



1st Field Session: Software



Patrick Salvia – co-chairman

Received the PhD in Physical Therapy from the University of Brussels (Belgium) in 2004 about the development of an 6 dof electrogoniometer. He also obtained a B.S. degree in Computer Sciences from the Institut des Carrieres Commerciales (Brussels). He is now coordinator of the Gait Lab of Faculty of Medicine .He was mainly interested in joint kinematics including shoulder, wrist and knee and functional evaluation of these joint and more recently in quantified motion analysis using optoelectronic system.



François-Xavier Lepoutre – co-chairman

Professor of Automatic control at ENSIAME (Engineering school). Head of the Biomechanics team of the Lamih. He has shown that human static posture may be modeled as an optimal solution of the control of a redundant articulated system with the particularity that the criteria compromise is varying with time. He is involved in IRRH and IFRH, regional and national Institutes for research on disabilities.





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- Pierre-Brice Wieber, Florence Billet, Laurence Boissieux & Roger Pissard-Gibollet, The HuMANs toolbox, a homogenous framework for motion capture, analysis and simulation
- Fedor Moiseev, Victor Sholukha, Vadislav Aramov & Serge Van Sint Jan, SMART Software for advanced registration and visualization of human morphological, kinematics and motion data
- Jaap Harlaar & Caroline Doorenbosch, 3D kinematic analysis by BodyMech A Matlab based open source software package for research and education
- S. Martelli, N. Lopomo, E. Ferretti & A. Visani, An Intuitive Software for Diarthrodial Joint Analysis (abstract)
- Discussion

