

| | |
|---|-------------|
| Framework of Understanding Somatological Constructs Relative to the Fit of Apparel Frederick S. COTTLE ¹ , Pamela V. ULRICH ² , Karla P. TEEL ² ¹ Middle Tennessee State University, Murfreesboro (TN), USA; ² Auburn University, Auburn (AL), USA | 347 |
| A 3D Dynamic Database for Unconstrained Face Recognition Taleb ALASHKAR ¹ , Boulbaba Ben AMOR ¹ , Mohamed DAOUDI ¹ , Stefano BERRETTI ² ¹ Télécom Lille/LIFL (UMR CNRS/Lille1 8022), Villeneuve d'Ascq, France ; ² University of Florence, Florence, Italy | 357 |
| Technical Session 13: Scanning with Depth Cameras | <i>pag.</i> |
| A Low Cost and Easy to Use Setup for Foot Scanning C. Lovato, E. Bissolo, N. Lanza, A. Stella, A. Giachetti <i>Dep. of Computer Science, University of Verona, Verona, Italy</i> | 365 |
| A Validation Study of a Kinect Based Body Imaging (KBI) Device System Based on ISO 20685:2010 Sara BRAGANÇA ¹ , Miguel CARVALHO ¹ , Bugao XU ² , Pedro AREZES ¹ , Susan ASHDOWN ³ ¹ University of Minho, Portugal; ² University of Texas at Austin, USA; ³ Cornell University, USA | 372 |
| 3D Reconstruction of Body Parts Using RGB-D Sensors: Challenges from a Biomedical Perspective Pedro COSTA ^{1,2} , Hooshiar ZOLFAGHARNASAB ^{1,2} , João P. MONTEIRO ² , Jaime S. CARDOSO ^{1,2} , Hélder P. OLIVEIRA ² ¹ Faculdade de Engenharia, Universidade do Porto, Porto, Portugal; ² INESC TEC, Porto, Portugal | 378 |
| Use of Kinect Tool to Measure the Physical Capabilities of Patients for Wolf Motor Function Test in Centre Hospitalier Universitaire de Grenoble (CHU) Amirmahdi TAHERI ¹ , Julien VEYTIZOU ¹ , Guillaume THOMANN ¹ , Antoine THURIOT ² ¹ Laboratoire des sciences pour la conception, l'optimisation et la production (G-SCOP) CNRS: UMR5272, Inst. National Polytechnique de Grenoble (INPG), Univ. Joseph Fourier, Grenoble I, France ² Ecole de kinésithérapie du Centre Hospitalier Universitaire de Grenoble (CHU), France | 390 |
| Technical Session 14: Body Scanning for Apparel III | <i>pag.</i> |
| 3D Digital Technologies for Virtual Fitting of Garments in Tailor-Made Application Eric R. HARVEY ¹ , Jocelyn BELLEMARE ² , Denis BOULANGER ¹ , Isabelle LESSARD ³ , Philippe PROULX ⁴ ¹ CIMMI, Quebec City (QC), Canada; ² UQAM, Montreal (QC), Canada; ³ Vestechpro, Montreal (QC), Canada; ⁴ Cégep de Sainte-Foy, Quebec City (QC), Canada | 399 |
| Virtual Fitting by Single-Shot Body Shape Estimation Masahiro SEKINE ¹ , Kaoru SUGITA ¹ , Frank PERBET ² , Björn STENGER ² , Masashi NISHIYAMA ¹ ¹ Corporate Research & Development Center, Toshiba Corporation, Japan; ² Toshiba Research Europe Ltd., Cambridge Research Laboratory, UK | 406 |
| Anthropometric Study by Diagonising and Antagonizing the Feel Factor of 'Ideal Fabric' with 'Reference Fabric' for Frugal Engineering of Foundation Garments K.V.P. Singh ¹ , A. Chatterjee ¹ , A. Das ² , Raul Fangueiro ³ ¹ Department of Textile Technology NIT Jalandhar, Punjab, India; ² Department of Textile Technology IIT Delhi, India; ³ Department of Textile Engineering University of MINHO, Portugal | 414 |
| Author index | 422 |