Electronic Visualisation and the Arts (EVA 2010)

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Editors:

Alan Seal

Jonathan P. Bowen

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Abstract

Electronic Visualisation and the Arts London 2010 (EVA 2010) is co-sponsored by the Computer Arts Society and BCS, The Chartered Institute for IT, of which the Computer Arts Society is a specialist group. Since 1992, the EVA conference series has established itself as a natural home from which to explore the richly interdisciplinary and constantly evolving world of digital visualisation. Nothing illustrates this more than the great scope, depth and diversity of the papers contained within this year's Proceedings.

The latest research in digital arts and new media are explored, with contributors ranging from established scholars to the new generation of research students who will lead the field tomorrow. Conference papers cover reconstructive archaeology, virtual museology, digital arts concepts and practice, immersive environments, and digital performance and music.

Editors

Alan Seal has recently worked as Head of Records and Collections Services in the Victoria and Albert Museum where he was responsible for the photographic services and archive in the museum and the automation and digitisation of the collections. He was previously head of collections management in the National Art Library in the V&A. A librarian by training, he is particularly interested in user interfaces and online public access systems, both textual and multi-media. He has undertaken research into bibliographic standards in information systems and online library catalogues during a period at the Centre for Catalogue Research at the University of Bath.

Jonathan P. Bowen is a computer scientist and Chair of Museophile Limited, a museum and IT consultancy company, with the aim of helping museums online, especially in the areas of virtual communities, wikis, web accessibility, and personalisation. <http://jpbowen.googlepages.com>

Kia Ng is Director of the Interdisciplinary Centre for Scientific Research in Music at the University of Leeds. Kia is involved in several research domains including gestural interfaces, interactive multimedia, computer vision, document imaging and computer music, in collaboration with many European and international organisations and individuals in the field. Large-scale projects include i-Maestro on technology-enhanced learning (coordinator), CASPAR on digital preservation and AXMEDIS on cross-media (principle investigator) with over 20M Euro research funding. Kia has more than 150 publications and presented talks in over 30 countries including keynotes and invited lectures in Canada, China, France, Germany, Japan, UK and the USA. www.kcng.org

Papers:

Session 1: Electronic arts

Alicia Bastos   Discovering digital cultural capital in London's events of art and technology: reviewing the last decade   <http://dx.doi.org/10.14236/ewic/EVA2010.1>

Jeremy Pilcher   Legal networks: visualising the violence of the law
<http://dx.doi.org/10.14236/ewic/EVA2010.2>

Almila Akdag Salah   The online potential of art creation and dissemination: DeviantArt as the next art venue   <http://dx.doi.org/10.14236/ewic/EVA2010.3>

Keynote paper

Peter Cochrane   Beyond seeing is believing   <http://dx.doi.org/10.14236/ewic/EVA2010.4>

Session 2: Data, art and time

Alex McLean, et al.   Visualisation of live code   <http://dx.doi.org/10.14236/ewic/EVA2010.5>

Pedro Rebelo and Robert King   Anticipation in networked musical performance
<http://dx.doi.org/10.14236/ewic/EVA2010.6>

Ernest Edmonds   Beyond abstract film: constructivist digital time
<http://dx.doi.org/10.14236/ewic/EVA2010.7>

Keynote paper

Seb Chan   Tracking interactions: new ways of finding value in the use of museums
<http://dx.doi.org/10.14236/ewic/EVA2010.8>

Session 3: The digital museum

Blanca Acuña   A new media approach: visualisation of a digital exhibition. Research on representation and design of cultural interfaces <http://dx.doi.org/10.14236/ewic/EVA2010.9>

Sam Hinton and Mitchell Whitelaw   Exploring the digital commons: an approach to the visualisation of large heritage datasets <http://dx.doi.org/10.14236/ewic/EVA2010.10>

Arden Kirkland, et al.   Context for costumes: faceted access to historic costumes <http://dx.doi.org/10.14236/ewic/EVA2010.11>

Session 4: Digital museum 2

Theopisti Stylianou-Lambert and Elena Stylianou   A third space: reconsidering issues of neutrality and accessibility in the virtual art museum <http://dx.doi.org/10.14236/ewic/EVA2010.12>

Yvonne Hellin-Hobbs   The constructivist museum and the web <http://dx.doi.org/10.14236/ewic/EVA2010.13>

Ingrid Beazley, et al.   Dulwich OnView: an art museum-based virtual community generated by the local community <http://dx.doi.org/10.14236/ewic/EVA2010.14>

Steven Snyder and Karen Elinich   Augmented reality for interpretive and experiential learning <http://dx.doi.org/10.14236/ewic/EVA2010.15>

Luciana Bordoni and Giuseppe Moscara   A system for the investigation of cracks <http://dx.doi.org/10.14236/ewic/EVA2010.16>

Session 5: Art through evolutionary computation

Dew Harrison   Exploring Duchampian and Darwinian ideas through interactive means <http://dx.doi.org/10.14236/ewic/EVA2010.17>

Barry Dean and Ian Parmee   Integration of user-centred evolutionary computation with digital visualisation <http://dx.doi.org/10.14236/ewic/EVA2010.18>

Mohammad A Yaghan   The evolution of architectural forms through computer visualisation: muqarnas example <http://dx.doi.org/10.14236/ewic/EVA2010.19>

