

1. Record Nr.	UNISA996465852303316
Titolo	Biomedical Simulation [[electronic resource]] : Third International Symposium, ISBMS 2006, Zurich, Switzerland, July 10-11, 2006, Proceedings // edited by Matthias Harders, Gábor Székely
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2006
ISBN	3-540-36010-7
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (XII, 220 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4072
Disciplina	610.1/1
Soggetti	Computer simulation Computer vision Computer graphics Medical informatics Radiology Computer Modelling Computer Vision Computer Graphics Health Informatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Simulation of Biophysical Processes -- Computer Prediction of Friction in Balloon Angioplasty and Stent Implantation -- Real Time Simulation of Organ Motions Induced by Breathing: First Evaluation on Patient Data -- Efficient 3D Finite Element Modeling of a Muscle-Activated Tongue -- A 3-D Computational Model for Multicellular Tissue Growth -- Hierarchical Multi-resolution Finite Element Model for Soft Body Simulation -- Simulation of the Retroglossal Fluid-Structure Interaction During Obstructive Sleep Apnea -- Image Based Musculoskeletal Modeling Allows Personalized Biomechanical Analysis of Gait -- Real-Time Simulation for Global Deformation of Soft Tissue Using Deformable Centerline and Medial Representation -- The Framework for Real-Time Simulation of Deformable Soft-Tissue Using a Hybrid Elastic Model -- Systems and Applications -- A Flexible Framework for

Highly-Modular Surgical Simulation Systems -- An Introduction to GPU Accelerated Surgical Simulation -- Simulation of Cardiac Activation Patterns for Checking Suggestions About the Suitability of Multi-lead ECG Electrode Arrays -- Simulation of the Continuous Curvilinear Capsulorhexis Procedure -- Annotated Surgical Manipulation for Simulator-Based Surgical Skill-Transfer Using SiRE -- Simulation Record Editor -- Real-Time Area-Based Haptic Rendering for a Palpation Simulator -- New Methods for Video-Based Tracking of Laparoscopic Tools -- Anatomical Modeling and Tissue Properties -- Mechanical Characterization of the Liver Capsule and Parenchyma -- Parameter Optimisation of a Linear Tetrahedral Mass Tensor Model for a Maxillofacial Soft Tissue Simulator -- An Integrated Dynamic Jaw and Laryngeal Model Constructed from CT Data -- Simulation of Stomach Specimens Generation Based on Deformation of Preoperative CT Images -- 3D Cylindrical B-Spline Segmentation of Carotid Arteries from MRI Images -- Simulation of Soft-Tissue Deformations for Breast Augmentation Planning -- Local Mesh Adaptation for Soft Tissue Simulation.

Sommario/riassunto

This book contains the written contributions to the Third International Symposium on Biomedical Simulation (ISBMS), which was held in Zurich, Switzerland, on July 10-11, 2006. The manuscripts are organized around three thematic sections which cover several of the major aspects of our rapidly growing field: anatomical modeling and tissue properties, simulation of biophysical processes, as well as systems and applications. The symposium provided an international forum for researchers interested in using biomedical simulation technology for the improvement of patient care. It was held in the spirit and continuation of the symposia on Surgical Simulation and Soft Tissue Modeling (IS4TM) organized in 2003 by INRIA, and on Medical Simulation (ISMS) in 2004 by CIMIT. We received 37 submissions from 13 different countries. Each was evaluated by three members of the scientific committee. Based on these reviews, 12 manuscripts were selected for oral presentation and 11 for poster presentation. All accepted manuscripts were allowed a written contribution of equal length and were presented at the meeting in single track. The geographical breakdown of the different institutions presenting their research was: Austria, Belgium, Canada, China, Denmark, France, Germany, Japan, Korea, Netherlands, Spain, and Switzerland. The quality of the contributions indicates that the symposium is an important milestone in our rapidly growing research area at the confluence of several related disciplines. It was a great pleasure hosting this successful event, and we hope that all attendees enjoyed the intense and stimulating symposium.

2. Record Nr.	UNINA9910715978703321
Titolo	Summer driving dangers : exploring ways to protect drivers and their families : hearing before the Subcommittee on Consumer Protection and Commerce of the Committee on Energy and Commerce, House of Representatives, One Hundred Sixteenth Congress, first session, May 23, 2019
Pubbl/distr/stampa	Washington : , : U.S. Government Publishing Office, , 2021
Descrizione fisica	1 online resource (v, 98 pages) : color illustrations
Soggetti	Automobiles - United States - Safety measures Automobiles - Safety regulations - United States Automobiles - Technological innovations Automobiles - Design and construction Heat stroke Heat - Physiological effect Children's accidents - United States - Prevention Legislative hearings.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Access ID (govinfo): CHR16-116hhrg40556. "Serial no. 116-39."
Nota di bibliografia	Includes bibliographical references.