CURRICULUM VITAE   BILL SEAMAN

Professor William Seaman, Ph.D.

Computational Media, Arts and Cultures; Media Researcher and Artist; Co-director Emergence Lab

Professor, Department of Art, Art History & Visual Studies; and Music; Duke University

bill.seaman@duke.edu; http://billseaman.com; https://scholars.duke.edu/person/bill.seaman

1999   Ph.D. — CAiiA, Centre for Advanced Inquiry in the Interactive Arts, University of Wales, Newport, Wales; Dissertation Title: Recombinant Poetics: Emergent Meaning as Examined and Explored Within a Specific Generative Virtual Environment

1985   Master of Science, Visual Studies
        Massachusetts Institute of Technology, Cambridge, Massachusetts

Biosketch:

Dr. Seaman is a media artist and a media researcher. He is pioneer in the field of interactive media. In particular, his PhD (1999) explored emergent meaning production in a specific generative virtual environment. This research focused on new forms of highly complex interactive computation and related articulated visualization. He began collaborating from the mid 1980s with media computer scientists / programmers, articulating new experimental forms of interactive media production. He has collaborated on a number of Art/Science publications and projects. In 2021 Seaman was awarded a lifetime achievement award from ACM SIGGRAPH for his pioneering work in "Recombinant Poetics / Recombinant Informatics / Neosentience."

TEACHING

2008-Present   Professor (Tenured), Art, Art History, & Visual Studies, Duke University

2002-08   Professor, Founding Chair, Digital+Media Department and Graduate Program Director, RISD, Providence, R.I.,

1999-02   Professor (Tenured), Department of Design l Media Arts, UCLA, L.A., Cal.

1996–99   Associate Professor (Tenured) and Director of Graduate Program, Imaging and Digital Arts, University of Maryland, Baltimore County Baltimore, Maryland

1992–95   Senior Lecturer (Tenured) and 4D Area Head 93/94, Media Art College of Fine Arts, University of New South Wales, Sydney, Australia

1991   Senior Lecturer, Advanced Video The College of Fine Arts, University of New South Wales, Sydney, Australia

1987   Lecturer, Film and Video - Massachusetts Institute of Technology Cambridge, Massachusetts

1986–87   Lecturer, Visible Language and Sound—Visible Language Workshop. MIT Cambridge, MA

MAJOR WORKS

2023   Invited Keynote – ICADE - With the theme of "The Emerging Roles", the 2023 Tsinghua International Conference on Art & Design Education. The conference aims to chart the shifting contours of art and design education in the AI era. Bejing, China

Published the book with World Scientific – Chaos, Information and The Future of Physics / The Seaman Rössler Dialogues, with Information Annotations by Burgin and Seaman

Presented a major Print Retrospective – Selections from the Archive, Rubenstein Art Center, produced the Catalog with a graphic designer; with free download for students + a physical vesion from Lulu.

Published a Paper with Mark Burgin (first Author) in Cybernetics and Human Knowing Journal Vol. 30 (2023) no. 1-2 pp. 101-131 – In a Search for Deeper Meaning: Navigating a Circle of Sense and Nonsense and In Turn Articulating Logical Varieties as Knowledge Illuminators.

Composing Systems for Advancing Advancing, paper written related to Seaman's presentation for the Glanville Memorial Lecture, Invited talk for ISSS in 2022 - Forthcoming in Enacting Cybernetics Journal (has been submitted and vetted)

Formed a new Research Team for Neosentience research. Emergence Lab

Centerbook by Elizabeth Goldring and Ellen Sebring, Respondant, Book Launch – Held at the Goethe Institute, Boston

MAJOR WORKS

MIT – ACT, Art Technology and Culture, Roundtable, Research Salon – Invited participant — Emergent Futures, Beyond The Centerbook

Music– Released the Following Albums (See Bandcamp site for detail - https://billseaman.bandcamp.com):

The Long Sky, Michael Grigoni and Bill Seaman, Longform Editions

The Clear Distance, Bill Seaman with Stephen Vitiello, Room 40, CD

The World Was Turning Before, Bill Seaman, Stephen Spera, and Tim Diagram, Laaps – Vinyl and CD

