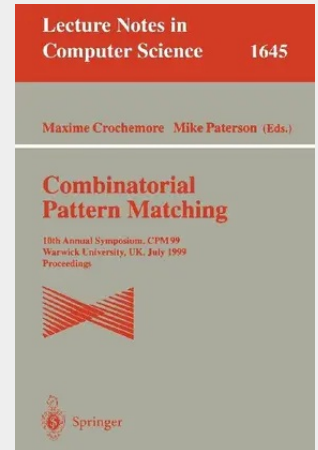


Combinatorial Pattern Matching

10th Annual Symposium, CPM 99, Warwick University, UK, July 22-24, 1999 Proceedings

The papers contained in this volume were presented at the Tenth Annual Symposium on Combinatorial Pattern Matching, held July 22 { 24, 1999 at the University of Warwick, England. They were selected from 26 abstracts submitted in response to the call for papers. In addition, invited lectures were given by Joan Feigenbaum from AT&T Labs Research (Massive graphs: algorithms, applications, and open problems) and David Jones from the Department of Biology, University of Warwick (Optimizing biological sequences and protein structures using simulated annealing and genetic algorithms). The symposium was preceded by a two-day summer school set up to attract and train young researchers. The lecturers of the school were Alberto Apostolico (Computational Theories of Surprise), Joan Feigenbaum (Algorithmics of network-generated massive datasets), Leszek Gasieniec and Paul Goldberg (The complexity of gene placement), David Jones (An introduction to computational molecular biology), Arthur Lesk (Structural alignment and maximal substructure extraction), Cenk Sahinalp (Quest for measuring distance between strings: exact, approximate, and probabilistic algorithms), and Jim Storer. Combinatorial Pattern Matching (CPM) addresses issues of searching and matching strings and more complicated patterns such as trees, regular expressions, graphs, point sets, and arrays. The goal is to derive non-trivial combinatorial properties of such structures and to exploit these properties in order to achieve superior performance for the corresponding computational problems. Over recent years, a steady flow of high-quality research on this subject has changed a sparse set of isolated results into a fully-fledged area of algorithmics.

The papers contained in this volume were presented at the Tenth Annual Symposium on Combinatorial Pattern Matching, held July 22 { 24, 1999 at the University of Warwick, England. They were selected from 26 abstracts submitted in response to the call for papers. In addition, invited lectures were given by Joan Feigenbaum from AT&T Labs Research (Massive graphs: algorithms, applications, and open problems) and David Jones from the Department of Biology, University of Warwick (Optimizing biological sequences and protein structures using simulated annealing and genetic algorithms). The symposium was preceded by a two-day summer school set up to attract and train young researchers. The lecturers of the school were Alberto Apostolico (Computational Theories of Surprise), Joan Feigenbaum (Algorithmics of network-generated massive datasets), Leszek Gasieniec and Paul Goldberg (The complexity of gene placement), David Jones (An introduction to computational molecular biology), Arthur Lesk (Structural alignment and maximal substructure extraction), Cenk Sahinalp (Quest for measuring distance between strings: exact, approximate, and probabilistic algorithms), and Jim Storer. Combinatorial Pattern Matching (CPM) addresses issues of searching and matching strings and more complicated patterns such as trees, regular expressions, graphs, point sets, and arrays. The goal is to derive non-trivial combinatorial properties of such structures and to exploit these properties in order to achieve superior performance for the corresponding computational problems. Over recent years, a steady flow of high-quality research on this subject has changed a sparse set of isolated results into a fully-fledged area of algorithmics.



53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540662785
Medium: Buch
ISBN: 978-3-540-66278-5
Verlag: Springer
Erscheinungstermin: 14.07.1999
Sprache(n): Englisch
Auflage: 1999
Serie: Lecture Notes in Computer Science
Produktform: Kartoniert
Gewicht: 476 g
Seiten: 304
Format (B x H): 155 x 235 mm

