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	Bioinformatics	
	Artificial Intelligence	
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Nota di contenuto	Talks Evolving Cellular Automata to Grow Microstructures An Innovative Application of a Constrained-Syntax Genetic Programming System to the Problem of Predicting Survival of Patients New Factorial Design Theoretic Crossover Operator for Parametrical Problem Overfitting or Poor Learning: A Critique of Current Financial Applications of GP Evolutionary Design of Objects Using Scene Graphs Ensemble Techniques for Parallel Genetic Programming Based Classifiers Improving Symbolic Regression with Interval Arithmetic and Linear Scaling Evolving Hierarchical and Recursive	

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	Teleo-reactive Programs through Genetic Programming Interactive GP for Data Retrieval in Medical Databases Parallel Programs Are More Evolvable than Sequential Programs Genetic Programming with Meta-search: Searching for a Successful Population within the Classification Domain Evolving Finite State Transducers: Some Initial Explorations Reducing Population Size while Maintaining Diversity How Functional Dependency Adapts to Salience Hierarchy in the GAuGE System More on Computational Effort Statistics for Genetic Programming Analysis of a Digit Concatenation Approach to Constant Creation Genetic Programming with Boosting for Ambiguities in Regression Problems Maximum Homologous Crossover for Linear Genetic Programming A Simple but Theoretically-Motivated Method to Control Bloat in Genetic Programming Divide and Conquer: Genetic Approach and Selection Using Genetic Programming and a Genetic Algorithm Genetic Programming Applied to Compiler Heuristic Optimization Modularity in Genetic Programming and a Genetic Algorithm Genetic Programming Applied to Compiler Heuristic Optimization Modularity in Genetic Programming Decreasing the Number of Evaluations in Evolutionary Algorithms by Using a Meta-model of the Fitness Function Posters Assembling Strategies in Extrinsic Evolvable Hardware with Bidirectional Incremental Evolution Neutral Variations Cause Bloat in Linear GP Experimental Design Based Multi-parent Crossover Operator An Enhanced Framework for Microprocessor Test-Program Generation The Effect of Plagues in Genetic Programming: A Study of Variable-Size Populations Grammatical Evolution with Bidirectional Representation Introducing a Perl Genetic Programming for Symbolic Regression Grammatical Evolution with Bidirectional Representation Introducing a Perl Genetic Programming System - and Can Meta-evolution Solve the Bloat Problem? Evolutionary Optimized Mold Temperature Control Strategies Using a Multi-polyline Approach Gen
Sommario/riassunto	In this volume we present the accepted contributions to the Sixth European Conference on Genetic Programming (EuroGP 2003) which took place at the University of Essex, UK on 14-16 April 2003. EuroGP is now a well-established conference and, without any doubt, the most important international event - voted to Genetic Programming occurring in Europe. The proceedings have all been published by Springer-Verlag in the LNCS series. EuroGP began as an - ternational workshop in Paris, France in 1998 (14–15 April, LNCS 1391). Sub- quently the workshop was held in G [°] oteborg, Sweden in 1999 (26–27 May, LNCS 1598) and then EuroGP became an annual conference: in 2000 in Edinburgh, UK (15–16 April, LNCS 1802), in 2001 in Lake Como, Italy (18–19 April, LNCS 2038) and in 2002 in Kinsale, Ireland (3–5 April, LNCS 2278). From the outset, there have always been specialized workshops, co-located with EuroGP, focusing on applications of evolutionary algorithms (LNCS 1468, 1596, 1803, 2037, and 2279). This year was no exception and EvoWorkshops 2003,

incorporatir	g Evo- BIO, EvoCOP, EvoIASP, EvoMUSART, EvoSTIM and
EvoROB, to	ook place at the University of Essex (LNCS 2611). Genetic
Programmi	ng (GP) is that part of Evolutionary Computation which
solves parti	cular complex problems or tasks by evolving and adapting
popu- tions	of computer programs, using Darwinian evolution and
Mendelian	genetics as a source of inspiration.