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Proceedings of the ... Annual Conference on Evolutionary Programming- 1997

Evolutionary Programming VI- 1997

Parallel Problem Solving from Nature-PPSN VI-Marc Schoenauer 2007-12-07 We are proud to introduce the proceedings of the Sixth International Conference on Parallel Problem Solving from Nature, PPSN VI, held in Paris, France, on 18-20 September 2000. PPSN VI was organized in association with the Genetic and Evolutionary Computing Conference (GECCO'2000) and the Congress on Evolutionary Computation (CEC'2000), reflecting the beneficial interaction between the conference activities in Europe and in the USA in the field of natural computation. Starting in 1990 in Dortmund, Germany (Proceedings, LNCS vol. 496, Springer, 1991), this biannual meeting has been held in Brussels, Belgium (Proceedings, Elsevier, 1992), Jerusalem, Israel (Proceedings, LNCS vol. 866, Springer, 1994), Berlin, Germany (Proceedings, LNCS vol. 1141, Springer, 1996), and Amsterdam, The Netherlands (Proceedings, LNCS vol. 1498, Springer, 1998), where it was decided that Paris would be the location of the 2000 conference with Marc Schoenauer as the general chair. The scientific content of the PPSN conference focuses on problem solving paradigms gleaned from a natural models. Characteristic for Natural Computing is the metaphorical use of concepts, principles and mechanisms underlying natural systems, such as evolutionary processes involving mutation, recombination, and selection in natural evolution, annealing or punctuated equilibrium processes of many-particle systems in physics, growth processes in nature and economics, collective intelligence in biology, DNA-based computing in molecular chemistry, and multi-cellular behavioral processes in neural and immune networks.

Advances in Evolutionary and Deterministic Methods for Design, Optimization and Control in Engineering and Sciences-David Greiner 2014-11-14 This book contains state-of-the-art contributions in the field of evolutionary and deterministic methods for design, optimization and control in engineering and sciences. Specialists have written each of the 34 chapters as extended versions of selected papers presented at the International Conference on Evolutionary and Deterministic Methods for Design, Optimization and Control with Applications to Industrial and Societal Problems (EUROGEN 2013). The conference was one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS). Topics treated in the various chapters are classified in the following sections: theoretical and numerical methods and tools for optimization (theoretical methods and tools; numerical methods and tools) and engineering design and societal applications (turbo machinery; structures, materials and civil engineering; aeronautics and astronautics; societal applications; electrical and electronics applications), focused particularly on intelligent systems for multidisciplinary design optimization (mDO) problems based on multi-hybridized software, adjoint-based and one-shot methods, uncertainty quantification and optimization, multidisciplinary design optimization, applications of game theory to industrial optimization problems, applications in structural and civil engineering optimum design and surrogate models based optimization methods in aerodynamic design.

Evolvable Systems: From Biology to Hardware-Moshe Sipper 1998-08-26 This book constitutes the refereed proceedings of the Second International Conference on Evolvable Systems: From Biology to Hardware, ICES '98, held in Lausanne, Switzerland in September 1998. The 38 revised papers presented were carefully selected for inclusion in the book from numerous submissions. The papers are organized in topical sections on evaluation of digital systems, evolution of analog systems, embryonic electronics, bio-inspired systems, artificial neural networks, adaptive robotics, adaptive hardware platforms, and molecular computing.

Genetic And Evolutionary Computation- GECCO 2004-Kalyanmoy Deb 2004-01-01 Most MOEA search methods in order to maintain diversity for the non-dominated solutions on the Pareto optimal front. By ensuring diversity among the non-dominated solutions, it is possible to choose from a variety of solutions when attempting to solve a specific problem at hand. Suppose we have two objective functions $f(x)$ and $g(x)$. In this case, we can define the distance metric as the Euclidean distance in objective space between two neighboring individuals and we thus obtain a distance given by $d(x, x') = \sqrt{f(x)^2 + g(x')^2}$. (1) $d(x, x') = \sqrt{f(x)^2 + g(x')^2}$ where x and x' are two distinct individuals that are neighboring in objective space. If the functions are badly scaled, e.g. $f(x) = [x]$ and $g(x) = [x^2]$, the distance metric can be approximated to $d(x, x') \approx |f(x) - f(x')|$. (2) $d(x, x') \approx |f(x) - f(x')|$ In some cases, this approximation will result in an acceptable spread of solutions along the Pareto front, especially for small gradual slope changes as shown in the illustrated example in Fig. 1. Fig. 1. Fronts with small gradual slope changes can be obtained even if one of the objectives (in this case f) is neglected from the distance calculations. As can be seen in the figure, the distances marked by the arrows are not equal, but the solutions can still be seen to cover the front relatively well.

