

Neosentience | The Benevolence Engine

Bill Seaman and Otto E. Rössler

Foreword by Siegfried Zielinski

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Part • Molecules of Emotion • The Physiognomic Side of Nature and its Spatial Relation to the Body • Light Computer • A Geon Computer • The Elephant looking into it's own mouth • The Creation of a new Techno-species • The Invention of Benevolence • Smile Theory (Don't laugh!) • Are we making an immortal? • Analogical Computing (Hava Siegelman) • The World As Interface / Interface as Continuum • Interfaciology • Cooperation in Robotics (Luc Steels) • Games and Seduction • The Science of Charm • What is Second Life? • Tom Ray • Tierra • Embodied Souls • Robotic Care Givers • Benevolence from a Doll • Descartes' Doll • How to Build a Superluminal Computer • Computers began as people • A multi-perspective approach to understanding that which is at operation in the body contributing to thought • Neosentientology • The Glass Ceiling and Vertical Breakthrough • Potato Washing • Poly-sensing Potentials • Multi-modal Machine Sensing vs. Human Sensing • Related Robotic projects • Luc Steels • Artificial Seal • Ralph Hollis • Floator • The Scandal of Benevolence • Leibniz and Benevolence • The Benevolence of Cooking • Charm • The Naked Soul • The Scandal of Color • The Physics of Immortality (Everett) • The Thing About the Shared Mind's Eye (Einstein) • The Omega Point - Jacob, Avicenna, Teilhard • The Jump • The Purring Little White Seal • The Sims by Bill Wright • Konrad Lorenz • Endogenous Mood Pressure • Play • Arthur Koestler • Wilfried Hou Je Bak • Sex • Ongoing Goals for the Neosentient • Threshold of Personhood • Long Term Mutation • Neo-sentience - Positive Techno-evolution or Extreme, Hostile Takeover Environment? • Stephen Smale • Axiom A Attractor • Rössler (in the spirit of the Haiku) • Wilfried Mueller • David Marz and Tommaso Poggio • Vision System • Sex Savage-Rumbaugh, Roger Lewin and the Soul of the Ape • Buddha • Multiple Approaches to Time and the Now • The Seduction Toward a Good • Second Class of Brains • Vannevar Bush's Differential Analyzer • Kant • The Dreams of a Ghost Seer • Bob Rosen • On Biological Systems As Paradigms for Adaptation • 3 Branches of Mathematics • Klaus-Peter Zauner • Molecular Information Technology • Howard Pattee • How Does a Molecule Become a Message • Yukio-Pegio Gunji • Kunihiko Kaneko • The Angel of Redness • All Aesthetics Are Neural Aesthetics • Neosentient Aesthetics • Some Reflective Projections on the Internal Screen • Kleist • Turing • Dystopian Techno-evolution (continued) • Male Mothers • Fear of an Awesome Responsibility • Spielberg's Epic AI • Post Darwinian Synthesis (Lion Lamb and Computer) • Turing Test • Bringing Up The Computer • Epictetus and the Turing Test • Descartes and the Turing Test • Galactic Export • Computational Potentality • The Physics of Meaning • The Purring Little White Seal • The Tale of the Whale • Fighting Evil • Buddha [Smile] • The benevolence engine in a Nutshell • TechnoSpecies • A Model for a Neosentient system - The Benevolence Engine - We list the main functional parts of the diagram • The Diagram • Poly-sensing Input • Pattern Matching Mechanism • Buffer Generated VR • Force Field Generator • Control Driver (the great joystick) / Simulator Mechanism (imagined space) • Overlap Buffer • Effluence Copy / Reaffluence • Movement Potentials • Long-term Memory • Neosentience • Discussion • Summary • Endnotes • Addendum •

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Coined by artist and media researcher Bill Seaman, 'neosentience' describes a new branch of scientific inquiry related to artificial intelligence. This volume explores the groundbreaking work of Seaman and chaos physicist Otto E. Rossler in exploring the potential of an intelligent robotic entity in possession of a form of sentience similar to that of a human being. Chapters approach the concept from a range of disciplines, including psychology, linguistics and the arts. This book encourages readers to reflect on how we experience and interpret the world, how memory works and what it is to be human.

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