

References

- [1] A. Ahmed, A. Hilton, and F. Mokhtarian. Cyclification of Animation for Human Motion Synthesis. In *Eurographics Short Paper*, 2003.
- [2] A. Ahmed, A. Hilton, and F. Mokhtarian. Enriching Animation Databases. In *Eurographics Short Paper*, 2004.
- [3] A. Ahmed, A. Hilton, and F. Mokhtarian. Intuitive Parametric Synthesis of Human Animation Sequences. In *IEEE Computer Animation and Social Agents*, 2004.
- [4] A. Ahmed, A. Hilton, and F. Mokhtarian. Adaptive compression of human animation data. In *Eurographics - Short Paper*, September 2002.
- [5] A. Ahmed, F. Mokhtarian, and A. Hilton. Parametric motion blending through wavelet analysis. In *Eurographics 2001 - Short Paper*, pages 347—353, September 2001.
- [6] Beresford,D. and Hilton,A.and Gentils,T. and Smith,R. and Sun,W. Building 3D Human Models from Captured Images. In *Eurographics UK Chapter 17th Annual Conference*.
- [7] C. Budd and A. Hilton. Skeleton Driven Volumetric Deformation. In *ACM Symposium on Computer Animation*, 2009.
- [8] C. Budd and A. Hilton. Skeleton Driven Volumetric Laplacian Deformation. In *European Conference on Visual Media Production*, 2009.
- [9] G. Collins and A. Hilton. Modelling for character animation. *Software Focus*, Wiley, 2(2):44–51, 2001.
- [10] G. Collins and A. Hilton. Spatio-Temporal Fusion of Multiple View Video Rate 3D Surfaces. In *Fifth International Conference on 3-D Digital Imaging and Modeling (3DIM'05)*, pages 142–149, 2005.
- [11] G. Collins and A. Hilton. A Rigid Transform Basis for Animation Compression and Level of Detail. In *IMA Conference on Vision, Video and Graphics*, pages 21—28, 2005.
- [12] G. Collins and A. Hilton. Mesh decimation for displacement mapping. In *Eurographics - Short Paper*, September 2002.
- [13] D. Cosker, E. Krumhuber, and A. Hilton. Perception of Linear and Nonlinear Motion Properties using a FACS Validated 3D Facial Model. In *In Proc. of ACM Symposium on Applied Perception in Graphics and Visualisation (APGV)*, 2010.
- [14] P. Csakany and A. Hilton. Relighting of Facial Images. In *IEEE Int.Conf. on Face and Gesture Recognition*, 2006.
- [15] P. Csakany and A. Hilton. Relighting of Facial Images. *Journal of Multimedia((ISSN1796-2048)*, 1(3):23—30, 2006.
- [16] P. Csakany and A. Hilton. Relighting of Facial Video. In *International Conf. on Pattern Recognition*, 2006.
- [17] P. Csakany, F. Vajda, and A. Hilton. Model Refinement by Iterative Normal-From-Shading. In *IET European Conference on Visual Media Production*, page 181, 2006.
- [18] P. Csakany, F. Vajda, and A. Hilton. Recovering Refined Surface Normals for Relighting Clothing in Dynamic Scenes. In *IET European Conference on Visual Media Production*, pages 1—8, 2007.
- [19] A. Doshi, A. Hilton, and J. Starck. An Empirical Study of Non-rigid Surface Feature Matching. In *European Conference on Visual Media Production*, 2008.

- [20] J. Edge and A. Hilton. Visual Speech Synthesis from 3D Video. In *IET European Conference on Visual Media Production*, page 174, 2006.
- [21] J. Edge and A. Hilton. Parameterising Visual Speech Movements. In *ACM SIGGRAPH/Eurographics Symposium on Computer Animation*, 2008.
- [22] J. Edge, A. Hilton, and P. Jackson. Model-based Synthesis of Visual Speech Movements from 3D Video. *EURASIP Journal of Audio, Speech and Music Processing*, DOI 10.1155/2009/597267, 2009.
