

1. Record Nr.	UNISA996465954103316
Titolo	Advances in artificial life : 5th European Conference, ECAL'99, Lausanne, Switzerland, September 13-17, 1999 : proceedings // Dario Floreano, Jean-Daniel Nicoud, Francesco Mondada
Pubbl/distr/stampa	Berlin ; ; Heidelberg : , : Springer, , [1999] Â©1999
ISBN	3-540-48304-7
Edizione	[1st ed. 1999.]
Descrizione fisica	1 online resource (XVIII, 742 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 1674
Disciplina	570.113
Soggetti	Biological systems - Computer simulation Biological systems - Simulation methods Robotics Artificial intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes 1 sheet errata.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynote Lectures -- Epistemology -- Evolutionary Dynamics -- Evolutionary Cybernetics -- Bio-inspired Robotics and Autonomous Agents -- Self-Replication, Self-Maintenance, and Gene Expression -- Societies and Collective Behaviour -- Communication and Language.
Sommario/riassunto	No matter what your perspective is, what your goals are, or how experienced you are, Artificial Life research is always a learning experience. The variety of phenomena that the people who gathered in Lausanne reported and discussed for the fifth time since 1991 at the European Conference on Artificial Life (ECAL) has not been programmed, crafted, or assembled by analytic design. It has evolved, emerged, or appeared spontaneously from a process of artificial evolution, self-organisation, or development. Artificial Life is a field where biological and artificial sciences meet and blend together, where the dynamics of biological life are reproduced in the memory of computers, where machines evolve, behave, and communicate like living organisms, where complex life-like entities are synthesised from electronic chromosomes and artificial chemistries. The impact of Artificial Life in science, philosophy, and technology is

tremendous. Over the years the synthetic approach has established itself as a powerful method for investigating several complex phenomena of life. From a philosophical standpoint, the notion of life and of intelligence is continuously reformulated in relation to the dynamics of the system under observation and to the embedding environment, no longer a privilege of carbon-based entities with brains and eyes. At the same time, the possibility of engineering machines and software with life-like properties such as evolvability, self-repair, and self-maintenance is gradually becoming reality, bringing new perspectives in engineering and applications.

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2. Record Nr.	UNINA9910706802503321
Autore	Anderson Molly S.
Titolo	Life support baseline values and assumptions document // Molly S. Anderson, Michael K. Ewert, John F. Keener
Pubbl/distr/stampa	Houston, Texas : , : Lyndon B. Johnson Space Center, National Aeronautics and Space Administration, , January 2018
Descrizione fisica	1 online resource (x, 220 pages) : color illustrations
Collana	NASA/TP ; ; 2015-218570/REV1
Soggetti	Classifications Life support systems Space exploration Assumptions Research and development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"January 2018."
Nota di bibliografia	Includes bibliographical references (pages 203-216).

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