Invited to be included on the award-winning album – Tribute To Ryuichi Sakamoto "Micro Ambient Music", International, Digital Version release 2023, Physical release will be 2024

2022 The Engine of Many Senses, in the Group Show - Computational Poetics, Beall Center curated by Higgins/Familian, Irvine, CA

Book - From the Architecture of Ideas: The Life and Work of Ranulph Glanville — Cybernetician, Edited by Seaman, Imprint Academic, UK

Encyclopedia Chapter, Interactive Art, Bloomsbury (forthcoming)

Chapter - The Insight Engine 2.0: the Body and Biomimetic Systems as Intelligent Environments, Professor Bill Seaman, PhD, with Quran Karriem, Dev Seth, Hojung Ashley Kwon, and John Herr. in Intelligent Environments, 2nd Edition - Advanced Systems for a Healthy Planet, . Peter Droege, Editor, Elselvier Press, forthcoming

Overview: Neosentience, Biomimetics, and Insight Engine 2.0 Presented at the Conference on Theoretical and Foundational Problems in Information Studies

Neosentience: Research Areas and Insight Engine 2.0 Foci, Presented at the Conference on Theoretical and Foundational Problems in Information Studies

2021 B3 Show - in conjunction with Frankfurt Book Fair, Silo Solos 2, Sentient R_Map (Room | Region | Relations, Unfolding), Video, Music, Text, Seaman

ADA - Archive of Digital Arts, Featured Artist, Seaman Archive and Interview,

Danube University Krems, Austria

Special Session Organizer for Theoretical and Foundational Problems (TFP) in Information Studies, conference: Neosentience, Biomimetics and the Insight Engine 2.0

COMMISSIONS

2018 The Oper& with John Supko, Experimental Generative Opera, Mary Duke Biddle Foundation & the Office of the Vice Provost for the Arts, Duke

2010 Exchange Fields (Digital Remake), Collaboration with Regina Van Berkel, ISEA, Dortmund, Germany

2008 The Architecture of Assiociation, (Collaboration with Daniel Howe), MIS Museum, Sao Paulo. Brazil

2001 Inversion Tanz Performance Köln, Collaboration with Regina van Berkel, Premiered 2001, Collogne, Germany

2000 Exchange Fields Vision Ruhr, Collaboration with Regina Van Berkel, Premiered 2000, Dortmund, Germany

2000 Red Dice / Dés Chiffrés National Gallery of Canada, Premiered 2000 Ottawa, Canada

1995–96 Sleeper's Guts Frankfurt Ballet, Video and Set Design, William Forsythe, Frankfurt, Germany

2005 The ThoughtbodyEnvironment 1, Boston Cyberarts, Cambridge, MA

2004 Exchange Fields - List Gallery, Brown University, Providence, RI

2022 Overview: Neosentience, Biomimetics, and Insight Engine 2.0. Proceedings 2022, 81, 89. https://doi.org/10.3390/proceedings2022081089

Neosentience: Research Areas and Insight Engine 2.0 Foci. Proceedings 2022, 81, 14. https://doi.org/10.3390/proceedings2022081014

From The Architecture of Ideas — The Life and Work of Ranulph Glanville, Cybernetician, Imprint Academic, UK (book)

Interactive Art, Encyclopaedia Chapter (forthcoming)

2020 Neosentience, long paper for Sentience - ISEA Online Proceedings 2020,

Design Cybernetics, Book Review for Cybernetics and Human Knowing

Machinic Vision in the Neosentient is Potentially Associated With via Multimodal Sensing, in Ways of Machine Seeing, a special edition of AI & Society journal by Springer

At the Interface - Multimodal Sensing and Intelligent Learning Systems -The Dynamic Transformation of the Cityscape, and Its Ongoing Study— In Digital Cities, Between History and Archaeology, Edited by Maurizio Forte and Helena Murteira, Oxford University Press

2018 Towards a Dynamic Heterarchical Ecology of Conversations in the Journal Cybernetics and Human Knowing. Vol. 25 (2018), no. 1, pp. 91–108

Roy Ascott – Early Interactive Work and some Cybernetic Relationalities - Cybernetics and Human Knowing. Vol. 25 (2018), nos. 2-3,

