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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Soft Tissue Properties -- LASTIC: A Light Aspiration Device for in vivo Soft Tissue Characterization -- Characterization of Suction and CUSA Interaction with Brain Tissue -- Evaluation of a Technique to Estimate the Compliance of Atherosclerotic Intima -- Quantifying Mechanical Properties in a Murine Fracture Healing System Using an Inverse Geometric Nonlinear Elasticity Modeling Framework -- Modeling and Segmentation -- Optimization of Case-Specific Vascular Tree Models

Based on Vessel Size Imaging -- Efficient Generation of Corresponding Meshes for Biomedical Flow Simulations -- Solid Mesh Registration for Radiotherapy Treatment Planning -- Physics-Based Modeling of the Pregnant Woman -- Semi-automatic Segmentation of Fractured Pelvic Bones for Surgical Planning -- Simulation of Biophysical Processes -- Development of a Computer Simulation Tool for Application in Adolescent Spinal Deformity Surgery -- A Fluid-Structure Interaction Index of Coronary Plaque Rupture -- Biomechanical Simulation of Human Eye Movement -- A Theoretical Model for RF Ablation of Kidney Tissue and Its Experimental Validation -- A Point-Based Simulation Framework for Minimally Invasive Surgery -- Real-Time Interactive Simulation -- Six Degree-of Freedom Haptic Rendering for Dental Implantology Simulation -- Haptic Simulator for Prostate Brachytherapy with Simulated Ultrasound -- A Shell Model for Real-Time Simulation of Intra-ocular Implant Deployment -- Endovascular Guidewire Flexibility Simulation -- Comparing Automatic Simulator Assessment with Expert Assessment of Virtual Surgical Procedures.
