5th Special Session: markerless motion capture

Lasse Roren – co-chairman

Master degree from the University of Trondheim, Norway, in mathematics. He joined Vicon in 1997 as a Software Developer, and was the primary developer of the Vicon Polygon software. His main focus during his 9 years at Vicon has been biomechanics, and he participated in most of the gait and biomechanics conferences over the last 5 years. In the last two years he has been responsible for the Product Management of all Vicon's Life Science software.

Tom Whitaker – co-chairman

Motion Analysis Corporation (MAC) President.

Abdelmalik Taleb-Ahmed – co-chairman

He obtained a post graduate degree and his PhD in Electronics and Microwaves from the Université de Lille 1 (France) in 1988 and 1992. In 1992-2004 he was Associate Professor at the Université du Littoral, Calais (France). Since 2004, Professor at the Université of Valenciennes in the department GE2I, and does his research at the LAMIH in the BRT. His research interests are decision in static and dynamic scene analysis and their applications in medical imaging, transport, etc.

5th Special Session
markerless motion capture

Markerless Technology

Stefano Corrazza - invited speaker

He majored in Mechanical Engineering, University of Padova, Italy (1998), obtained a MSc in Design, University of Florence , Italy (1999) and a PhD in Mechanical Engineering, University of Parma, Italy (2002) and in Bioengineering, University of Parma, Italy (2005). Stefano Corrazza is currently a Postdoctoral Researcher at Stanford Biomotion Lab and Contract Professor of Bioengineering of Human Movement at University of Padova, Italy. His main current research is markerless motion capture for biomechanics.

Lars Mündermann - invited speaker

He majored in Physics at the Universität Konstanz, Germany, obtained a MSs in Physics from Portland State University, OR (1998) and his PhD in Computer Science / Computer Graphics from University of Calgary, Canada (2003). Lars Mündermann is currently a Postdoctoral Researcher in Biomechanical Engineering at Stanford University. His main current research area is development of a markerless motion capture system for biomechanical and medical applications.

5th Special Session
markerless motion capture

- Björn Holmberg, Bo Nordin, Ewert Bengtsson & Håkan Lanshammar,
  Possibilities in using skin texture based image registration for movement analysis

- Serge Samper, Hugues Favrelière, Pierre Vacher & Terence Coudert,
  3D measurement and synthesis of facial expressions Modal analysis of stereovision measurements

- R. Bartalesi, N. Carbonaro, F Lorussi, M. Tesconi, A Tognetti, G. Zupone & D. de Rossi,
  Smart Textiles Toward a Wearable Motion System

- Xsens,
  Sponsor presentation

- Discussion