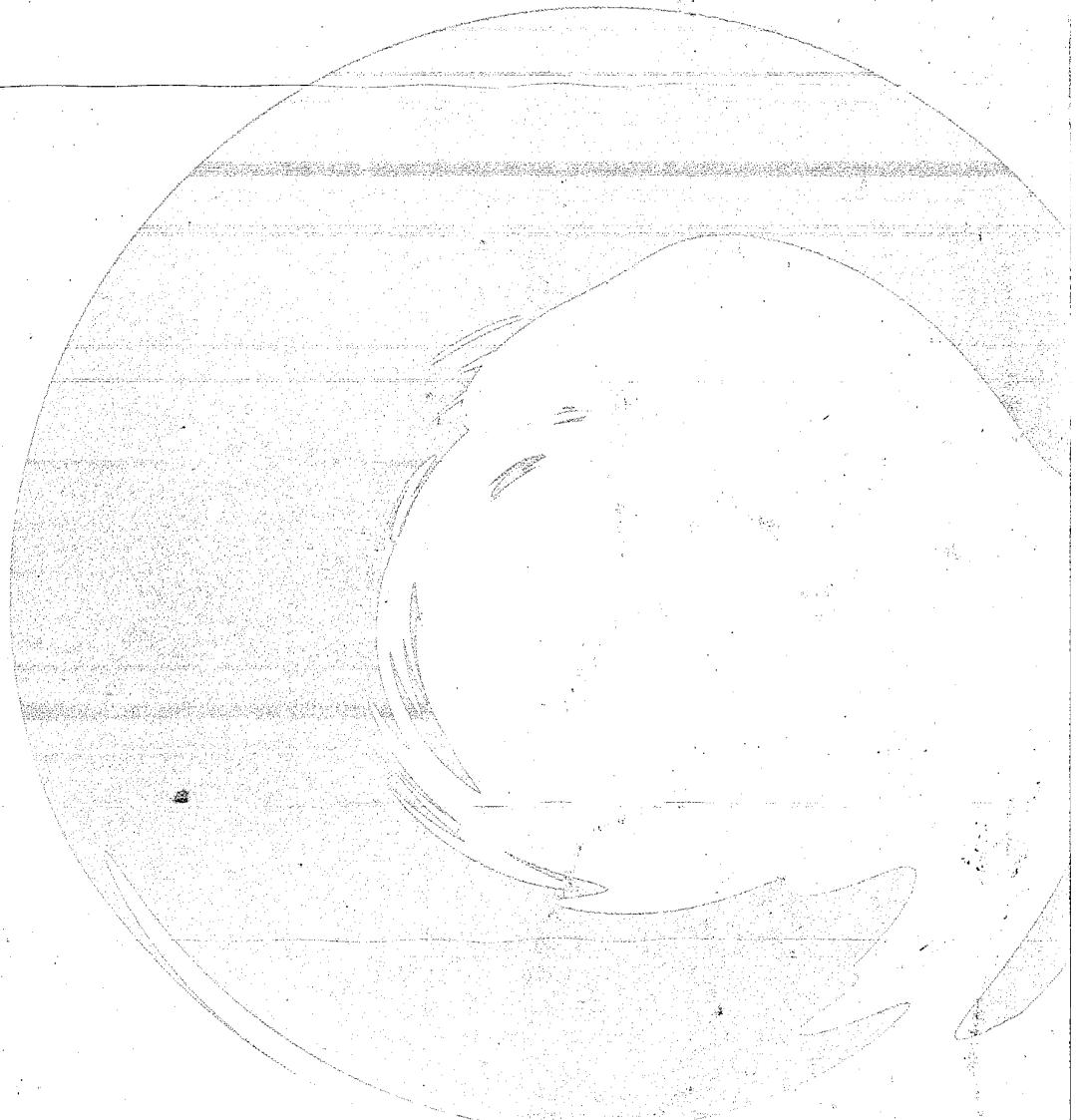


氣 QI and COMPLEXITY

Consciousness Reframed 2004: The 6th International Research Conference



气 · 复杂

Qi and COMPLEXITY

意识的再现：国际学术论坛

CONFERENCE PROCEEDINGS

Editor: Roy Ascott

6th International Research Conference
Consciousness Reframed
art and consciousness in the post-biological era

