Grzegorz J. Nalepa

Modeling with Rules Using Semantic Knowledge Engineering

Series: Intelligent Systems Reference Library

- **Provides an academic, yet practical perspective on knowledge engineering with rule-based systems**
- **Systematically presents the author's research results in the area of intelligent rule-based systems**
- **Focuses on the semantic knowledge engineering (SKE) approach**
- **Is enriched with selected examples of intelligent system design**

This book proposes a consistent methodology for building intelligent systems. It puts forward several formal models for designing and implementing rules-based systems, and presents illustrative case studies of their applications. These include software engineering, business process systems, Semantic Web, and context-aware systems on mobile devices. Rules offer an intuitive yet powerful method for representing human knowledge, and intelligent systems based on rules have many important applications. However, their practical development requires proper techniques and models - a gap that this book effectively addresses.

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