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. Last year he 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 I 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

2022

The Engine of Many Senses, in the Group Show - Computational Poetics, Beall Center (forth coming) 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

Book - Chaos, Information, and Future Physics, The Seaman-Rossler Dialogue, with Information Annotations by Mark Burgin, Edited by Bill Seaman, World Scientific, (forthcoming)

Encyclopedia Chapter, Interactive Art, Bloomsbury

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

MAJOR WORKS

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

SOLO EXHIBITIONS

2023   Digital Photo Works, Experimental Drawings and Related Video – a print and experimental drawing retrospective, The Rubenstein Art Building, (forthcoming), Duke (including building-wide exhibition and site specific installtion) Durham, NC

2018   Suspended Sentence, Solo Show UMASS Dartmouth Gallery, Dartmouth, MA

2017   Solo Concert, University of Vienna, Vienna, Austria

Solo Concert, University of Montreal, Montreal Quebec, Canada

Generative Music Engines, University of Montreal, Montreal Quebec, Canada

Engine of Many Senses Installation, Museum Quarter Gallery, Vienna Austria

2005   The ThoughtbodyEnvironment 1, Boston Cyberarts, Cambridge, MA

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

PUBLICATIONS

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

2020	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 Convergence: The International Journal of Research into New Media Technologies, Vol. 11, No. 4, 12-31
2004	(RE)Sensing the Observer — Offering an Open Order Cybernetics. coauthored with Andrea Gaugusch, Technoetic Arts 2.1
	Toward the Production of Nano-computers and in turn Nano-related Emotive Virtual/Physical Environments, Intelligent Agent 4.2 Spring 2004 Online Publication

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

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

2016-20   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   Co-director, The Emergence Lab, Media Arts + Sciences, Duke University

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

GRANTS	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.

AWARDS	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 l vs l 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