- [23] J. Edge, A. Hilton, and Jackson.P. Parameterisation of Speech Lip Movements. In *International Conference on Auditory-visual Speech Processing*, 2008.
- [24] J.D. Edge and A. Hilton. Facial Animation with Motion Capture based on Surface Blending. In *International Conference on Computer Graphics Theory and Applications*, 2007.
- [25] O. Grau, A. Hilton, J. Kilner, G. Miller, T. Sargeant, and J. Starck. A Free-Viewpoint Video System for Visualisation of Sports Scenes. *International Broadcast Convention*, September, 2006.
- [26] O. Grau, A. Hilton, J. Kilner, G. Miller, T. Sargeant, and J. Starck. A Free-Viewpoint Video System for Visualisation of Sports Scenes. *SMPTE Motion Imaging Journal*, 116(5-6):213–219, 2007.
- [27] O. Grau, G.A. Thomas, A. Hilton, J. Kilner, and J. Starck. A Robust Free-viewpoint Video System for Sport Scenes. In *3DTV Conference*, 2007.
- [28] J.-Y. Guillemaut, J. Kilner, and A Hilton. Robust Graph-Cut Scene Segmentation and Reconstruction for Free-Viewpoint Video of Complex Dynamic Scenes. In *IEEE Int.Conf. on Computer Vision, ICCV* , 2009.
- [29] J-Y. Guillemaut, J. Kilner, J. Starck, and A. Hilton. Dynamic Feathering: Minimising Blending Artefacts in View Dependent Rendering. In *IET European Conference on Visual Media Production*, pages 1–8, 2007.
- [30] J.Y. Guillemaut, A. Hilton, J. Starck, J.J. Kilner, and O. Grau. A Bayesian Framework for Simultaneous Reconstruction and Matting . In *IEEE Int.Conf. on 3D Imaging and Modeling* , 2007.
- [31] M. Hamouz, J.R. Tena, J. Kittler, A. Hilton, and J. Illingworth. 3D Assisted Face Recognition: A Survey. In *Book Chapter*.
- [32] M. Hamouz, J.R. Tena, J. Kittler, A. Hilton, and J. Illingworth. Algorithms for 3D-Assisted Face Recognition. In *IEEE 14th Signal Processing and Communications Applications Conference (SIU06)*, 2006.
- [33] A. Hilton. *Algorithms for Estimating Turbulent Flow Parameters from In-Cylinder Laser Doppler Anemometer Data*. Doctor of Philosophy (D.Phil.) Thesis, University of Sussex,UK, 1992.
- [34] A. Hilton. Computer vision for human modelling and analysis. *Journal of Machine Vision Applications*, 14(4):206–209, 2003.
- [35] A. Hilton. Towards model-based capture of a persons shape, appearance and motion. In *IEEE International Workshop on Modelling People*, pages 37–44, September 1999.
- [36] A. Hilton, D. Beresford, T. Gentils, R. Smith, and W. Sun. Virtual people: Capturing human models to populate virtual worlds. In *IEEE International Conference on Computer Animation*, pages 174–185, May 1999.

- [37] A. Hilton, D. Beresford, T. Gentils, R. Smith, W. Sun, and J. Illingworth. Whole-body modelling of people from multi-view images to populate virtual worlds. *Visual Computer: International Journal of Computer Graphics*, 16(7):411—436, 2000.
- [38] A. Hilton and P. Fua. Modelling people: Toward vision-based understanding of a person's shape, appearance and movement. *Computer Vision and Image Understanding*, 81:227—230, 2001.
- [39] A. Hilton, P. Fua, and R. Ronfard. Vision-based Understanding of a Persons Shape, Appearance, Movement and Behaviour. *Computer Vision and Image Understanding - Special Issue on Modelling People*, 104(2-3):87—90, 2006.
