



## Unifying Computing and Cognition: The SP Theory and Its Applications (Paperback)

By J.Gerard Wolff

Cognitionresearch.Org.UK, United Kingdom, 2006. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The SP theory - which has been under development since 1987 - is a radical synthesis of ideas across human perception, cognition and development, artificial intelligence, computer science, theoretical linguistics, neuroscience, mathematics, logic, and epistemology. It is a theory of information processing in all kinds of system, both natural and artificial, a new paradigm for information processing which incorporates principles of minimum length encoding pioneered by Solomonoff, Kolmogoroff, Wallace, Rissanen, and others, but which is built from new foundations and differs at a fundamental level from any existing theory or system. The SP theory has a dual role. It is a theory of engineering, the basis for a proposed SP machine with applications in artificial intelligence and in data storage and retrieval. At the same time, it is a theory of information processing in brains and nervous systems both at an abstract level and at the more concrete level of neurons and neural processing. The theory and its applications - which are the subject of this book - will be of interest to a wide range of researchers, academics, professionals and students in...



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