

Mauro Annunziato

In the scientific field, I have conducted research on chaos theory at UCSD, as well as intelligence and artificial life. My focus has been on applications in sustainable development, smart cities, and smart communities.

In the realm of art, I co-founded the Plancton Art Studio group in 1994. Our goal was to produce digital images and interactive installations blending art and science. I have been actively engaged in the international digital art scene and developed the Art of Emergence approach.

My works have been showcased in several international exhibitions in Los Angeles, New Orleans, Washington, Munich, London, Lima, Moscow, Girona, Rome, Turin, and Venice. I have received various awards, including the cover feature of the International Journal of Art-Science, Leonardo (MIT Press) in 2002. One of my contributions was selected by NASA as part of a collection by 60 artist-scientists for the library of the first human settlement on Mars in 2030.

Image Collections

Kaos
Artificial Societies
Smarginature
The Garden of Attractors

Main Interactive Installations

Neurosocieties (2024)
Relazioni Emergenti (Emerging Relationships) (2000)
E-Sparks (2006)
Sensitive Painting (2002)
Alien and the Mirror (2006)
Aurora di Venere (2001)
Stanze (Rooms) (1997)

Exhibitions

- "Al bordo del Caos", (At the Edge of Chaos), retrospective exhibition, Les Bernardes, Girona, Spain, 2024.
- "Sogni" (Dreams), interactive installation, Fumone, Italy, 2010.
- "Unfolding". interactive installation, Mind Force Int. Conference, Siena, Italy, 2010.
- "E-Sparks" (video). Biennial of Contemporary Art, Moscow, 2009.
- "E-Sparks" exhibition at the MART (Museum of Contemporary Art of Trento and Rovereto), Rovereto, Italy, 2006.
- "E-Sparks" exhibition at the ancient roman imperial forum (Mercati di Traiano), Rome, Italy, 2005.
- "E-Sparks" exhibited at the II Italian Workshop of Artificial Life, Rome, Italy, 2005
- Video "A-(like)", presented at the Exhibition "Barriere", Castello di Maccaresse, Italy, 2003.
- "Chaos Revenge" exhibited in the context of the show "Complexity", Washington, USA, 2003.
- "Interactive Life", interactive installation exhibited at "Experimenta", Turin, Italy, 2003.
- "Artificial Societies". Prints and video at the ARTWARE2, Digital Art Exhibition, Centro Cultural de la Pontificia Universidad Católica del Perú, Lima, Perú. 2003.
- "Sensitive Painting". Interaction installation at the Eva 2003 Florence Conference, Florence, Italy, 2003.

- "The Artificial Societies". Projection of dynamic images, Organised by Confindustria, Rome, Italy, 2002.
- "Sensitive Painting". Interactive installation in the context of the High Tech Museum at the "Fortezza da Basso", Florence, Italy, 2002.
- "Chaos Revenge" and "The Garden"". In the context of the show "Complexity". Samuel Dorsky Museum of Art, SUNY New Paltz, New York, USA, 2002.
- "Sensitive Painting". Interactive installation at the Brunei Gallery, London University, in the context of the 6thIV, Digital Art Gallery, London, UK, 2002.
- "Aurora di Venere", Performance of Interactive Dance and Digital Art in the Palais Theatre of San Vincent, Italy, 2001.
- "Relazioni Emergenti III", Interactive Installation, Siggraph, New Orleans, USA, 2000
- "Relazioni Emergenti II", Interactive Installation, Imagina, Monaco, France, 2000.
- "Chaos Revenge", Mississippi State University, Dept. of Art, Oxford, USA, 2000.
- "Art of Emergence", "Relazioni Emergenti II", "VID-A-FEEBA", Generative Art, Milan, Italy, 1999.
- "Chaos Revenge", M. Annunziato, Santa Monica College Art Gallery, Santa Monica, USA, 1999.
- "Relazioni Emergenti II", Opera Totale, Venice, Italy, 1999.
- "Chaos Revenge", Sausalito Art Festival, Sausalito, USA, 1999.
- "Stanze", Interactive Installation, Galleria ON/OFF, Viterbo, Italy, 1997.
- "PLANCTON", (Nagual collection, video, paintings) Gruppo Plancton, Circolo DADA, Viterbo, Italy. 1996.
- "Mr. Brown", Libreria Grandmelo', Gruppo Plancton, Rome, Italy, 1995.
- "Trains don't run forever", Gruppo Plancton, Rassegna Stelle Cadenti, Bassano in Teverina, Italy, 1995.
- "Como Avanza el Pez", Rassegna Itinera 94, Gruppo Plancton, Bolsena, Italy, 1994.
- "Como Avanza el Pez", Rassegna SottoSopra, Libreria Grandmelo', Gruppo Plancton, Rome, Italy, 1994.
- "Il Branco" (Kaos, video, Installation "Underground lake"), Rassegna Stelle Cadenti, Bassano in Teverina, Italy, 1994.
- "PLANCTON: Kaos and Video", Circolo U-BAHN, Viterbo, Italy 1994.

