

## Applications of Evolutionary Computing

EvoWorkshops 2006: EvoBIO, EvoCOMNET, EvoHOT, EvoIASP, EvoINTERACTION, EvoMUSART, and EvoSTOC, Budapest, Hungary, April 10-12, 2006, Proceedings

This book presents the refereed joint proceedings of seven workshops on evolutionary computing, EvoWorkshops 2006, held in Budapest in April 2006. 65 revised full papers and 13 revised short papers presented were carefully reviewed and selected from a total of 149 submissions. The book is organized in topical sections including evolutionary bioinformatics, evolutionary computation in communications, networks, and connected systems, and more.

Evolutionary computation (EC) techniques are efficient nature-inspired planning and optimization methods based on the principles of natural evolution and genetics. Due to their efficiency and the simple underlying principles, these methods can be used for a large number of problems in the context of problem solving, optimization, and machine learning. A large and continuously increasing number of researchers and practitioners make use of EC techniques in many application domains. This book presents a careful selection of relevant EC applications combined with thorough examinations of techniques for a successful application of EC. The presented papers illustrate the current state of the art in the application of EC and should help and inspire researchers and practitioners to develop efficient EC methods for design and problem solving. All the papers in this book were presented during EvoWorkshops 2006, which consisted of a varying collection of workshops on application-oriented aspects of EC. Since 1998, the format of the EvoWorkshops has proved to be very successful and to represent significant advances in the application areas of EC. As a result, over the last few years, EvoWorkshops has become one of the major events to focus solely on applicational aspects of EC, constituting an important link between EC research and the application of EC in a variety of domains. EvoWorkshops is co-located with EuroGP, the main European event dedicated to genetic programming, and EvoCOP, which has become the main European conference on evolutionary computation in combinatorial optimization. The proceedings for both of these events, EuroGP 2006 and EvoCOP 2006, are also available in the LNCS series (number 3905 and 3906).



**106,99 €**

99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

**Artikelnummer:** 9783540332374

**Medium:** Buch

**ISBN:** 978-3-540-33237-4

**Verlag:** Springer

**Erscheinungstermin:** 31.03.2006

**Sprache(n):** Englisch

**Auflage:** 1. Auflage 2006

**Serie:** Theoretical Computer Science and General Issues

**Produktform:** Kartoniert

**Gewicht:** 2570 g

**Seiten:** 816

**Format (B x H):** 155 x 235 mm