- [40] A. Hilton, T. Gentils, and D. Beresford. Popup-people: Capturing 3d articulated models of individual people. In *IEE Colloquim on Computer Vision for Virtual Human Modelling*, pages 1—6. IEE, 1998.
- [41] A. Hilton and J. Goncalves. 3D scene representation using a deformable surface. In *IEEE Workshop on Physics Based Modelling*, pages 24—30. IEEE, 1995.
- [42] A. Hilton, J.-Y. Guillemaut, J. Kilner, O. Grau, and G. Thomas. *Free-viewpoint Video for Sports TV Production*. .
- [43] A. Hilton, J.-Y. Guillemaut, J. Kilner, O. Grau, and G. Thomas. Free-Viewpoint Video for TV Sports Production. In *Image and Geometry Processing for 3D Cinematography*, Eds.R.Ronfard and G.Taubin, Springer, pages 72—101, 2010.
- [44] A. Hilton and J. Illingworth. Multi-resolution geometric fusion. In *International Conference on Recent Advances in 3D Digital Imaging and Modeling*, pages 181—188. IEEE, 1997.
- [45] A. Hilton and J. Illingworth. Geometric fusion for a hand-held 3d sensor. *Machine Vision Applications*, 12(1):44—51, 2000.
- [46] A. Hilton, J. Illingworth, Y. Li, and J. Mitchelson. Real-time human motion estimation for studio production. In *BMVA Workshop on Understanding Human Behaviour*, Vancouver, July 2001.
- [47] A. Hilton, J. Illingworth, and T. Windeatt. Surface curvature estimation. In *12th IAPR International Conference on Pattern Recognition*, pages 37—41. IEEE, 1994.
- [48] A. Hilton, J. Illingworth, and T. Windeatt. Statistics of surface curvature estimates. *Pattern Recognition*, 28(8):1201—1221, 1995.
- [49] A. Hilton, K. Kalkavouras, and G. Collins. 3D Studio Production of Animated Actor Models. *IEE Proceedings of Vision, Image and Signal Processing*, 152(4):481—490, 2005.
- [50] A. Hilton, M. Kalkavouras, and G. Collins. MELIES: 3D Studio Production of Animated Actor Models. In *IEE European Conference on Visual Media Production*, pages 283—288, 2004.
- [51] A. Hilton, J.B. Roberts, and O. Hadded. Autocorrelation based analysis of ensemble averaged lda engine data for bias-free turbulence estimates: A unified approach. *Journal of the Society of Automotive Engineering SAE*, 91(0479):1—21, 1991.
- [52] A. Hilton, J.B. Roberts, and O. Hadded. Autocorrelation based analysis of lda engine data for bias-free turbulence estimates. In *Society of Automotive Engineers International Congress*, pages 22—30, 1991.

- [53] A. Hilton, J.B. Roberts, and O. Hadded. Comparative evaluation of techniques for estimating turbulent flow parameters from in-cylinder ICA engine data. In *Fifth International Symposium on Applications of Laser Anemometry to Fluid Mechanics, Lisbon, Portugal*, pages 130–138, 1992.
- [54] A. Hilton and J. Starck. Multiple View Reconstruction of People. In *IEEE Conference on 3D Data Processing, Visualisation and Transmission*, 2004.
- [55] A. Hilton and J. Starck. Animation of People from Surface Motion Capture. In *IEEE Workshop on 3D Cinematography*, 2006.
- [56] A. Hilton, J. Starck, and G. Collins. From 3d shape capture to animated models. In *IEEE Conference on 3D Data Processing, Visualisation and Transmission*, June 2002.
- [57] A. Hilton, J. Starck, G. Collins, and M. Kalkavouras. 3d shape capture for archiving and animation. In *AIVA 2002 Workshop*, October 2002.
