

# **2014 IEEE VIS International Workshop on 3DVis**

**(3Dvis 2014)**

**Paris, France  
9 November 2014**



**IEEE Catalog Number: CFP14A28-POD  
ISBN: 978-1-4799-6827-5**

Paper 1 (submission 2):

Title: The (Possible) Utility of Stereoscopic 3D Displays for Information Visualization: The Good, the Bad, and the Ugly (State of the art paper)....1

Authors: John McIntire and Kristen Liggett

Paper 2 (submission 6):

Title: 3D InfoVis is Here to Stay: Deal with It (Position paper)....25

Author: Richard Brath

Paper 3 (submission 15):

Title: The Evolution of Three Dimensional Visualization for Commanding the Mars Rovers (Short paper)....51

Authors: Frank Hartman, John Wright and Brian Cooper

Paper 4 (submission 13):

Title: Does 3D Really Make Sense for Visual Cluster Analysis? Yes! (Full paper)....37

Authors: Bing Wang and Klaus Mueller

Paper 5 (submission 14):

Title: Spatial Augmented Reality a Tool for 3D Visualization (Position paper)....45

Authors: Bruce Thomas, Michael Marner, Ross Smith, Neven Abdelaziz Mohamed Elsayed, Stewart Von Itzstein, Karsten Klein, Matt Adcock, Peter Eades, Andrew Irlitti, Joanne Zucco, Tim Simon, James Baumeister and Timothy Suthers

Paper 6 (submission 18):

Title: Interaction Techniques as a Communication Channel when Presenting 3D Visualizations (Position paper)....61

Authors: Erik Sundén, Alexander Bock, Daniel Jönsson, Anders Ynnerman and Timo Ropinski

Paper 7 (submission 3):

Title: 2D and 3D Presentation of Spatial Data: A Systematic Review (State of the art paper)....11

Authors: Steve Dübel, Martin Röhlig, Matthias Trapp and Heidrun Schumann

Paper 8 (submission 24):

Title: SPAROGRAM: The Spatial Augmented Reality Holographic Display for 3D visualization and Exhibition (Full paper)....81

Authors: Minju Kim, Jungjin Lee and Kwangyun Wohn

Paper 9 (submission 21):

Title: Comparison of Interactive Environments for the Archaeological Exploration of 3D Landscape Data (Short paper)....67

Authors: Rebecca Bennett, David J Zielinski and Regis Kopper

Paper 10 (submission 8):

Title: How to Master Challenges in Experimental Evaluation of 2D versus 3D Software Visualizations (Short paper)....33

Authors: Richard Müller, Pascal Kovacs, Jan Schilbach and Dirk Zeckzer

Paper 11 (submission 4):

Title: Beyond the classical monoscopic 3D in graph analytics: an experimental study of the impact of stereoscopy (Full paper)...19

Authors: Nicolas Greffard, Fabien Picarougne and Pascale Kuntz

Paper 12 (submission 17):

Title: On the Use of 1D, 2D, and 3D Visualization for Molecular Graphics (Position paper)...55

Authors: Julian Heinrich, Michael Burch and Sean O'Donoghue

Paper 13 (submission 23):

Title: Benefits of 3D Immersion for Virtual Colonoscopy (Position paper)...75

Authors: Koosha Mirhosseini, Qi Sun, Krishna Chaitanya Gurijala, Bireswar Laha and Arie Kaufman

Paper 14 (submission 22):

Title: Interactive Volume Rendering for Immersive Virtual Environments (extended abstract)...73

Authors: Claudia Haenel, Benjamin Weyers, Bernd Hentschel and Torsten Kuhlen