



Human Motor Control (Hardback)

By David A. Rosenbaum

Elsevier Science Publishing Co Inc, United States, 2009. Hardback. Condition: New. 2nd edition. Language: English . Brand New Book. Motor Control is a complex process that involves the brain, muscles, limbs, and often external objects. It underlies motion, balance, stability, coordination, and our interaction with others and technology. This book is a comprehensive introduction to motor control, covering a complex topic in an approachable way encompassing the psychological, physiological, and computational approaches to motor control. Human Motor Control, 2e cuts across all movement related disciplines: physical education, dance, physical therapy, robotics, etc. This second edition incorporates advances to the field, and integrates throughout the book how research harkens back to four critical questions: how do we select our actions of the many actions possible? How are these behaviors sequenced for appropriate order and timing between them? How does perception integrate with motor control? And how are perceptual-motor skills acquired? As before, the book retains its signature organization around activity systems. These activity systems include walking, looking, reaching, drawing and writing, keyboarding, speaking and singing, and smiling. Chapters here exemplify rather than encompass all the behaviors related to them. Hence smiling discusses physical and neural control of the face used in other...



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