Applications of Soft Computing-Bruno Bosacchi 1997

Electrical & Electronics Abstracts- 1997

Computers and Artificial Intelligence- 1999

Evolvable Systems- 1998

Genetic and Evolutionary Computation Conference- 2005

Genetic and Evolutionary Computation Conference-Hans-Georg Beyer 2005

Advances in Artificial Intelligence- 2004

GECCO-2001-Lee Spector 2001

Proceedings of the Genetic and Evolutionary Computation Conference- 2001

American Book Publishing Record- 2002

Genetic Programming- 2003

1998 IEEE International Conference on Evolutionary Computation Proceedings-IEEE Neural Networks Council 1998 This collection of papers from the ICEC conference covers a wide range of aspects of evolutionary computing. This includes principles of evolutionary computation such as adaptation and self-adaption, variation operators, representational issues, and theoretical investigations.

Genetic Programming-EuroGP 2001-04-04 This book constitutes the refereed proceedings of the 4th European Conference on Genetic Programming, EuroGP 2001, held at Lake Como, Italy in April 2001. The 17 revised full papers and 13 research posters presented were carefully reviewed and selected during a rigorous double-blind refereeing process out of 42 submissions. All current aspects of genetic programming are addressed, ranging from theoretical and foundational issues to applications in a variety of fields such as robotics, artificial retina, character recognition, financial prediction, digital filter and electronic circuit design, image processing, data fusion, and bio-sequencing.

Proceedings of the ... Congress on Evolutionary Computation- 2004

Machine Learning, ECML- ...- 2004

Parallel Problem Solving from Nature--PPSN ...- 2004

International Journal of Computer and Engineering Management- 1993

Evolution and Optimum Seeking-Hans-Paul Schwefel 1995-01-23 Disk includes all procedures used for the test series on evolutionary computation from the 1970's.

Advances in Intelligent Data Analysis VI-A. Fazel Famili 2005-08-30 This book constitutes the refereed proceedings of the 6th International Conference on Intelligent Data Analysis, IDA 2005, held in Madrid, Spain in September 2005. The 46 revised papers presented together with two tutorials and two invited talks were carefully reviewed and selected from 184 submissions. All current aspects of this interdisciplinary field are addressed; the areas covered include statistics, machine learning, data mining, classification and pattern recognition, clustering, applications, modeling, and interactive dynamic data visualization.

6th International R&D Conference, Sustainable Development of Water and Energy Resources, Needs and Challenges, 13-16 February 2007, Lucknow, India : Proceedings: Energy- 2007 Contributed articles presented at the Conference. Mathematical Reviews- 2005

Intelligent Autonomous Vehicles 2001 (IAV 2001)-Hajime Asama 2002 This proceedings volume contains the papers from the 4th IFAC Symposium on Intelligent Autonomous Vehicles that was held in Sapporo, Japan, in September 2001. This collection covers various aspects of intelligent autonomous vehicles such as design, planning, computational scheme, architecture, vision, recognition, modelling and control. It also looks at system technologies such as emergence systems, co-operative robots, applications to agricultural vehicles, field robots, factory and office vehicles, soccer robots, nursing vehicles, marine vehicles, aero- and spacecrafts in the air.

Introduction to Optimization and Multidisciplinary Design-Jacques Periaux 2006

Engineering Societies in the Agents World VI-Oguz Dikenelli 2006-06-02 This book constitutes the thoroughly refereed post-proceedings of the 6th International Workshop on Engineering Societies in the Agents World, ESAW 2005. The book presents 15 revised full papers together with 3 invited papers, organized in topical sections on agent oriented system development, methodologies for agent societies, deliberative agents and social aspect, agent oriented simulation, adaptive systems, coordination, negotiation, protocols, and agents, networks and ambient intelligence.

□□□□- 2002

Lecture series- 2006

Index of Conference Proceedings-British Library. Document Supply Centre 1999

The Cumulative Book Index- 1996 A world list of books in the English language.

Intelligent Autonomous Vehicles- 2001

Evolutionary Computation-David B. Fogel 1998-05-15 Although evolutionary computation has only been a popular topic for the last 20 years, it actually has antecedents back in the '50s. This is the first text to present the most significant and historic papers on evolutionary computation ranging from the '50s to the early '90s. Features a comprehensive bibliography of the available literature in the field.

Artificial Life- 2003 Consists of the proceedings of: 1987, Interdisciplinary Workshop on the Synthesis and Simulation of Living Systems; 1990-1992, Artificial Life Workshop; 1994-1996, International Workshop on the Synthesis and Simulation of Living Systems; 1998- , International Conference on Artificial Life.

Directory of Published Proceedings- 2002

Genetic and Evolutionary Computation for Image Processing and Analysis-Stefano Cagnoni 2008

International Books in Print- 1997

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