

Evolutionary Computation, Machine Learning and Data Mining in Bioinformatics

6th European Conference, EvoBIO 2008, Naples, Italy, March 26-28, 2008, Proceedings

The field of bioinformatics has two main objectives: the creation and maintenance of biological databases, and the discovery of knowledge from life sciences data in order to unravel the mysteries of biological function, leading to new drugs and therapies for human disease. Life sciences data come in the form of biological sequences, structures, pathways, or literature. One major aspect of discovering biological knowledge is to search, predict, or model specific information in a given dataset in order to generate new interesting knowledge. Computer science methods such as evolutionary computation, machine learning, and data mining all have a great deal to offer the field of bioinformatics. The goal of the 6th European Conference on Evolutionary Computation, Machine Learning, and Data Mining in Bioinformatics (EvoBIO 2008) was to bring together experts from these fields in order to discuss new and novel methods for tackling complex biological problems. The 6th EvoBIO conference was held in Naples, Italy on March 26-28, 2008 at the "Centro Congressi di Ateneo Federico II". EvoBIO 2008 was held jointly with the 11th European Conference on Genetic Programming (EuroGP 2008), the 8th European Conference on Evolutionary Computation in Combinatorial Optimisation (EvoCOP 2008), and the Evo Workshops. Collectively, the conferences and workshops were organized under the name Evo* (www.evostar.org).

The field of bioinformatics has two main objectives: the creation and maintenance of biological databases, and the discovery of knowledge from life sciences data in order to unravel the mysteries of biological function, leading to new drugs and therapies for human disease. Life sciences data come in the form of biological sequences, structures, pathways, or literature. One major aspect of discovering biological knowledge is to search, predict, or model specific information in a given dataset in order to generate new interesting knowledge. Computer science methods such as evolutionary computation, machine learning, and data mining all have a great deal to offer the field of bioinformatics. The goal of the 6th European Conference on Evolutionary Computation, Machine Learning, and Data Mining in Bioinformatics (EvoBIO 2008) was to bring together experts from these fields in order to discuss new and novel methods for tackling complex biological problems. The 6th EvoBIO conference was held in Naples, Italy on March 26-28, 2008 at the "Centro Congressi di Ateneo Federico II". EvoBIO 2008 was held jointly with the 11th European Conference on Genetic Programming (EuroGP 2008), the 8th European Conference on Evolutionary Computation in Combinatorial Optimisation (EvoCOP 2008), and the Evo Workshops. Collectively, the conferences and workshops were organized under the name Evo* (www.evostar.org).



53,49 €

49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540787563

Medium: Buch

ISBN: 978-3-540-78756-3

Verlag: Springer

Erscheinungstermin: 14.03.2008

Sprache(n): Englisch

Auflage: 2008

Serie: Lecture Notes in Computer Science

Produktform: Kartoniert

Gewicht: 359 g

Seiten: 213

Format (B x H): 155 x 235 mm

