Record Nr. UNISA996466236703316 Evolutionary Programming VI [[electronic resource]]: 6th International **Titolo** Conference, EP 97, Indianapolis, Indiana, USA, April 13-16, 1997, Proceedings / / edited by Peter J. Angeline, Robert G. Reynolds, John R. McDonnell, Russ Eberhart Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, 1997 **ISBN** 3-540-68518-9 Edizione [1st ed. 1997.] Descrizione fisica 1 online resource (X, 466 p.) Collana Lecture Notes in Computer Science, , 0302-9743;; 1213 Disciplina 005.1 Soggetti Computer simulation Artificial intelligence Computer programming Computers Algorithms Computer communication systems Simulation and Modeling Artificial Intelligence **Programming Techniques** Computation by Abstract Devices Algorithm Analysis and Problem Complexity Computer Communication Networks Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di contenuto Complexity formalisms, order and disorder in the structure of art --Searching real-valued synaptic weights of Hopfield's associative memory using evolutionary programming -- The application of evolutionary computation to selected problems in molecular biology --PEPNet: Parallel evolutionary programming for constructing artificial neural networks -- Scaling behavior of the evolution strategy when evolving neuronal control architectures for autonomous agents --

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Sommario/riassunto

This book constitutes the refereed proceedings of the 6th International Conference on Evolutionary Programming, EP 97, held in Indianapolis, IN, USA, in April 1997. The 36 revised full papers presented were carefully selected for inclusion in the proceedings. The papers are organized in sections on evolutionary methods for modeling and training, alternative frameworks for the computational study of evolutionary social systems, genetic programming: issues and applications, issues in evolutionary optimization, enhanced evolutionary operators, theory and analysis of evolutionary computations, issues in adaptability: theory and practice, and evolution and NP-hard problems.