ArefeDalvandi, et al. Exploring Persian rug design using a computational evolutionary approach
<http://dx.doi.org/10.14236/ewic/EVA2010.20>

Session 6: Digital art issues

Murat Germen Photography as a tool of alienation: Aura
<http://dx.doi.org/10.14236/ewic/EVA2010.21>

A Hoeben Using a projected Trompe L'Oeil to highlight a church interior from the inside
<http://dx.doi.org/10.14236/ewic/EVA2010.22>

R Collmann and A Borda Simulated-3D visualisation of artefacts using a portable electromechanical object rig
<http://dx.doi.org/10.14236/ewic/EVA2010.23>

Lindsay MacDonald The limits of resolution <http://dx.doi.org/10.14236/ewic/EVA2010.24>

Keynote paper

David Giaretta Digital preservation: terminology, techniques, testing and trust
<http://dx.doi.org/10.14236/ewic/EVA2010.25>

Session 7: Digital art issues

Gregory Sporton Creative identity theft: issues for artists in collaborative online environments
<http://dx.doi.org/10.14236/ewic/EVA2010.26>

Annamaria Carusi, et al. Are digital picturings representations?
<http://dx.doi.org/10.14236/ewic/EVA2010.27>

Session 8: Electronic resources for the public

Jules Moloney Mixed reality and curatorial design: from existing practice to the nomad_tech museum
<http://dx.doi.org/10.14236/ewic/EVA2010.28>

Lisa Dieckmann, et al. Meta-Image - a collaborative environment for the image discourse

<http://dx.doi.org/10.14236/ewic/EVA2010.29>

Karol Kwiatek and Martin Woolner. Let me understand the poetry: embedding interactive storytelling within panoramic virtual environments <http://dx.doi.org/10.14236/ewic/EVA2010.30>

Sylvia Grace Borda Digital image archives as public artwork and community engagement
<http://dx.doi.org/10.14236/ewic/EVA2010.31>

Session 9: Music and art

Matt Benatan, et al. MiMic: a motion control interface for music
<http://dx.doi.org/10.14236/ewic/EVA2010.32>

Martha Gabriel Voice interfaces in electronic art <http://dx.doi.org/10.14236/ewic/EVA2010.33>

Kia Ng and Bee Ong Interactive multimedia rocks for geology
<http://dx.doi.org/10.14236/ewic/EVA2010.34>

Lisa Dalhuijsen and Lieven van Velthoven MusicalNodes, the visual music library
<http://dx.doi.org/10.14236/ewic/EVA2010.35>

Keynote paper

Alan Read The ceramic age: a gloss on depth <http://dx.doi.org/10.14236/ewic/EVA2010.36>

Session 10: Digital performance

Richard Hoadley Implementation and development of sculptural interfaces for digital performance of music through embodied expression <http://dx.doi.org/10.14236/ewic/EVA2010.37>

Sam Bailey, et al. Eye.Breathe.Music: creating music through minimal movement
<http://dx.doi.org/10.14236/ewic/EVA2010.38>

Session 11: Digital arts practice

David R. Burns The valuation of emerging media arts in the age of digital reproduction
<http://dx.doi.org/10.14236/ewic/EVA2010.39>

Chris Cornish Media archaeology in art practice <http://dx.doi.org/10.14236/ewic/EVA2010.40>

Rui Filipe Antunes and Frederic Fol Leymarie Virtual worlds as art practice: EvoArt methodologies
<http://dx.doi.org/10.14236/ewic/EVA2010.41>

Anne James and Dai Nagasaka Architectonic influences of multimedia and their spatial significance
<http://dx.doi.org/10.14236/ewic/EVA2010.42>

Keynote paper

Oliver Grau Renewing knowledge structures for Media Art
<http://dx.doi.org/10.14236/ewic/EVA2010.43>

Session 12: Digital perceptions

Steve DiPaola Face, portrait, mask - using a parameterised system to explore synthetic face space
<http://dx.doi.org/10.14236/ewic/EVA2010.44>

Fernanda D'Agostino, et al. Motion Studies: an art and science collaboration
<http://dx.doi.org/10.14236/ewic/EVA2010.45>

Julie Innes Capturing worlds <http://dx.doi.org/10.14236/ewic/EVA2010.46>

Session 13: Art in the digital age

Lisa Newman Flesh for fantasy: the future of sadomasochism and performance art in virtual worlds
<http://dx.doi.org/10.14236/ewic/EVA2010.47>

Phil Hawks The relevance of traditional drawing in the digital age
<http://dx.doi.org/10.14236/ewic/EVA2010.48>

Session 14: Digital understandings of the past

Stephen Caffey, et al. Reconstructing the Music Hall Rotunda and Annex at Vauxhall Pleasure Gardens c. 1764 <http://dx.doi.org/10.14236/ewic/EVA2010.49>

Martin Crampin New light on old stone: recording and reinventing visual culture
<http://dx.doi.org/10.14236/ewic/EVA2010.50>

Session 15: Experiencing history

Wally Smith, et al. Re-connecting visual content to place in a mobile guide for the Shrine of Remembrance <http://dx.doi.org/10.14236/ewic/EVA2010.51>

Stephen Boyd Davis, et al. Just in time: defining historical chronographics
<http://dx.doi.org/10.14236/ewic/EVA2010.52>

Tony Longson Ideas and influences <http://dx.doi.org/10.14236/ewic/EVA2010.53>