BOOK CHAPTERS


REFEREED JOURNAL ARTICLES

1. Abdel Fatah, Shirley, Jantz, **Mahfouz**, “Improving Sex Estimation from Crania Using a Novel Three-dimensional Quantitative Method,” Journal of Forensic Science (accepted)
2. Cheng, Carr, Wong, Sharma, Mahfouz, Komistek, “Altered Spinal Motion in Low Back Pain Associated with Lumbar Strain and Spondylosis”, Evidence-Based Spine-Care Journal (accepted)


**CONFERENCE PODIUM PRESENTATIONS (FULL PAPER REVIEW)**

1. To, **Mahfouz**, “Modular Wireless Inertial Trackers for Biomedical Applications,” IEEE Radio Wireless Week, Austin, TX, 2013. (spring)


4. Rowe, Fathy, Kuhn, **Mahfouz**, “A UWB Transmit-Only Based Scheme for Multi-tag Support in a Millimeter Accuracy Localization System,” IEEE Radio and Wireless Symposium, Austin, TX, 2013. (spring)


54. El Dakhakhni, **Mahfouz**, “Patient-Specific 3-D Bone Model Reconstruction From X-ray Fluoroscopy,” 22nd Annual Congress of the International Society for Technology in Arthroplasty, Waikoloa, HI, 2009.

55. To, **Mahfouz**, “Motion Tracking Using Miniature Wireless MEM Inertial Motion Sensing Unit,” 22nd Annual Congress of the International Society for Technology in Arthroplasty, Waikoloa, HI, 2009.


61. Zingde, Leszko, Komistek, Garino, Hozack, Dennis, **Mahfouz**, “In Vivo Determination and Correlation of Kinematics and Sound for Subjects Having Four Different Ceramic-on-Ceramic THA,” 22\textsuperscript{nd} Annual Congress of the International Society for Technology in Arthroplasty, Waikoloa, HI, 2009.


63. Anderle, Zingde, Komistek, Dennis, **Mahfouz**, “Body Mass Index Comparison of Knee Kinematics for Obese, Overweight and Normal Weight TKA Subjects,” 22\textsuperscript{nd} Annual Congress of the International Society for Technology in Arthroplasty, Waikoloa, HI, 2009.

64. Leszko, Zingde, Argenson, **Mahfouz**, Komistek, “Correlation of 3D In Vivo Patellofemoral Kinematics with Sound Data for TKA and Non-Implanted Knees,” 22\textsuperscript{nd} Annual Congress of the International Society for Technology in Arthroplasty, Waikoloa, HI, 2009.


68. Blumenfeld, Glaser, Bargar, Komistek, Langston, **Mahfouz**, “In Vivo Assessment of Hip Kinematics During Four Activities,” 22\textsuperscript{nd} Annual Congress of the International Society for Technology in Arthroplasty, Waikoloa, HI, 2009.


140. Wong, Jones, Komistek, **Mahfouz**, “Adaptation of a 3D Model-fitting Technique to Assess In Vivo Lumbar Spine Motion,” 2nd Interdisciplinary Congress on Spine Care, World Spine II, Chicago, IL, 2003.


**CONFERENCE POSTER PRESENTATIONS (FULL PAPER REVIEW)**


103. Sharma, Komistek, Ranawat, Dennis, **Mahfouz**, “In-vivo Performance Comparison between Mobile and Fixed Bearing TKA,” 52nd Annual Meeting of the Orthopedic Research Society, Chicago, IL, 2006.


105. Liu, Komistek, **Mahfouz**, “In Vivo Kinetic Analysis of Normal, Degenerative, Fused and Disc Replacement Cervical Spine,” 5th World Congress of Biomechanics, Munich, Germany, 2006.


112. Sharma, Komistek, Ranawat, Dennis, **Mahfouz**, “In-Vivo Contact Pressures in Total Knee Arthroplasty,” 18th Annual Meeting of the International Society for Technology in Arthroplasty, Kyoto, Japan, 2005.


GUEST LECTURESHIP


15. Aultman Institute Program in Continuing Medical Education. “Gender Anatomical Differences.” Canton, Ohio, June 2007.


