Preface

This research book provides the reader with a selection of high-quality texts dedicated to current progress, new developments and research trends in feature selection for data and pattern recognition. In particular, this volume points to a number of advances topically subdivided into four parts:

- estimation of importance of characteristic features, their relevance, dependencies, weighting and ranking;
- rough set approach to attribute reduction with focus on relative reducts;
- construction of rules and their evaluation;
- and data- and domain-oriented methodologies.

The volume presents one introductory and 13 reviewed research papers, reflecting the work of 29 researchers from 11 countries, namely Australia, Canada, Germany, Greece, Hungary, Italy, Japan, Malaysia, Poland, Slovenia and USA.

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