- [58] A. Hilton, A.J. Stoddart, J. Illingworth, and T. Windeatt. Automatic inspection of loaded pcb's using 3D range data. In *SPIE Machine Vision Application in Industrial Inspection II, International Symposium on Electronic Imaging: Science and Technology, San Jose, CA Volume 2183*, pages 226–237. SPIE, 1994.
- [59] A. Hilton, A.J. Stoddart, J. Illingworth, and T. Windeatt. Building 3D graphical models of complex objects. In *Eurographics UK Conference*, pages 193–203. EGUK, 1996.
- [60] A. Hilton, A.J. Stoddart, J. Illingworth, and T. Windeatt. Implicit surface based geometric fusion. In *Leeds 16th Annual Statistics Workshop*, pages 1–8. Leeds, 1996.
- [61] A. Hilton, A.J. Stoddart, J. Illingworth, and T. Windeatt. Marching triangles: Range image fusion for complex object modelling. In *International Conf. on Image Processing*, pages 381–384. Lausanne, 1996.
- [62] A. Hilton, A.J. Stoddart, J. Illingworth, and T. Windeatt. Reconstruction of 3D delaunay surface models of complex objects. In *IEEE International Conference on Systems, Man and Cybernetics*, pages 2445–2450. IEEE, 1996.
- [63] A. Hilton, A.J. Stoddart, J. Illingworth, and T. Windeatt. Reliable surface reconstruction from multiple range images. In *4th European Conference on Computer Vision*, pages 117–126. Springer, 1996.
- [64] A. Hilton, A.J. Stoddart, J. Illingworth, and T. Windeatt. Implicit surface based geometric fusion. *International Journal of Computer Vision and Image Understanding, Special Issue on CAD Based Vision*, 69(3):273–291, March 1998.
- [65] P. Huang and A. Hilton. Football Player Tracking for Video Annotation. In *IET European Conference on Visual Media Production*, page 175, 2006.
- [66] P. Huang and A. Hilton. Surface Motion Graphs for Animation from 3D Video. In *ACM SIGGRAPH (Talk)*, 2009.
- [67] P. Huang, A. Hilton, and J. Starck. Automatic 3D Video Summarization: Key Frame Extraction from Self-Similarity. In *IEEE Conference on 3D Processing and Visualisation*, pages 1–8, 2008.
- [68] P. Huang, A. Hilton, and J. Starck. Human Motion Synthesis from 3D Video. In *IEEE Int. Conf. on Computer Vision and Pattern Recognition, CVPR*, 2009.
- [69] P. Huang, A. Hilton, and J. Starck. Shape Similarity for 3D Video Sequences of People. *International Journal of Computer Vision*, DOI 10.1007/s11263-010-0319-9, 2010.

- [70] P. Huang, A. Hilton, and J. Starck. Shape Similarity for 3D Video Sequences of People. *International Journal of Computer Vision*, DOI 10.1007/s11263-010-0319-9, 89(2-3):362—381, 2010.
- [71] P. Huang and A. Starck, J.and Hilton. Temporal 3D Shape Matching . In *IET European Conference on Visual Media Production*, pages 1—8, 2007.
- [72] P. Huang, J. Starck, and A. Hilton. A Study of Shape Similarity for Temporal Surface Sequences of People. In *IEEE Int.Conf. on 3D Imaging and Modeling* , 2007.
- [73] J. Illingworth and A. Hilton. Looking to build a model world: Automatic construction of static object models using computer vision. *IEE Journal Electronics and Communications Engineering*, 10(3):103—113, 1998.
- [74] J. Kilner, J. Starck, J.Y. Guillemaut, and A. Hilton. Objective Quality Assessment in Free-viewpoint Video Production. *Signal Processing: Image Communication*, 24(1-2):3—16, 2009.
- [75] J.J. Kilner, J.-Y. Guillemaut, and A. Hilton. 3D Action Matching with Key-Pose Detection. In *ICCV Workshop on Search in 3D and Video*, 2009.
