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About the Book

The proceedings features several key-note addresses in the areas of advanced information processing tools. This area has been recognized to be one of the key five technologies poised to shape the modern society in the next decade. It aptly focuses on the tools and techniques for the development of Information Systems. Emphasis is on pattern recognition and image processing, software engineering, mobile ad hoc networks, security aspects in computer networks, signal processing and hardware synthesis, optimization techniques, data mining and information processing.

Salient Features

Salient Features:

- ▶ Divided in 8 sections; it is spread in 79 articles dealing with topics like pattern recognition and image processing, software engineering, mobile ad hoc networks, security aspects in computer networks, etc.
- ▶ The focus of the volume is to present the tools and techniques for the development of information systems from various perspectives.
- ▶ Each article is replete with an abstract, keywords, an introductory section, a concluding section and references, apart from the treatment of the topic per se.

Table of Contents

The present treatise spread in 79 contributions from the experts covers the following topics:

- ▶ Data Mining and Information Retrieval
 - ▶ Information Processing and Pattern Recognition
 - ▶ Software Engineering
 - ▶ Web Services
 - ▶ Networks and Optimization
 - ▶ Algorithms
 - ▶ Soft Computing
 - ▶ Bio and Medical Informatics
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