Beijing
November 2004

content

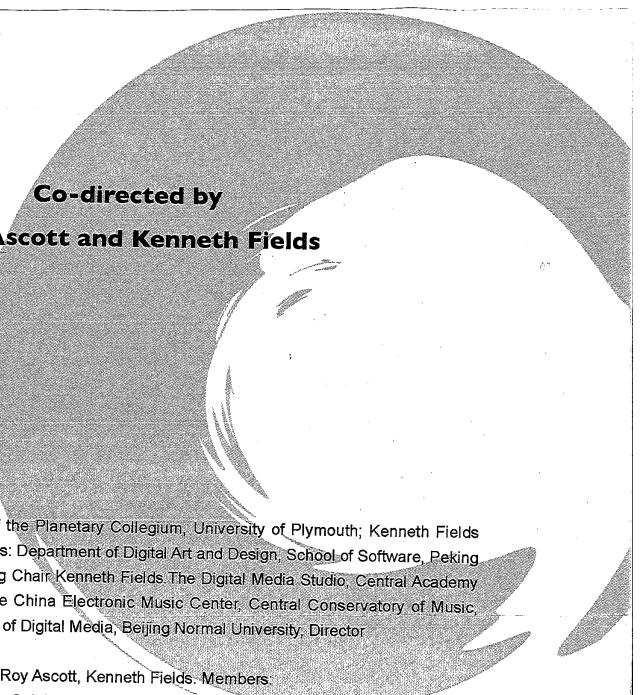
Consciousness, Connectivity and Coherence: a biophotonic perspective	
- Roy Ascott.....	p8-15
Telepathy through Biosensor Media Stimulation - Camille Baker.....	p16-22
Out of Skin: Time, Being, Growing - Thinking with Martin Heidegger	
- Shannon Bell.....	p23-29
Tickets That Exploded: Psychoactive Drugs and Autopoiesis - Marcus Boon.....	p30-36
SoundScapes - Multisensory Reciprocity through subliminal non-control	
- Anthony Brooks.....	p37-44
Representations of recombinant memory in interactive performance works: some recent examples - Jon Burtt, Katie Lavers and Lindsay Vickery.....	p45-51
Mysticism and Complex Systems: from Magic Squares to System Biology	
- Nina Czegledy.....	p52-57
Imaginary Projections onto Reality - Margaret Dolinsky.....	p58-62
Presence and Sound; Identifying Sonic Means to "Be there" - Paul Doornbusch and Sarah K enderline.....	p63-70
The Neurobiology of the Aware Ego -Redefining the Self- - John H. Dougherty Jr., LeAnne I. Dougherty, Mateja de Leon i Stanorik and Charles Licata.....	p71-76
Auratic Bodies - Approaching Degree Zero - Alan Dunning and Paul Woodrow.....	p77-83
Alice in Wonderland or Playing Games with Games - Maia Engeli.....	p84-89
Wind and Fire of Consciousness - Carla Farsi.....	p90-95
The Map is the Territory - Kenneth Fields.....	p96-103
Fluid Rubber Membranes: Simple Solutions for the Creation of Complexity	
- Tania Fraga.....	p104-109
No War One World: www.nowaroneworld.com.br - Martha Carrer Cruz Gabriel, Aloice Secco Caetano and Cecilia Noriko Ito Saito.....	p110-116
High Tech, High Touch Web Interfaces: Colors, Multimedia & VoiceXML	
- Martha Carrer Cruz Gabriel.....	p117-125
POETIC-CUBES "Artefacts for exploring consciousness using bioinspired techniques"	
-Raquel Paricio Garcia and Juan Manuel Moreno Ar_stegui	p126-137
The Raven, the Bat, the Hawk and the Virtual Being: Voiding the Lower Dan Dien	
- Gregory P. Garvey.....	p138-144
Schrodinger's Cell Phone - James Gimzewski and Victoria Vesna	
- Katherine H. Greenberg.....	p145
Developing Consciousness:	
- Insights from the Deaf, Art Therapy and Professional Practitioners.....	p146-153
Truth in the Brain: The Neuroethology of Belief - Neil Greenberg.....	p154-160

