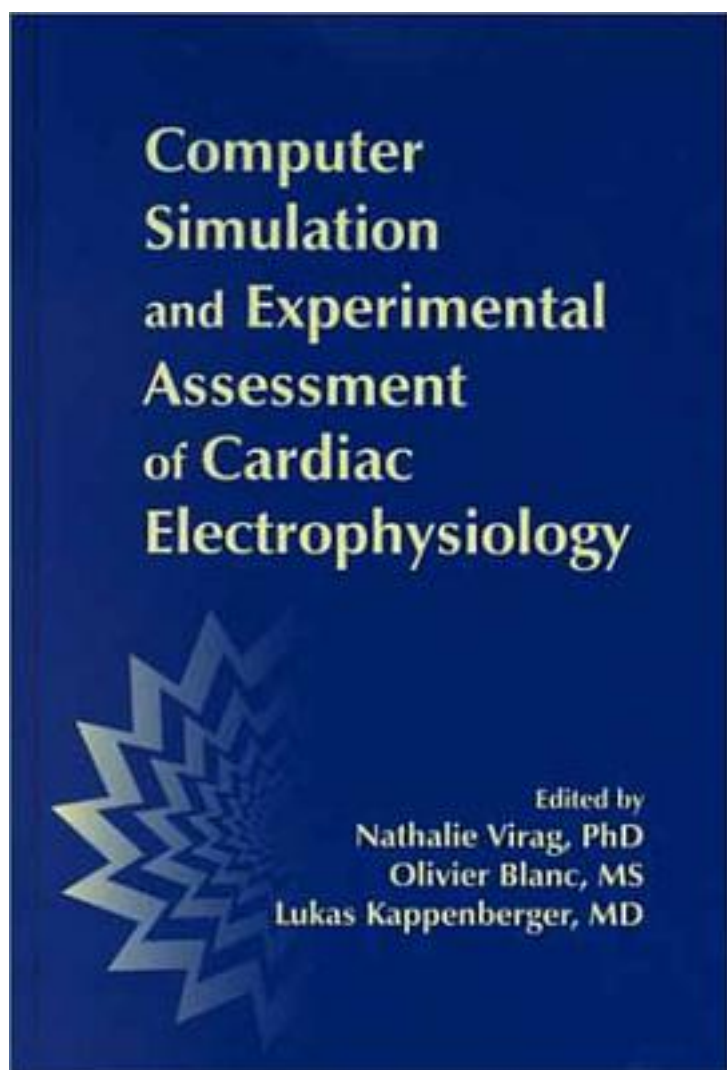


Computer Simulation and Experimental Assessment of Cardiac Electrophysiology



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A leading edge look at the dynamic field of computer modeling of cardiac electrophysiology. This book is among the first to give a comprehensive overview of the promising and rapidly growing field of computer modeling of the heart. The success of this new field strongly depends on the establishment of multidisciplinary exchanges of information. Accordingly, scientists from different horizons, including clinicians, basic electrophysiologists, engineers, and mathematicians, have all contributed to this succinct work. The book's aim is to show how computer modeling can help us to understand the mechanisms of cardiac arrhythmia and to develop new therapeutic strategies. In addition to computer simulation results, it presents the corresponding experimental data, efficiently gathering in one book research work on simulation and experiments on humans and animals. Electrophysiologists, cardiologists, biomedical engineers, biophysicists, and others interested in the field of computer modeling of cardiac electrophysiology, will all benefit from this current, dynamic review.

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