Preface

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The European Brain and Behavior Society (EBBS) Workshop on Sensory to Motor Transformation -Premotor Mechanisms convened at Zichron Yaacov, Israel, May 26-29, 1986. It brought together scientists from around the world, members and nonmembers of EBBS, representing many centers of research. Such participation reflects the increased interest in recent years in sensorimotor transformation and the fact that focus on this area has matured from mere reflexology to a discipline encompassing complex interactions between brain and the control systems for hand, eye, and head movements and their combined complex coordinated movements. In this context, the field has influenced, and has been influenced by, the recent saltatory advances in robotics and artificial intelligence. In addition to physiologists, the participants, therefore, included scientists oriented towards engineering and mathematics. To the credit of EBBS, a large number of young researchers and advanced students were able to participate thanks to organizational support.

The workshop focused on six subtopics: (1) Execution of Movements; (2) Preparation of Eye Movements; (3) Preparation of Goal-Directed Limb Move-

ments; (4) Preparation of Combined and Complex Movements; (5) Emotion and Motion, and (6) Insights from Lesion Data - Human and Animal. The papers comprising the proceedings are arranged accordingly.

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