Myths, Aboriginal Songlines, and Consciousness - Dene Grigar and John F. Barber.....	p161-168
Cyber-Angel - Michel Guglielmi and Stefania Serafin.....	p169-175
Methods in Machine Consciousness: The Need for a Synthetic Phenomenology	
- Owen Holland.....	p176-181
How far are Chinese arts from new media art? - Wengao Huang.....	p182-188
Auditory And Visual Complexity Progressions In Full-Synchronization Fractal Video	
- Reginald Humphreys and Kathleen Eagan-Deprez.....	p189-194
Horang-I, in the Korean Culture, as an Energetic Spiritual Being, "Qi (氣) " -The Understanding of the Characterization of the Tiger through Photo Manipulation	
- Soonsun Hwang.....	p195-202
"Qi(氣) as a Special Artistic Quality" and the Artistic Quality of Feng(風) and Gu(𩫑) in Digital image - Kim In-hwan.....	p203-210
Multi-Platform Narratives - Maria Ioveva.....	p211-218
Resonating in the Void - Stephen Jones.....	p219-224
The Macroscope:Exploration of the Human Experience - Zachary C. Jones.....	p225-232
Presenting and Representing Movement in Reactive Performance Spaces	
- Kaisu Koski.....	p223-239
Holographic Model and Media Art --- The Idea of - "Wholeness" - Chen Ling.....	p240-248
FLEXTEXT. Problems and results in flexible, distributive cognition.	
- Robert B Lisek.....	p249-255
Electronic ginga (swing)- Katia Maciel.....	p259-261
Collective Consciousness - Deborah L. MacPherson.....	p262-269
Chinese Whispers - Iain Mott.....	p270-276
True Unmanned Art - Leonel Moura and Henrique Garcia Pereira.....	p277-282
A Priori Nature: Constructing Architectures - Shaun Murray.....	p283-290
The Unknown, Invisible Essence: an Exploration of Bah ' Spiritual Experience in Virtual Reality - Chris Nelson.....	p291-296
From Aural Ecologies to Ecologies of Media - Kenneth Newby, Aleksandra Dulic and Martin Gotfrid.....	p297-309
QI (Vital Energy) and Solitary Wave - Shi-wei Niu.....	p310-313
Art as an interaction field - Carlos Augusto Moreira da N_brega.....	p314-321
Orchestrating Reverberation- Gordana Novakovic and Rastko Novakovic.....	p322-329
Empty body and physical image - Keisuke Oki	p330-335
Relationships as the Ground of Form - Mark Palmer.....	p336-344
Complexity and form - Kjell Yngve Petersen.....	p345-352
Models of Power (the secret lives of buildings) - Mike Phillips.....	p353-360

Toward a New Uncertainty - Michael Punt.....	p361-367
Ritualizing Interactive Media - Semi Ryu.....	p368-375
Envisioning Our Cybernetic Environments - Gavin Sade.....	p376-382
e-Skin - Intuitive Smart Interfaces In Virtual Environments - Jill Scott.....	p383-385
Oracle as Episteme for Complexity: The I Ching and the Glide Systems	
- Diana Slattery.....	p386-392
Performativity and Bio-Techne - Karin S_ndergaard.....	p393-399
Making the Simple, Complex - Chris Speed.....	p400-407
Rainbow Theory in Consciousness - Shigeki Sugiyama.....	p408-414
Living as Numbers, the Numerological Body in Ancient China - County Tam.....	p415-421
Qi-Rich vs. Qi-Poor cultures - Nicholas Tresilian.....	p422-429
Cellular Trans_Actions: nanobots - Victoria Vesna and James Gimzewski.....	p430-431
Theory of Experiance - Eero-Tapio Vuori.....	p432-439
Design and Complexity: Research into Practice - Ron Wakkary.....	p440-448
Greed. Love. Wisdom, and Labeling of the Self - Claudia Westermann and Netochka Nezvanova	p449-458
Co-evolutionary Interfaces: The Communication Process among Brain, Computer and Body that dances - Rachel Zuanon.....	p459-468

6th International Research Conference Consciousness Reframed

November 2004 Beijing



Co-directed by
Roy Ascott and Kenneth Fields

Conveners: Roy Ascott, director of the Planetary Collegium, University of Plymouth; Kenneth Fields and the Beijing Digital Arts Programs: Department of Digital Art and Design, School of Software, Peking University. Dean Chen Zhong; Acting Chair Kenneth Fields. The Digital Media Studio, Central Academy of Fine Arts, Director Ma Gang. The China Electronic Music Center, Central Conservatory of Music, Director Zhang Xiaofu. The Institute of Digital Media, Beijing Normal University, Director

