# Contents

## Chapter 3.

**An intuitionistic fuzzy set based approach to intelligent data analysis: an application to medical diagnosis**

*Eulalia Szmidt and Janusz Kacprzyk*



## Chapter 4.

**A fuzzy inference methodology based on the fuzzification of set inclusion**

*Chris Cornelis and Etienne E. Kerre*



## Chapter 5.

**A fuzzy approach to job-shop scheduling problem based on imprecise processing times**

*Feng-Tse Lin*

## Chapter 6.

**On efficient representation of expert knowledge by fuzzy logic**

*Hung T. Nguyen and Vladik Kreinovich*



## Chapter 7.

**Discovering efficient learning rules for feedforward neural networks using genetic programming**

*Amr Radi and Riccardo Poli*



## Chapter 8.

**Neuro-fuzzy methods for modeling and identification**

*Robert Babuska*

## Chapter 9.

## Constrained two dimensional bin packing using a genetic algorithm

*Wee Sng Khoo, P. Saratchandran and N. Sundararajan*

## Chapter 10.

**Sequential and distributed evolutionary algorithms for combinatorial optimization problems**

*Enrique Alba and Sami Khuri*



## Chapter 11.

**Embodied emotional agent in intelligent training system**

*R. Nkambou , Y. Laporte , R. Yatchou and G. Gouradères*

## Chapter 12.

## Optimizing intelligent agent's constraint satisfaction with neural networks

*Arpad Kelemen, Yulan Liang, Robert Kozma, Stan Franklin*