Contact	f.pece@cs.ucl.ac.uk http://www.cs.ucl.ac.uk/staff/F.Pece/ Mobile: Telephone +44 (0)20 3549 5246	Media Technology Campus One Euston Square 40, Melton Street, NW1 2FD London, UK	
Education	University College London (UCL), United Kingdom February 2010 - present		
	<b>PhD candidate</b> (exp. March 2014) - Virtual Environments and Computer Graphics group		
	<ul> <li>Thesis Title: Videos in Context for Telecommunication and Spatial Browsing</li> <li>Currently writing up.</li> <li>Fields of research: Videos in context, panoramic imagery, human-computer interaction, heterogeneous cameras network for telecommunication, 3D reconstruction from images and videos.</li> <li>Advisors: Prof. Jan Kautz and Dr. Tim Weyrich</li> </ul>		
	University College London (UCL), United Kingdom September 2008 - September 2009		
	M.Sc. Vision Imaging and Virtual Environments (Awarded Distinction)		
	<ul> <li>Modules: Image Processing, Computer Graphics, Optimization, Virtual Environments.</li> <li>Thesis: HDR for Dynamic Scenes <ul> <li>Supervisor: Prof. Jan Kautz</li> <li>Awarded Best Master Project prizes by BBC &amp; Microsoft Research.</li> </ul> </li> </ul>		
	University of Bergen (UIB), Norway January 2007 - July 2007		
	Erasmus study programme in Computer Science		
	Università degli Studi di Roma Tor Vergata, Italy September 2005 - September 2008		
	B.Sc. Informatics Engineering (Graduate	ed with $102/110$ )	
	<ul> <li>Thesis: Efficient Representations for Image Classification Based on Support Vector Machines and SIFT Descriptors</li> <li>Supervisor: Prof. Robert Basili</li> </ul>		
Research Interests	Stereo vision and 3D reconstruction from videos a network and calibration, videos in panoramic cor human-computer interaction, computational pho imagery, virtual environments.	ntext, panoramic imagery,	
Awards	Received Best Paper Honourable Mention Award at CHI 2013 for PanoInserts Rabin Ezra Scholarship 2010/2011 & 2011/2012 BBC Research Best Master Project Prize 2008/2009 Microsoft Research Best Master Project Prize 2008/2009		
Invited Talks	BBC Research and Development - London, United Kingdom, June 2010 The <i>First Beaming Workshop</i> - Barcelona, Spain, June 2011 Max-Planck-Institut für Informatik - Saarbrücken, Germany, October 2013 Dagstuhl Seminar on <i>Real-World Visual Computing</i> - Dagstuhl, Germany, October 2013		

Refereed Journal Publications	<ul> <li>Beaming: An Asymmetric Telepresence System</li> <li>A. Steed, W. Steptoe, W. Oyekoya, F. Pece, T. Weyrich, J. Kautz,</li> <li>D. Friedman, A. Peer, M. Solazzi, F. Tecchia, M. Bergamasco, M. Slater</li> <li>IEEE Computer Graphics and Applications - 32:6, 10-17, 2012</li> </ul>		
	Acting in Collaborative Multimodal Mixed Reality Environments W. Steptoe, J. Normand, O. Oyekoya, F. Pece, E. Giannopoulos, F. Tecchia, A. Steed and M. Slater Presence - Teleoperators and Virtual Environments, MIT Press (2012) 21(4), Fall 2012, pages 406-422		
Refereed Conference Publications	Video Collections in Panoramic Contexts J. Tompkin, F. Pece, R. Shah, S. Izadi, J. Kautz and C. Theobalt Symposium on User Interface Software and Technology (UIST 2013), St Andrews, UK, October 8-11, 2013		
	<ul> <li>PanoInserts: Practical Spatial Teleconferencing</li> <li>F. Pece, W. Steptoe, S. Julier, T. Weyrich, J. Kautz, A. Steed</li> <li>ACM CHI Human Factors in Computing Systems (CHI 2013), Paris,</li> <li>France, April 22-May 2, 2013</li> <li>CHI 2013 Best Paper Honorable Mention Award</li> </ul>		
	<b>Simplified User Interface for Architectural Reconstruction</b> <i>F. Wanner, F. Pece and J. Kautz</i> Theory and Practice of Computer Graphics 2012, Didcot, UK, 2012		
	<b>Towards Moment Imagery: Automatic Cinemagraphs</b> J. Tompkin, F. Pece, K. Subr and J. Kautz Conference on Visual Media Production (CVMP) 2011, London, UK		
	Adapting Standard Video Codecs for Depth Streaming F. Pece, J. Kautz and T. Weyrich Joint Virtual Reality Conference of EuroVR (JVRC) 2011, Nottingham, UK		
	Bitmap Movement Detection: HDR for Dynamic Scenes F. Pece and J. Kautz Conference on Visual Media Production (CVMP) 2010, London, UK		
Exhibits	Video Collections in Panoramic Contexts J. Tompkin, F. Pece, R. Shah, S. Izadi, J. Kautz and C. Theobalt Symposium on User Interface Software and Technology (UIST), Oct. 2013		
Academic Experience	Lecturing Multimedia Computing - mixed M.Sc./B.Sc. module - Spring 2011–2013		
	<b>Teaching Assistant</b> Computer Graphics - mixed M.Sc./B.Sc. module - Fall 2011/2012 Advanced Modelling, Rendering and Animation - M.Sc. module - Spring 2012/2013 Computational Photography - M.Sc. module - Spring 2013/2014 Introduction to C++ - M.Sc. module - Fall 2011–2013 Publishing Scientific Papers with I&T <sub>E</sub> X/BIBT <sub>E</sub> X - 2010–2012		
Academic Service	<b>Reviewer</b> SIGGRAPH '13   CHI '13, '14   EG '12, '13   ISMAR '13   IEEE Transactions on Cybernetics '14		