- [76] J.J. Kilner, J.-Y. Guillemaut, and A. Hilton. Summarised Hierarchical Markov Models for Speed Invariant Action Matching. In *ICCV Workshop on Tracking Humans for the Evaluation of their Motion in Image Sequences*, 2009.
- [77] J.J. Kilner, J. Starck, A. Hilton, J.Y. Guillemaut, and O. Grau. Dual Mode Deformable Models for Free-Viewpoint Video of Outdoor Sports Events. In *IEEE Int.Conf. on 3D Imaging and Modeling* , 2007.
- [78] J.J. Kilner, J.R. Starck, and A. Hilton. A Comparative Study of Free Viewpoint Video Techniques for Sports Events. In *IET European Conference on Visual Media Production*, pages 87—96, 2006.
- [79] H. Kim and A. Hilton. Region-based Foreground Extraction. In *European Conference on Visual Media Production*, 2008.
- [80] H. Kim and A. Hilton. Environment Modelling using Spherical Stereo Imaging. In *IEEE Symposium on 3D Imaging (3DIM)*, 2009.
- [81] H. Kim and A. Hilton. Graph-based Foreground Extraction in Extended Colour Space. In *Int.Conf.Image Processing (ICIP)*, 2009.
- [82] J. Kittler, M. Hamouz, J.R. Tena, A. Hilton, J. Illingworth, and M. Ruiz. 3D Assisted 2D Face Recognition: Methodology. In *Lecture Notes in Computer Science 3773 (Proc. of CIARP05)*, pages 1055—1065, 2005.
- [83] J. Kittler, A. Hilton, M. Hamouz, and J. Illingworth. 3D Assisted Face Recognition: A Survey of 3D imaging modelling and recognition approaches. In *IEEE Workshop on Advanced 3D imaging for safety and security*, 2005.
- [84] J. Kittler, A. Hilton, M. Hamouz, and J. Illingworth. 3D Assisted Face Recognition: A Survey of 3D Imaging, Modelling and Recognition Approaches. In *Conference on Computer Vision and Pattern Recognition*, pages 114—122, 2006.
- [85] Y. Li, A. Hilton, and J. Illingworth. A relaxation algorithm for real-time multiview 3d-tracking. *Image and Vision Computing*, 20(12):841—59, 2002. pdf<http://www.ee.surrey.ac.uk/CVSSP/VMRG/Publications/li02ivc.pdf>.
- [86] Y. Li, A. Hilton, and J. Illingworth. Towards reliable real-time multiview tracking. In *IEEE International Workshop on Multiple Object Tracking*, Vancouver, July 2001.

- [87] A. Manassis and A. Hilton. Scene modelling from sparse 3d data. *Journal of Image and Vision Computing*, 23(10):900—920, 2005.
- [88] A. Manassis, A. Hilton, P. McLauchlan, and P. Palmer. Reconstruction of scene models from sparse 3d structure. In *IEEE International Conference on Computer Vision and Pattern Recognition*, pages 666–671, 2000. pdf<http://www.ee.surrey.ac.uk/CVSSP/VMRG/Publications/manassis00cvpr.pdf>.
- [89] A. Manassis, A. Hilton, P. McLauchlan, and P. Palmer. A statistical geometric framework for reconstruction of scene models. In *British Machine Vision Conference*, pages 222—231, September 2000. pdf<http://www.ee.surrey.ac.uk/CVSSP/VMRG/Publications/manassis00bmvc.pdf>.
- [90] P. McLauchlan, X. Shen, P. Palmer, A. Manassis, and A. Hilton. Surface-based structure-from-motion using feature groupings. In *IEEE International Asian Conference on Computer Vision*, pages 1—10, 2000. pdf<http://www.ee.surrey.ac.uk/CVSSP/VMRG/Publications/mclauchlan00accv.pdf>.
- [91] G. Miller and A. Hilton. Exact View-dependent Visual-hull. In *International Conf. on Pattern Recognition*, 2006.
