

## **International Conference on Soft Computing and Distributed Processing**

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In this special issue of *Fundamenta Informaticae* the reader finds five selected full papers based on contributions to the *International Conference on Soft Computing and Distributed Processing* (SCDP'2002) that was held in June 2002, in Rzeszów (Poland). A complete collection of 41 contributions has been published in the SCDP'2002 Proceedings by the University of Information Technology and Management (UITM) in Rzeszów. The SCDP'2002 conference stemmed from annual workshops on computer systems and networks organized in the period 1997-2001 at the UITM in Rzeszów.

The contributions encompass various topics, like logical and topological aspects of rough sets, rough sets and Petri nets, rough sets in modeling of decision systems, and optimization of decision trees.

Mikhail Ju. Moshkov and Igor V. Chikalov present in *Consecutive Optimization of Decision Trees Concerning Various Complexity Measures* the algorithms that make it possible to optimize decision trees with respect to different criterions.

Krzysztof Pancercz and Zbigniew Suraj discuss in *Discovery of Asynchronous Concurrent Models from Experimental Tables* a new method for discovery of asynchronous concurrent models from experimental tables by using the rough set approach.

Roman Pindur, Robert Susmaga and Jerzy Stefanowski describe in *Aggregation of Dominance Decision Rules by Hyperplanes* the multiple criteria decision aid based on decision rules generated from examples of sorting.

Jarosław Stepaniuk and Piotr Hońko propose and investigate in *Learning First-Order Rules: A Rough Set Approach* the RSRL algorithm for finding first-order rules.

Robert Susmaga considers in *Reducts and Constructs in Attribute Reduction* the topological aspects of relative reducts, identifying some of their limitations and introducing alternative definitions that do not suffer from these limitations.

I would like to thank all the authors and referees for their contribution, the authorities of the UITM in Rzeszow for the financial support of the conference as well as those colleagues from the Chair of Computer Science Foundations of the UITM, who helped in making the SCDP'2002 conference possible.

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