Awards

- Front and Back cover of Leonardo Int. Journal (Journal of the International society for the Arts, Sciences and Technology), Volume 37, Number 3, 2001.
- "Relazioni Emergenti". Onorary mention at the VIDA4 Art Int. Concourse, publication of a CD Rom and article on "El Pais", February 2002, Spain.
- A contribution to the Mars Millennium Project . M. Annunziato (web site). This paper is an invited contribution to the Mars Millennium Project. The goal of MMP is to prepare a selected archive for a village of 100 humans on Mars in 2030. On this link (planetary.org site related to NASA and JPL) you can find also very interesting contributions of other artists, scientists, astronauts.

Publications

- Emergenza e biodiversità della forma: l'estetica dello scambio tra vita reale ed artificiale, M. Annunziato, P. Pierucci, in Proc. of the II Italian Workshop of Artificial Life, Rome, 2-5 March 2005. Also in "Sistemi Intelligenti" (Il Mulino), Anno XVIII, n. 1, April 2006.
- The Emergence of Social Learning in Artificial Societies M. Annunziato, P. Pierucci. (PDF, 286 Kb). In Proc. of the EvoMUSART, 1st European Workshop on Evolutionary Music and Art, Essex, UK, April 14th-16t, 2003. Evolution and Learning in Artificial Societies.

- Sensitive Painting M. Annunziato, P. Pierucci, I. Tirelli. (PDF, 287 Kb). In Proc. of the EVA 2003 Florence, International Conference, Florence, IT, March 24-28 2003. The interactive installation Sensitive Painting and innovative proposals for fruition of the cultural heritage.
- Human-Artificial Ecosystems: Searching for a Language. M. Annunziato, P. Pierucci. (PDF, 292 Kb). In Proc. of the Fifth Int. Conference on Generative Art, Milan, Dec. 2002. A backstage study for the emergence of an autonomous language in an artificial society.
- The Art of Emergence e gli ambienti intelligenti M. Annunziato, (PDF, 10 Mb !!). Seminar at the "Università Cattolica", P. Gemelli, Rome, Italy, 7th November 2002. You can download the seminar slides (please take into account it is in Italian and about 9 Mb).
- The E-What Project M. Annunziato, (PDF, 9 Kb). An interview from Franz Fishhaller in the context of the E-What Project: Net, society, democracy", June 2002.
- Emergenza e biodiversità della forma: creazione e struttura per una nuova estetica M. Annunziato, (PDF, 1120 Kb). The concept of the Art of Emergence: self-organization and art. March 2002.
- Relazioni Emergenti: Experimenting with Art of Emergence M. Annunziato, P. Pierucci. Paper published on the Leonardo Int. Journal, MIT Press, Volume 35, Issue 2, April 2002.
- Learning and Contamination in Virtual Worlds M. Annunziato, P. Pierucci. (PDF, 947 Kb). In Proc. of the Fourth Int. Conference on Generative Art, Milan, Dec. 2001. A backstage study for development of creatures evolving and learning in an artificial environment.
- Towards Artificial Societies M. Annunziato, P. Pierucci. (PDF, 522 Kb). In Proc. of the Third Int. Conference on Generative Art, Milan, Dec. 2000. A summary of the Plancton interactive installations up to 1999
- A contribution to the Mars Millennium Project . M. Annunziato (web site). This paper is an invited contribution to the Mars Millennium Project. The goal of MMP is to prepare a selected archive for a village of 100 humans on Mars in 2030. On this link (planetary.org site related to NASA and JPL) you can find also very interesting contributions of other artists, scientists, astronauts.
- Emergent Relationships. M. Annunziato, P. Pierucci. (PDF, 113 Kb). In the Proc. of the Alife VII Int. Conf., Portland, Oregon, Aug 2000. Invited paper in the workshop "Alife, Art and Design". A description of intents and technical details of the installation Relazioni Emergenti.
- The Art of Emergence. M. Annunziato, P. Pierucci. (PDF, 947 Kb). In Proc. of the Second Int. Conference on Generative Art, Milan, Dec. 1999. A summary of the Plancton interactive installations up to 1999.
- Emergent Structures in Artificial Societies. M. Annunziato. (HTML). Presented at the Creative Application Lab of Siggraph 99 (included in the CDROM), Los Angeles, CA, Aug. 1999. A presentation of the filament societies in very large spaces (high resolution).
- The Nagual Experiment. M. Annunziato. (PDF, 2.6 Mb) In Proc. of the First Int. Conference on Generative Art, Milan, Dec. 1998. The first formulation of the filament artificial society