- [92] G. Miller and A. Hilton. Safe Hulls. In *IET European Conference on Visual Media Production*, pages 1—8, 2007.
- [93] G. Miller, A. Hilton, and J. Starck. Interactive Free-viewpoint Video. In *IEE European Conf. on Visual Media Production*, pages 50—59, 2005.
- [94] G. Miller, J.R. Starck, and A. Hilton. Projective Surface Refinement for Free-Viewpoint Video. In *IET European Conference on Visual Media Production*, pages 153–162, 2006.
- [95] J. Mitchelson and A. Hilton. Hierarchical tracking of human motion for animation. In *Model-based Imaging, Rendering, image Analysis and Graphical Special Effects, Paris*, 2003.
- [96] J. Mitchelson and A. Hilton. Hierarchical tracking of multiple people. In *British Machine Vision Conference*, 2003.
- [97] J. Mitchelson and A. Hilton. Wand-based calibration of multiple cameras. In *British Machine Vision Association workshop on Multiple Views*, May 2002.
- [98] T. Moeslund, A. Hilton, and V. Kruger. A Survey of Advances in Vision-Based Human Motion Capture and Analysis. *Computer Vision and Image Understanding*, 104(2-3):90—127, 2006.
- [99] L. Molina and A. Hilton. Sythesis of novel movements from a database of motion capture data. In *IEEE International Conference on Human Motion Analysis*, pages 137—142, December 2000. pdf<http://www.ee.surrey.ac.uk/CVSSP/VMRG/Publications/molina00humo.pdf>.
- [100] L. Molina and A. Hilton. Learning models for sythesis of human motion. In *BMVA Workshop on Probabalistic Methods in Computer Vision*, May 2001.
- [101] N. Nadtoka, A. Hilton, J. Tena, J. Edge, and P. Jackson. Representing Dynamics of Facial Expression. In *IET European Conference on Visual Media Production*, page 183, 2006.
- [102] N. Nadtoka, J.R. Tena, A. Hilton, and J. Edge. High-resolution Animation of Facial Dynamics. In *IET European Conference on Visual Media Production*, pages 1—8, 2007.
- [103] G. Nikolaos, H Kim, A. Hilton, N. Nikolaidis, and I. Pitas. The i3Dpost multi-view and 3D human action/interaction database. In *European Conference on Visual Media Production (CVMP)*, 2009.

- [104] E.-J. Ong and A. Hilton. Learnt Inverse Kinematics for Animation Synthesis. In *IMA Conference on Vision, Video and Graphics*, pages 11—20, 2005.
- [105] E.-J. Ong and A. Hilton. Learnt Inverse Kinematics for Animation Synthesis. *Graphical Models*, 68(5-6):472–483, 2006.
- [106] E.-J. Ong, A. Hilton, and A.S. Micilotta. Viewpoint Invariant Exemplar-Based 3D Human Tracking. In *First IEEE Workshop on Modeling People and Human Interaction (PHI'05)*.
- [107] E.-J. Ong, A. Micilotta, R. Bowden, and A. Hilton. Viewpoint Invariant Exemplar-Based 3D Human Tracking. *Computer Vision and Image Understanding*, 104(2-3):178—189, 2006.
- [108] M. Price, J. Chandaria, O. Grau, G.A. Thomas, D. Chatting, J. Thorne, G. Milnthorpe, P. Woodward, L. Bull, E.-J. Ong, A. Hilton, J. Mitchelson, and J. Starck. Real-time production and delivery of 3d media. In *International Broadcasting Convention, Conference Proceedings*, September 2002.
- [109] J.B. Roberts and A. Hilton. A direct transform method for the analysis of lda engine data. *I.Mech.E. Journal of Automotive Engineering*, 251(D):725—738, 2001.
- [110] A. Saminathan, A.J. Stoddart, A. Hilton, and J. Illingworth. Progress in arbitrary topology deformable surfaces. In *British Machine Vision Conference*, pages 1—6. BMVA, 1997.
