TABLE OF CONTENTS

Modeling and Simulation in Clinical Trials ................................................................. 1
   I. Abbas

Simulation Environment for Testing Security and Privacy of Mobile Health Apps ........................................ 7
   A. Mense, P. Urbauer, S. Sauermann, H. Wahl

Blood Flow Simulations with Application to Cerebral Aneurysms ........................................ 12
   W. Fenz, J. Dirnberger, I. Georgiev

Modeling of a Transfer Task in Computer Assisted Surgical Training ........................................ 20
   M. Hong, J.W. Rozenblit

Rigorous Modeling and Analysis of Interoperable Medical Devices ........................................ 26
   A. Mashkoor, J. Sametinged

Modeling and Simulation for Pediatric Sleep and Education Performance Correlations .................. 34
   J. Roveda, M. Perfect, S.F. Quan

Comparative Analysis of Classification Models in Diagnosis of Type 2 Diabetes .......................... 38
   D. Almadni, A. Abhari

Author Index