Contemporary Theory and Pragmatic Approaches in Fuzzy Computing Utilization

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Real world problems are complex and full of uncertainty. Fuzzy computing technologies embedded into data analysis methodologies and decision-making processes help to address the complexity of these problems.

Contemporary Theory and Pragmatic Approaches in Fuzzy Computing Utilization presents the most innovative systematic and practical facets of fuzzy computing technologies to students, scholars, and academicians, as well as practitioners, engineers, and professionals. This premier reference source focuses on up-to-date theoretical views of fuzzy computing while highlighting empirical approaches useful to real world utilization.

Topics Covered:
- Computer vision
- Data analysis and data mining
- Decision support systems
- Evolutionary computing
- Fuzzy clustering
- Fuzzy pattern recognition
- Knowledge discovery
- Neural systems
- Robotics
- System and control engineering

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Toly Chen received the B.S. degree, the M.S. degree and the Ph.D. degree in industrial engineering from National Tsing Hua University. He is now a Professor in the Department of Industrial Engineering and Systems Management of Feng Chia University, an IEEE member and an IIE senior member. Dr. Chen received IEA/AIE Best Paper Award from International Society of Applied Intelligence in 2009. He has more than one hundred publications in journals such as Computers and Industrial Engineering, Fuzzy Sets and Systems, International Journal of Advanced Manufacturing Technology, European Journal of Operational Research, Journal of Intelligent Manufacturing, Neurocomputing, Intelligent Data Analysis, International Journal of Innovative Computing, Information and Control and Applied Soft Computing. He is also on the editorial boards of several journals.