- [111] M. Sarim, J.Y. Guillemaut, H. Kim, and A. Hilton. Non-parametric Natural Image Matting. In *IEEE Symposium on 3D Imaging (3DIM)*, 2009.
- [112] M. Sarim, J.Y. Guillemaut, H. Kim, and A. Hilton. Wide-baseline Image Matting. In *European Conference on Visual Media Production(CVMP)*, 2009.
- [113] M. Sarim, A. Hilton, and J.Y. Guillemaut. Non-parametric Patch Based Video Matting. In *British Machine Vision Conference (BMVC)*, 2009.
- [114] X. Shen, P. Palmer, P. McLauchlan, and A. Hilton. Error propagation from camera motion to epipolar constraint. In *British Machine Vision Conference*, pages 546—555, September 2000.
- [115] R. Smith, A. Hilton, and W. Sun. Seamless vrml humans. In *Fifth Industrial Congress on 3D Digitizing*, pages 1—8, May 2000.
- [116] R. Smith, W. Sun, A. Hilton, and J. Illingworth. Layered animation using displacement maps. In *IEEE International Conference on Computer Animation*, pages 146—154, May 2000. pdfhttp://www.ee.surrey.ac.uk/CVSSP/VMRG/Publications/smith00ca.pdf.
- [117] J. Starck. *Human Modelling from Multiple Views*. PhD Thesis, University of Surrey, 2003.
- [118] J. Starck, G. Collins, R. Smith, A. Hilton, and J. Illingworth. Animated statues. *Journal of Machine Vision Applications*, 14(4):248—259, 2003.
- [119] J. Starck and A. Hilton. Model-based multiple view reconstruction of people. In *IEEE International Conference on Computer Vision*, pages 915–922, 2003.
- [120] J. Starck and A. Hilton. Towards a 3d virtual studio for human appearance capture. In *IMA International Conference on Vision, Video and Graphics, Bath*, pages 17—24, 2003.
- [121] J. Starck and A. Hilton. View-dependant rendering with multiple view stereo optimisation. In *Conference on Computer Vision and Pattern Recognition*, 2003.
- [122] J. Starck and A. Hilton. Spherical Matching for Temporal Correspondence of Non-Rigid Surfaces. In *IEEE Int.Conf.Computer Vision*, pages 1387–1394, 2005.

- [123] J. Starck and A. Hilton. Virtual view synthesis of people from multiple view video. *Graphical Models*, 67(6):600—620, 2005.
- [124] J. Starck and A. Hilton. Virtual view synthesis of people from multiple view video. *Graphical Models*, 67(6):600—620, 2005.
- [125] J. Starck and A. Hilton. Correspondence labelling for wide-timeframe free-form surface matching. In *IEEE Int.Conf.on Computer Vision*, 2007.
- [126] J. Starck and A. Hilton. Model-based human shape reconstruction from multiple views. *Computer Vision and Image Understanding*, 111(2):179—194, 2007.
- [127] J. Starck and A. Hilton. Surface Capture for Performance-Based Animation. *IEEE Computer Graphics and Applications*, 27(3):21—31, 2007.
- [128] J. Starck and A. Hilton. Reconstruction of animated models from images using constrained deformable surfaces. In *10th Conf. on Discrete Geometry for Computer Imagery. Vol.2301, Lecture Notes in Computer Science, Springer-Verlag*, pages 382–391, Bordeaux, France, April 2002.
- [129] J. Starck and A. Hilton. Free-viewpoint Video for Interactive Character Animation. In *COE Conference, Japan*, November, 2006.
- [130] J. Starck, A. Hilton, and J. Illingworth. Human shape estimation in a multi-camera studio. In *BMVC*, September 2001.
- [131] J. Starck, J. Kilner, and A. Hilton. Objective Quality Assessment in Free-viewpoint Video Production. In *IEEE Conference on 3DTV*, pages 1—8, 2008.