2014 A Many-perspective Approach to Knowledge Production, ASC Conference Proceeding

From Neosentience to Recombinant Informatics, A Research Overview, in Computer Science, Technology, and Application

2013 Computational Creativey - A Multi-perspective Approach, Keynote - RE-new Festival - Copenhagen

Inventions and Recombinant Poetry, Bill Seaman and O. E. Rössler, in Ecologies of Invention, SU Press, Sydney Australia

2012 Neosentience - The Abstraction of Abstraction, EMSCR Proceedings, European Meetings on Cybernetics and Systems Research (forthcoming) organized by the Austrian Society for Cybernetic Studies in cooperation with the International Federation for Systems Research

The Engine of Engines - Toward a Computational Ecology, in Integral Biomathics, Tracing the Road to Reality, Plamen L. Simeonov, Leslie S. Smith, Andrée C. Ehresmann (Eds.)

2011 Neosentience | The Benevolence Engine, with Otto Rössler, Intellect Press (book)

2010 Recombinant Poetics, VDM Press, isbn-10 3639236513, isbn-13 978-3639236514

(Re)Thinking — the body, generative tools and computational articulation, Technoetic Arts: A Journal Of Speculative Research, Volume 7, Issue 3

2009 OULIPO | vs | Recombinant Poetics (excerpt)) Art & Electronic Media,

edited by Ed Shanken, Phaidon Press (See also Leonardo Below)

Combinatoric Micro-strategies for Emergent Transdisciplinary Education, in Rethinking the Contemporary Art School: The Artist, The Academy, The Ph.D. (NSCAD) 2008

Neosentience – A New Branch of Scientific and Poetic Inquiry Related to Artificial Intelligence, Bill Seaman and Otto Rossler, Technotic Arts Volume 6, Issue 1, March 2008

Unpacking Simultaneity for Differing Observer Perspectives and Qualities of Environment in "Simultaneity" edited by S. Vrobel, O.E. Rossler, T. Marks-Tarlow, World Scientific

A Generative Emergent Approach to Graduate Education, in M. Alexenberg, Educating Artists for the Future, Learning at the Intersections of Art, Science, Technology, and Cultue

2007 Recombinant Poetics in Media Poetry, an International Anthology, edited by Eduardo Kac, Intellect

Recombinant Poetics and Related Database Aesthetics, in Database Aesthetics, edited by Victoria Vesna, University of Minnesota Press

Pattern Flows | Hybrid Accretive Processes Informing Identity Construction, Convergence Magazine

ARTIST TALKS / WORKSHOPS / PANELS

2021	Panel organizer, ISEA, + artist presentation
2020	Invited Talk, Seaman Works – Processes, Methodologies, and Interactions Dept of Digital Arts at the University of Applied Arts, Vienna `,
	B3 - Invited Panel, AI, Frankfurt, Germany
	ISEA, Panel on AI/Neosentience, International Symposium on Electronic Arts, Montreal 2018
2018	Artist Talk, Suspended Sentence, UMASS Dartmouth Gallery, Dartmouth Mass
2017	Invited von Foerster Lecture, von foerster Society, Towards A Dynamic Heterarchical Ecology of Conversations, University of Vienna, Vienna, Austria
	Artist Talk, University of Montreal
	Artist 3 day Workshop, Universitat für Angewandte Kunst Wein, Vienna Austria
	Artist Talk, Universitat für Angewandte Kunst Wein, Vienna Austria
2015	Color and The Brain Symposium, Duke Institute for Brains Sciences, Session Moderator Durham, North Carolina
	Interrupt (conference) Invited Feature Presentation, Brown University, Providence RI
	World Photonics Forum, Session Chair, Fitzpatrick Institute for Photonics, Duke
	Emergence: Re-Cognizing Complexity, Insight Engine, SAT, Montreal, Canada
2014	NIAS workshop on the New Cultural Commons, invited presentaiton, Wiessnaar,Netherlands
	Shanghai Theatre Academy, Experimental Workshop, Shanghai, China
2013	Multi-perspective Approach to Knowledge Production - American Society for Cybernetics - conference Acting - Learning - Understanding Bolton, UK
2012	Artsit Talk, Abrechnung für Dienstleistungen/Aufwandsentschädigungen, Bremen, Germany
	Interaction Design Workshop, Jacobs University, Bremen, Germany