Professional Experience	Internship Disney Research, Zurich, Switzerland June - November 2010	
	Worked on physical reproduction of reflectance fields with Prof. Jan Kautz, Dr. Wojciech Matusik, Prof. Szymon Rusinkiewicz and Dr. Bernd Bickel. Developed a system for the physical reproduction of reflectance fields through relief images and albedo/specularity maps.	
	Researcher Disney Research, Zurich, Switzerland & University College London, Uni- ted Kingdom October 2009 - February 2010	
	Worked on printing bidirectional reflectance distribution functions on embossed surfaces with Prof. Jan Kautz, Dr. Wojciech Matusik and Prof. Szymon Rusin- kiewicz. Researched new methods to automate the embossing process by defining mathematical models that map the desired results to the actual results in order to minimise the gap between them.	
	Customer advisor Ecom S.a.S electronic and informatics supplies, Campobasso, Italy May - August 2008	
	Private tutor Mathematics and Physics, Rome, Italy December 2004 - January 2007	
LANGUAGES	Italian (native), English (fluent), French (limited working proficiency), Spanish (passive)	
Technical Skills	<b>General</b> Strong computer graphics, image processing, computer vision, virtual environmen- ts and information compression skills. Extensive experience with camera hardware and optics. Good knowledge of networking and machine learning.	
	Mathematical Expertise Calculus, linear and non-linear systems theory, linear and non-linear algebra, pro- bability, random variables and stochastic processes, dynamic optimization (linear, non-linear, quadratic).	
	<ul> <li>Programming</li> <li>C/C++, UNIX shell scripting (strong); Java, XML, HTML (medium).</li> <li>Mathematica and many relevant systems and APIs for scene-graphs, hardware interface, networking and GUI design.</li> <li>MATLAB: Image Processing, Optimization, SPM, Linear Algebra, Fourier Transforms, Nonlinear Numerical Methods, Polynomials, Statistics, Visualization.</li> </ul>	
	Statistics SPSS, Excel	
	<b>Applications</b> Unity, 3D Studio Max, MS Office and other common productivity and media pac- kages for Windows, Mac OS X and Linux platforms.	
	<b>Operating Systems</b> Linux, Mac OS X, Microsoft Windows 7/Vista/XP/2000.	

Extra Activities	<ul> <li>Societies Membership Association for Computing Machinery (ACM), 2012-present Eurographics: European Association for Computer Graphics, 2011-2012 Scouts, Associazione Guide e Scout Cattolici Italiani, 1993–1999 </li> <li>Sports Basketball: Junior level 1995–2001. Agonistic level: 2001–2004. Achievements: Regional champion: 2001–2004; National League, under-21: 2003-2004; Regional representative 1999-2004; School representative 1999–2004; Team captain Olympia Campobasso 2002-2003.</li></ul>				
				Volunteering Biblioteca Provinciale P. Albino (Library), Campobasso, Italy, May 2004 Helped the library with duties such as books cataloguing and events planning.	
				Interests	
	Reading, movies, art, photography, music and travels.				
	Referees	Prof. Jan Kautz	Dr. Shahram Izadi		
		Professor in the VECG group	Senior researcher and leader		
Department of Computer Science		of the I3DT group			
University College London, UK		Microsoft Research			

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