- [132] J. Starck, J. Kilner, and A. Hilton. Free-viewpoint Video Render. *Journal of Graphics Tools*, 2009.
- [133] J. Starck, G. Miller, and A. Hilton. Video-Based Character Animation. In *ACM SIGGRAPH/Eurographics Symposium on Computer Animation*, pages 49—58, 2005.
- [134] J. Starck, G. Miller, and A. Hilton. Volumetric stereo with silhouette and feature constraints. In *British Machine Vision Conference*, 2006.
- [135] J. Starck, S. Nobuhara, A. Maki, A. Hilton, and T. Matsuyama. The Multiple Camera 3D Production Studio. *IEEE Trans. Circuits and Systems for Video Technology*, 19(6):856—869, 2009.
- [136] A. Stoddart, S. Lemke, A. Hilton, and T. Renn. Estimating pose uncertainty for surface registration. *Image and Vision Computing*, 16(2):111–120, 1998.
- [137] A.J. Stoddart and A. Hilton. Registration of multiple point sets. In *International Conf. on Pattern Recognition*, pages 1—4. Vienna, 1996.
- [138] A.J. Stoddart, A. Hilton, and J. Illingworth. Slime: A new deformable surface. In *British Machine Vision Conference*, pages 285—293. BMVA Press, 1994.
- [139] A.J. Stoddart, S. Lemke, A. Hilton, and T. Renn. Uncertainty estimation for surface registration. In *British Machine Vision Conference*, pages 1—6. BMVA Press, 1996.
- [140] P. Stroia-Williams and A. Hilton. Example-based Reflectance Estimation for Capturing Relightable Models of People. In *European Conference on Visual Media Production*, 2008.
- [141] W. Sun, A. Hilton, and R. Smith. Building animated models from 3d scanned data. In *Fifth Industrial Congress on 3D Digitizing*, pages 1—8, May 2000.

- [142] W. Sun, A. Hilton, R. Smith, and J. Illingworth. Building layered animation models from captured data. In *Eurographics Workshop on Computer Animation*, pages 145—154, September 1999.
- [143] W. Sun, A. Hilton, R. Smith, and J. Illingworth. Layered animation of captured data. *Visual Computer: International Journal of Computer Graphics*, 17(8):457—474, 2001. pdf<http://www.ee.surrey.ac.uk/CVSSP/VMRG/Publications/sun01vc.pdf>.
- [144] J.R. Tena, M. Hamouz, A. Hilton, and J. Illingworth. A Validation Method for Dense Non-rigid 3D Face Registration. In *IEEE Conf. on Advanced Video and Signal-based Surveillance*, 2006.
- [145] A. Turkmani and A. Hilton. Appearance-Based Inner-Lip Detection. In *IET European Conference on Visual Media Production*, page 176, 2006.
- [146] A. Turkmani, A. Hilton, P.J.B. Jackson, and J. Edge. Visual analysis of lip coarticulation in VCV utterances. In *InterSpeech*, 2007.
- [147] T. Wang, P. McLauchlan, P. Palmer, and A. Hilton. Calibration for an integrated measurement system of camera and laser and its application. In *5th World Multiconference on Systemics, Cybernetics and Informatics (Awarded Best Paper)*, Orlando, Florida, USA, July 2001.
- [148] P. Williams and A. Hilton. 3D Reconstruction Using Spherical Images. In *IET European Conference on Visual Media Production*, page 179, 2006.
- [149] I.A. Ypsilos, A. Hilton, and S. Rowe. Video-rate Capture of Dynamic Face Shape and Appearance. In *IEEE Face and Gesture Recognition*, 2004.
- [150] I.A. Ypsilos, A. Hilton, A. Turkmani, and P. Jackson. Speech Driven Face Synthesis from 3D Video. In *IEEE Symposium on 3D Data Processing, Visualisation and Transmission*, 2004.