: New. Paperback. 332 pages. Dimensions: 9.6in. x 6.7in. x 0.8in. The technology of automatic pattern recognition and digital image processing, after over two decades of basic research, is now appearing in important applications in biology and medicine as well as industrial, military and aerospace systems. In response to a suggestion from Mr. Norman Caplan, the Program Director for Automation, Bioengineering and Sensing at the United States National Science Foundation, the authors of this book organized the first United States-France Seminar on Biomedical Image Processing. The seminar met at the Hotel Beau Site, St. Pierre de Chartreuse, France on May 27-31, 1980. This book contains most of the papers presented at this seminar, as well as two papers (by Biscoite et al. and by Ploem al.) discussed at the seminar but not appearing on the program. We view the subject matter of this seminar as a confluence among three broad scientific and engineering disciplines: 1) biology and medicine, 2) imaging and optics, and 3) computer science and computer engineering. The seminar had three objectives: 1) to discuss the state of the art of biomedical image processing with emphasis on four themes: microscopic image analysis, radiological image...

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