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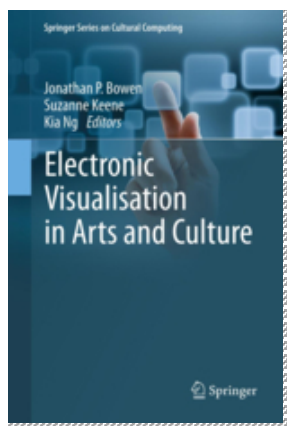
Computer Science - Image Processing | Electronic Visualisation in Arts and Culture

Electronic Visualisation in Arts and Culture

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Bowen, Jonathan P.; Keene, Suzanne; Ng, Kia (Eds.)

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About this book

- Presents the latest science and technology research for arts and culture

- Includes a diverse range of theory, applications and uses – art, music, archaeology, historic landscape, motion capture, photography and more

- The authors are practising international experts from a wide range of backgrounds

Presenting the latest technological developments in arts and culture, this volume demonstrates the advantages of a union between art and science. *Electronic Visualisation in Arts and Culture* is presented in five parts:

- Imaging and Culture
- New Art Practice
- Seeing Motion
- Interaction and Interfaces
- Visualising Heritage

Electronic Visualisation in Arts and Culture explores a variety of new theory and technologies, including devices and techniques for motion capture for music and performance, advanced photographic techniques, computer generated images derived from different sources, game engine software, airflow to capture the motions of bird flight and low-altitude imagery from airborne devices.

The international authors of this book are practising experts from universities, art practices and organisations, research centres and independent research. They describe electronic visualisation used for such diverse aspects of culture as airborne imagery, computer generated art based on the autoimmune system, motion capture for music and for sign language, the visualisation of time and the long term preservation of these materials. Selected from the EVA London conferences from 2009-2012, held in association with the Computer Arts Society of the British Computer Society, the authors have reviewed, extended and fully updated their work for this state-of-the-art volume.

Content Level » Research

Keywords » Arts - Cultural Heritage - Cultural Interaction and Interfaces - Electronic Visualisation - Imaging and Culture - Information Techology - Visualising Heritage

Related subjects » HCI - Image Processing - Information Systems and Applications - Social Sciences

TABLE OF CONTENTS

Foreword.- Preface.- The EVA London Conference 1990–2012: Personal Reflections.- ***Part I – Imaging and Culture***.- From Descriptions to Duplicates to Data.- Quantifying Culture: Four Types of Value in Visualisation.- Embodied Airborne Imagery: Low-Altitude Cinematic Urban Topography.- Back to Paper? An Alternative Approach to Conserving Digital Images into the 23rd Century.- ***Part II – New Art Practice***.- *Light Years: Jurassic Coast* – An Immersive 3D Landscape Project.- Photography as a Tool of Alienation: *Aura.- Fugue* and Variations on some Themes in Art and Science.- ***Part III – Seeing Motion***.- *Motion Studies*: The Art and Science of Bird Flight.- *Game Catcher*: Visualising and Preserving Ephemeral Movement for Research and Analysis.- *mConduct*: A Multi-Sensor Interface for the Capture and Analysis of Conducting Gesture.- Photocaligraphy: Writing Sign Language.- ***Part IV – Interaction and Interfaces***.- Mobile Motion: Multimodal Device Augmentation for Musical Applications.- Legal Networks: Visualising the Violence of the Law.- Face, Portrait, Mask: Using a Parameterised System to Explore Synthetic Face Space.- Facebook as a Tool for Artistic Collaboration.- ***Part V – Visualising Heritage***.- Just in Time: Defining Historical Chronographics.- *Beckford's Ride*: The Reconstruction of Historic Landscape.- Reconfiguring Experimental Archaeology Using 3D Reconstruction.

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The EVA London Conference 1990–2012: Personal Reflections
Hemsley, James

From Descriptions to Duplicates to Data
Lesk, Michael

Quantifying Culture: Four Types of Value in Visualisation
Sula, Chris Alen

Embodied Airborne Imagery: Low-Altitude Cinematic Urban Topography
Soltani, Amir

Fugue and Variations on Some Themes in Art and Science
Novakovic, Gordana