Introduction

From Sensorimotor to Higher-Level Cognitive Processes: An Introduction to Anticipatory Behavior Systems

Anticipation in Psychology: Focus on the Ideomotor View

ABC: A Psychological Theory of Anticipative Behavioral Control

Anticipative Control of Voluntary Action: Towards a Computational Model

Theoretical and Review Contributions


Steps to a Cyber-Physical Model of Networked Embodied Anticipatory Behavior

Neural Pathways of Embodied Simulation

Anticipation and Dynamical Systems

The Autopoietic Nature of the "Inner World": A Study with Evolved "Blind" Robots

The Cognitive Body: From Dynamic Modulation to Anticipation

Computational Modelling of Psychological Processes in the Individual and Social Domains

A Neurocomputational Model of Anticipation and Sustained Inattentinal Blindness in Hierarchies

Anticipation of Time Spans: New Data from the Foreperiod Paradigm and the Adaptation of a Computational Model

Collision-Avoidance Characteristics of Grasping: Early Signs in Hand and Arm Kinematics

The Role of Anticipation on Cooperation and Coordination in Simulated Prisoner's Dilemma Game Playing

Behavioral and Cognitive Capabilities Based on Anticipation

A Two-Level Model of Anticipation-Based Motor Learning for Whole Body Motion

Space Perception through Visuokinesthetic Prediction

Anticipatory Driving for a Robot-Car Based on Supervised Learning

Computational Frameworks and Algorithms for Anticipation, and Their Evaluation

Prediction Time in Anticipatory Systems

Multiscale Anticipatory Behavior by Hierarchical Reinforcement Learning

Anticipatory Learning Classifier Systems and Factored Reinforcement Learning

Author Index

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.