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Titolo	Advances in Artificial Life [[electronic resource]] : 8th European Conference, ECAL 2005, Canterbury, UK, September 5-9, 2005, Proceedings // edited by Mathieu Capcarrere, Alex A. Freitas, Peter J. Bentley, Colin G. Johnson, Jon Timmis
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2005
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Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (XIX, 949 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 3630
Disciplina	570.1/13
Soggetti	Artificial intelligence Computers User interfaces (Computer systems) Computer science—Mathematics Pattern recognition Bioinformatics Artificial Intelligence Computation by Abstract Devices User Interfaces and Human Computer Interaction Discrete Mathematics in Computer Science Pattern Recognition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Conceptual Track -- Morphogenesis and Development -- Robotics and Autonomous Agents -- Evolutionary Computation and Theory -- Cellular Automata -- Models of Biological Systems and Their Applications -- Ant Colony and Swarm Systems -- Evolution of Communication -- Simulation of Social Interactions -- Self-replication -- Artificial Chemistry -- Posters.
Sommario/riassunto	The Artificial Life term appeared more than 20 years ago in a small corner of New Mexico, USA. Since then the area has developed dramatically, many researchers joining enthusiastically and research groups sprouting

everywhere. This frenetic activity led to the emergence of several strands that are now established ?elds in themselves. We are now reaching a stage that one may describe as maturer: with more rigour, more benchmarks, more results, more stringent acceptance criteria, more applications, in brief, more sound science. This, which is the natural path of all new areas, comes at a price, however. A certain enthusiasm, a certain adventurousness from the early years is fading and may have been lost on the way. The ?eld has become more reasonable. To counterbalance this and to encourage lively discussions, a conceptual track, where papers were judged on criteria like importance and/or novelty of the concepts proposed rather than the experimental/theoretical results, has been introduced this year. A conference on a theme as broad as Arti?cial Life is bound to be very - verse, but a few tendencies emerged. First, ?elds like 'Robotics and Autonomous Agents' or 'Evolutionary Computation' are still extremely active and keep on bringing a wealth of results to the A-Life community. Even there, however, new tendencies appear, like collective robotics, and more speci?cally self-assembling robotics, which represent now a large subsection. Second, new areas appear.

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2. Record Nr.	UNISA996200114503316
Titolo	Matemática aplicada e computacional = : Computational and applied mathematics / / Sociedade Brasileira de Matemática Aplicada e Computacional
Pubbl/distr/stampa	Rio de Janeiro, Brasil, : Editora Campus, 1982-
Descrizione fisica	1 online resource
Disciplina	519.4/05
Soggetti	Numerical analysis Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed Published: Boston, Mass. : Birkhäuser, 1992-