Programme Committee. Co-Chairs: Roy Ascott, Kenneth Fields. Members: Ma Gang, Victoria Vesna, Vishal Dar, Soh-Yeong Roh, Leon Xiao, Mike Phillips
Scientific Committee. Chair: Roy Ascott. Members: Kenneth Fields, Niu ShiWei, Leon Xiao, Ernest Edmonds, Michael Punt

Conference Manager (UK). Kay Bosanko-Sheady
Conference Assistants (Beijing). Shen Li and Zhao Jiangguo
Conference design. Wang Rui
Published by:

10. Laban, R. 1963. Modern Educational Dance. 2nd edition, Macdonald & Evans Ltd, London pp. 85. cited in: Camurri, A., and Trocca, R. Analysis of Expressivity in Movement & Dance. In Proc. Colloquium on Musical Informatics 2000.
11. Mahoney, M.J. 1991. Human change processes. Basic Books, Inc.
12. Ochse, R. 1990. Before the gates of excellence: The determinants of creative genius. Cambridge University Press.
13. Sternberg, R. J. 1988. (Ed.) The Nature of Creativity: Contemporary psychological perspectives. Cambridge University Press.
14. Sternberg, R. J. & Lubart, T. I. 1991. An investment theory of creativity and its development. *Human Development*, 34, pp.1-32
15. Sternberg, R. J. & Lubart, T. I. 1996. Investing in creativity. *American Psychologist*, 51, pp. 677-688
16. Sternberg, R. J. & Lubart, T. I. 1999. The Concept of Creativity. In *Handbook of Creativity*, Cambridge University Press.
17. Definitions Motivation & Creativity assistance acknowledged to Centre for Rehabilitation for Brain Injury, Copenhagen.

Biography

Based at the department of computer science, Aalborg University Esbjerg, Denmark, Associate Professor Anthony Lewis-Brooks (aka Tony) is a leader and lecturer in the Medialogy and Digital Design education. He is principle of the SENSORAMA complex.

A coordination board member of the European Intelligent Information Interfaces research network i3net.org from 2001; referee for the Engineering & Physical sciences research council in Great Britain, and author and reviewer for the Journal of Computer Supported-Collaborative Work.

The SoundScapes concept has been at the centre of national and international projects funded in excess of 3 million \$US and it won the top prize at the European Eureka Brokerage Event for Applied Multimedia in Stockholm in 1999.

European project reference www.bris.ac.uk/CAREHERE

tonybrooks@cs.aue.auc.dk

www.cs.aue.auc.dk/~tonybrooks

Consciousness Reframed 2004

Representations of recombinant memory in interactive performance works: some recent examples

Jon Burtt and Katie Lavers and Lindsay Vickery

Modelling of human memory provides a potent framework for examining the complex and enigmatic nature of human perception. This paper examines three varied explorations of images of mind and memory in works involving live performers and technology by the multi-artform circus company skadada and composer Lindsay Vickery. It discusses the positioning of cognitive structures and their representations within a continuum of technological and human agents. Namely, elements and nodes with mind-like characteristics situated within the human and machine interactions of a cybernetic performance. Three works are discussed: Red Yo-Yo (1995) by skadada, <as viewed from above> (2000) by Vickery and The Quick (2004) a collaborative work by the authors.

Keywords: Performance, Multimedia, Interactive, Dance, Music, Text, Recombinant, Hypertext, Rhizome, Memory, Modelling, Real-time

Introduction

Western artforms since antiquity have typically used linear narrative structures to convey meaning. Linear forms such as Classical Rhetoric were an attempt to codify the processes of reason and have remained a powerful approach to communicating ideas. Rhetoric reinforced the Socratic notion of a single unified truth, amongst other things, and allowed ideas to develop on a societal rather than individual basis. In the 1940s when computing was in its infancy, the ability to store and randomly access information was quickly seen to have mind-like qualities that would allow for individual interpretations and mappings of data rather than directed ones.

These qualities are summarized by Slovenian theorist Zizek who characterizes the non-linear approach as one that does not privilege any order of reading or interpretation; there is no ultimate overview of "cognitive mapping", no possibility to unify the dispersed fragments in a coherent encompassing narrative framework [1].