CONTENTS

PERSPECTIVES

A Dialogue on Ill-Defined Control
Humans and Their Relation to Ill-Defined Systems
Some Themes and Primitives in Ill-Defined Systems
The Use of Optimal Control in Economics
Biological Views of Adaptation - Some Historical Accounts 3 F.E. Yates
CONTROL THEORY AND NON-LINEAR ANALYSIS
Adaptive Behavior in Manual Control and the Optimal Control Model
Regulation, Feedback and Internal Models
The Dynamics of Adaptation in Living Systems
ARTIFICIAL INTELLIGENCE
Adaptive Control: From Feedback to Debugging
The Role of the Critic in Learning Systems

×	CONTENTS	

Examples and Learning Systems				
Conceptual Models of Ill-Defined Systems				
MOTOR SKILLS				
Creativity in Skilled Performance				
The Concepts of 'Adaptation' and 'Attunement' in Skill Learning				
Visuomotor Coordination: From Neural Nets to Schema Theory				
LANGUAGE ACQUISITION AND ADAPTATION				
Richly Specified Input to Language Learning				
The Sensible Brain: Adaptation as a Positive and as a Negative Factor in the Reorganization of Neuropsychological Systems After Brain Damage 251 P. Lavorel				
DEVELOPMENT AND EVOLUTION				
Piaget and Education				
Implications and Applications of Piaget's Sensorimotor				
Concepts				
Failure is Not the Spur				
Genetic Algorithms and Adaptation				
CONTRIBUTORS				
AUTHOR INDEX				
SUBJECT INDEX				