SYSTEMS

Documents of Contemporary Art
INTRODUCTION//12

FOUNDATIONS//20
CYBERNETIC ART, ARCHITECTURE AND DESIGN//62
SYSTEMS AESTHETICS//110
GENERATIVE SYSTEMS//150
ENVIRONMENTAL AND SOCIAL SYSTEMS//188

BIOGRAPHICAL NOTES//228
BIBLIOGRAPHY//230
INDEX//234
ACKNOWLEDGEMENTS//239
Mandala: The Cybernetic Cinema of John and James Whitney, 2009//78
Roy Ascott Art and Telematics: Towards a Network Consciousness, 1983//83
Gordon Pask The Architectural Relevance of Cybernetics, 1969//87
Mary Louise Lobsinger The Fun Palace Project (1961-64), 2000//92
Usman Haque The Architectural Relevance of Gordon Pask, 2007//93
William J. Mitchell Intelligent Cities, 2007//100
Michael Weinstock Morphogenesis and the Mathematics of Emergence, 2004//103

SYSTEMS AESTHETICS
Jack Burnham Systems Aesthetics, 1968//112
Jack Burnham Real Time Systems, 1969//116
Hans Haacke In Conversation with Jeanne Siegel, 1971//120
Edward A. Shanken Reprogramming Systems Aesthetics, 2009-14//123
Francis Halsall Systems of Art, 2008//130
Boris Groys The Mimesis of Thinking, 2005//140

GENERATIVE SYSTEMS
Richard Paul Lohse Lines of Development, 1943-84//152
Iannis Xenakis Free Stochastic Music, 1965//153
Phivos-Angelos Kollias Iannis Xenakis and Systems Thinking, 2011//158
Manfred Mohr  Statement, 1971//160
Sonia Landy Sheridan  Mind/Senses/Hand:  
The Generative Systems Program at the Art  
Institute of Chicago 1970-80, 1990//162
Brian Eno Generating and Organizing Variety in the  
Arts, 1976//166
Michael Joaquin Grey  Statement, c. 2004//171
Christa Sommerer and Laurent Mignonette  Art as  
a Living System, 1999//172
Ken Rinaldo  Autopoiesis, 2000//176
Benjamin Bogart and Philippe Pasquier  Context  
Machines, 2013//178
UBERMORGEN.COM, with Paolo Cirio and Alessandro  
Ludovico  Google Will Eat Itself, 2005//179
Mitchell Whitelaw  Systems Stories and Model Worlds,  
2005//180
Geoff Cox  Generator: The Value of Software Art,  
2007//186

ENVIRONMENTAL AND SOCIAL SYSTEMS
R. Buckminster Fuller  Operating Manual for Spaceship  
Earth, 1969//190
James Lovelock  Geophysics: The Science of Gaia,  
1989//192
Helen Mayer Harrison and Newton Harrison  Shifting  
Positions towards the Earth: Art and Environmental  
Awareness, 1993//195
David Dunn and Jim Crutchfield  Entomogenic Climate  
Change: Insect Bio-Acoustics and Future Forest  
Ecology, 2009//197
Pierre Bourdieu  The Field of Cultural Production, or  
The Economic World Reversed, 1983//203
Nick Prior  Putting a Glitch in the Field: Bourdieu, Actor  
Network Theory and Contemporary Music, 2008//205
Niklas Luhmann  The Function of Art and the Differentiation of the Art System, 1995/214
Bruno Latour  Some Experiments in Art and Politics, 2011/223