Humanoids and Biomedical Applications

O. Khatib, J. Warren, V. De Sapio and L. Sentis
Human-like motion from physiologically-based potential energies

J. Babič and J. Lenarčič
Role of biarticular muscles in human jump

J.P. Schmiedeler, J.J. Stephens, C.R. Peterson and W.G. Darling
Human hand movement kinematics and kinesthesia

M.C. Villa-Uriol, F. Kuester, N. Bagherzadeh, A. Perez and J.M. McCarthy
Kinematic synthesis of avatar skeletons from visual data

H. Mayer, I. Nagy and A. Knoll
Kinematics and modelling of a system for robotic surgery

R. Konietschke, T. Ortmaier, H. Weiss and G. Hirzinger
Manipulability and accuracy measures for a medical robot in minimally invasive surgery

S. Lee and G.S. Chirikjian
Helix-Helix packing in proteins: The kinematics of interacting line segments