



1st Special Session: Photogrammetry



Paul Allard – co-chairman

Obtained his PhD from the École polytechnique de Montréal, where he is now Associate Professor in the Mechanical Engineering Department. Paul Allard is also Professor at the Faculté de Médecine. His research, at the Laboratoire d'Etude du Mouvement, hôpital Sainte Justine (Montréal, QC, Canada), mainly focus on spine modeling, orthoses and prostheses design and biomechanics of balance, posture and gait for specific populations.



Chris Baten – co-chairman

Head of the research group 'Ambulatory Motion Analysis' at Roessingh Research and Development in Enschede, Netherlands and initiator and coordinator of the Amber, AmbuLab and FreeMotion scientific consortia and several related projects in which (inter)nationally leading research groups and innovative companies research and develop accurate methodologies and practical applications of ambulatory motion analysis, ergonomics and sports. Chris Baten is member at large of the ISB technical group for 3D analysis of human movement.“





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Videogrammetry for human movement analysis



Fabio Remondino - invited speaker

Scientific researcher at IGP - ETH Zurich, Switzerland, he graduated in environmental eng. at the TU Milan, Italy (1998) and obtained PhD in 'image-base modeling for object and human reconstruction' at the Institute of Geodesy and Photogrammetry. Chairman of ISPRS Commission V - Working Group 4 on 'Virtual Reality and Computer Animation'. Awarded with E.H.Thompson Award (2005) and ISPRS Best Young Author Award (2002). His fields of Interest are human body modeling, cultural heritage documentation, machine vision, close-range photogrammetry





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- Michael Skipper Andersen, Michael Damsgaard & John Rasmussen,
Marker-Based Motion Reconstruction of Constrained Rigid-Segment Systems
- Hans Gerber, Monika Zihlmann, Mauro Foresti & Edgar Stüssi,
Method to simultaneously measure 3D kinematic and kinetic data during normal level walking using KISTLER force plates, VICON System and video-fluoroscopy
- A. Leardini, F. Taddi, M.G. Benedetti, L. Astolfi, L. Montanari, M. Manfrini & M. Viceconti,
Techniques for fusion of gait analysis with medical imaging data: exploitation in patients operated on massive skeletal reconstruction
- Codamotion,
Sponsor presentation
- Discussion

