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Preface

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.

July 2006

Matthias Harders
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Acknowledgments

The Third International Symposium on Biomedical Simulation would not have been possible without the help and support of many dedicated people.

First we would like to express our gratitude towards the members of the Program Committee for reviewing the submitted papers in a timely and professional manner, as well as for their general support of the concept and organization of the symposium. Special thanks go to Peter Hunter, Peter Leskovsky, and Ian Summers for their last-minute support. Furthermore we are thankful for the encouragement and support of the Steering Committee to continue the traditions laid by the previous meetings in Juan-Les-Pins and Cambridge, MA.

Moreover, our sincere thanks go to the members of the Computer Vision Lab of ETH Zurich for their involvement and support in the organization of the conference. In particular, we thank Axel Krauth and Barbara Widmer for managing the conference website, helping in preparing the camera-ready version of the proceedings, and handling of all local organizational matters.

Sponsoring Institutions

Swiss National Center of Competence in Research on Image Guided and Computer Aided Medical Interventions (NCCR Co-Me).
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