



Biomedical Simulation

By Fernando Bello

Springer-Verlag Gmbh Jun 2008, 2008. Taschenbuch. Book Condition: Neu. 240x159x14 mm. Neuware - This book contains the written contributions to the 4th International Symposium on Biomedical Simulation (ISBMS), which was held at Imperial College in London, UK, July 7-8, 2008. The manuscripts are organized in four different sections corresponding to key areas and techniques of this constantly expanding field: finite element modeling, mass spring and statistical shape modeling, motion and fluid modeling and implementation issues. An additional section covers the posters presented at the meeting. Recent years have seen increased interest in computational models for biomedical simulation. The symposium provided an international forum for researchers in this area to share their latest work and to discuss future trends. It was held in the spirit and continuation of the symposia on Surgical Simulation and Soft Tissue Modeling (IS4TM) organized in 2003 by INRIA, Medical Simulation (ISMS) in 2004 by CIMIT and Biomedical Simulation (ISBMS) in 2006 by ETH. The meeting was a single track with 19 oral presentations and 7 posters selected after evaluation by at least three members of the Program Committee. In addition to contributed papers, the symposium included discussion panels on meshless methods and GPU-based simulation that gave participants an opportunity to learn the principles,...



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