PROFESSIONAL ACTIVITIES

2020-22	Book Review Editor for Cybernetics and Human Knowing, Journal
	Graduate Program Director, Computational Media, Arts and Cultures (CMAC), Duke University
2019	Talk for Invited Panel on the work of Christian Marclay, Franklin Humanities Institute / Duke University
2018	Roy Ascott – Early Interactive Work and some Cybernetic Relationalities - Cybernetics and Human Knowing. Vol. 25 (2018), nos. 2-3, pp. xx–xx
	Towards a Dynamic Heterarchical Ecology of Conversations (invited talk by von Foerster Society, Vienna) was published in the Journal Cybernetics and Human Knowing. Vol. 25 (2018), no. 1, pp. 91–108
2015-23	Co-director, The Emergence Lab, Media Arts + Sciences, Duke University
2016	At the Interface — Multimodal Sensing and Intelligent Learning Systems —The Dynamic Transformation of the Cityscape, and Its Ongoing Study, Digital Cities in Between History and Archaeology, Edited by Maurizio Forte and Helen Muteira
	Advisory Board Member of the Handbook of Anticipation, Edited by Roberto Poli
2015	Cyberworlds Invited Talk - Neosentient Architecture Generator, IEEE affiliated
	Emergent Relationally System - in Remote Sensing - Current Methods and Applications
	edited by Maurizio Forte and Stefano Campana

2013	Bass Connections, Duke University
2012	Duke Institute for Brain Sciences, Duke University
2009	Council for the Arts, Major Collaboration Grant, Duke University
	Wexner Museum - Video Artist Residency
2005	Video Production Grant - Avid / Boston Cyberarts
	Large Format Photographic Signs - Castle Graphics / Boston Cyberarts
2003	Rockefeller Grant Nominee
	Wexner Museum - Video Artist Residency
	Artslink Travel Grant
2002	Langlois Foundation, Poly-sensing Environment, with Dr. Ingrid Verbauwhede, UCLA, Electrical Engineering, Mark Hanson, Bell Labs
2001	Chancellor's Fund for Academic Border Crossing, UCLA, with Dr. Ingrid Verbauwhede, Electrical Engineering, L.A., C.A.

2021	The distinguished Artist Award for Lifetime Achievement in Digital Art for my work exploring "Neosentience, Recombinant Poetics, and Recombinant Informatics." ACM/SIGGRAPH
2003	Leonardo Award for Excellence, for "OULIPO	vs	Recombinant Poetics", Leonardo Digital Salon, 34:5 Edited by Christiane Paul
2002	Fulbright Distinguished American Scholar, Wellington, New Zealand
2001	Intel Research Gift, L.A., C.A.
2000	Intel Research Gift, L.A., C.A.
1999	Intel Research Gift, L.A., C.A.
1998	Industrial Forum Award Hannover, Germany
1996	Bonn Videonale Prize Bonn, Germany
1995	International German Video Art Prize Baden Baden, Germany
	Interactive Art, Prix Ars Electronica Linz, Austria
	First Prize, Berlin Film and Video Festival, Multimedia Berlin, Germany
1993	Siemens' Stipendium, ZKM Karlsruhe Karlsruhe, Germany
1992	Best International Video Cadíz, Spain
	Interactive Art, Prix Ars Electronica Linz, Austria
1989	Fellowship, Massachusetts State Council Artist Boston, Massachusetts
	Zone Video Festival Prize Springfield, Massachusetts
1987	Fellowship, National Endowment for the Arts Washington, D.C.
	Cannon Europa Prize, World Wide Video Festival Den Haag, Holland
1986	Awards in the Visual Arts, Rockefeller Foundation Winston-Salem, N. Carolina
	Finalist, Artist Foundation Boston, Massachusetts
1985	Monte Verite Invitational Prize Locarno, Switzerland
	First Prize, 2nd International Biennial Ljubljana, Yugoslavia
	Best Sound, Geneva International Video Festival Geneva, Switzerland