

## LABORATOIRE DE RECHERCHE EN IMAGERIE ET ORTHOPÉDIE (LIO)

### Articles publiés au complet dans des comptes rendus de conférence avec comité de lecture 1999 - 2004

#### 2004

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3. Li Y, Aissaoui R, Lacoste M, Dansereau J. (2004) "Development and Evaluation of a New Body-Seat Interface Measurement System." IEEE Transactions on Biomedical Engineering, 51(11): 2040-50.
4. Madi MS, Khayati K, Bigras P. (2004) "Parameter Estimation for the LuGre Friction Model using Interval Analysis and Set Inversion." IEEE International Conference on Systems, man and Cybernetics, p. 428-33, Hague, Netherlands.
5. Nuño N., Plamondon D. (2004) "Measurement of the Residual Stresses due to Cement Polymerization of Cemented Hip Implants." 7<sup>th</sup> International Conference on Residual Stresses, Juin 14-17, Xi'an, Chine. (acceptée)
6. Nuño N., Plamondon D. (2004) "Experiments on the Residual Stresses due to Cement Polymerization for Cemented Hip Implants." ASME International Mechanical Engineering Congress and Exposition, Novembre 13-19, Anaheim, É.-U. (acceptée)
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10. Dumas R, Aissaoui R, Mitton D, Skalli W, de Guise JA. (2004) "Determination of Personalized Inertial Parameters of Lower Limb by bi-Planar Low Dose Radiography." 18<sup>th</sup> International Congress of Computer Assisted Radiology and Surgery, Chicago, USA, p. 19-24.
11. Benameur S, Mignotte M, Destrempes F, de Guise JA. (2004) "Estimation of mixture of probabilistic PCA with stochastic EM for the 3D biplanar reconstruction of scoliotic rib cage", 11th IEEE International Conference on Image Processing (ICIP'2004), Singapore, p. 2949-52.
12. Benameur S, Mignotte M, Destrempes F, de Guise JA. (2004) "3D Biplanar Reconstruction of Scoliotic Rib Cage using Statistical Models", 5<sup>th</sup> International Research Society of Spinal Deformities Meeting (IRSSD), Vancouver, p. 135-8.
13. Benameur S, Mignotte M, Labelle H, de Guise JA. "3D Statistical Shape Models for Automatic 3D Biplanar Reconstruction of Scoliotic Spine", 5<sup>th</sup> International Research Society of Spinal Deformities Meeting (IRSSD), p. 223-6.
14. Deschênes S, Pomero V, Godbout B, Skalli W, de Guise JA. (2004) "Edge-Bases Pattern Matching Technique for the Automation of the 3D Reconstruction of the Spine", 5<sup>th</sup> International Research Society of Spinal Deformities Meeting (IRSSD), Vancouver, p. 187-90.

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