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5. Robots with a mental life1. Mental life as the self-generation of sensory inputs; 2. Mental images; 3. Robots that predict; 4. Predicting and anticipating; 5. Evaluating the predicted consequences of one's actions; 6. Freedom of the will; 7. Predicted sensory inputs replace missing sensory input; 8. Other consequences of the ability to predict; 9. Talking to oneself; 6. Social robots; 1. There is no social robotics today; 2. Living together; 3. Why not live together; 4. Socially damaging behaviours and how to contain them; 5. Why live together: Groups as information centres

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5. The evolution of artefacts

Sommario/riassunto

This book is for both robot builders and scientists who study human behaviour and human societies. Scientists do not only collect empirical data but they also formulate theories to explain the data. Theories of human behaviour and human societies are traditionally expressed in words but, today, with the advent of the computer they can also be expressed by constructing computer-based artefacts. If the artefacts do what human beings do, the theory/blueprint that has been used to construct the artefacts explains human behaviour and human societies. Since human beings are primarily bodies, the art

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Sommario/riassunto

This book fills a void in the market by describing current knowledge in electrical safety as industry needs electrical engineers who have been trained in safety engineering education. Electrical safety is an often-neglected area of electrical power engineering, and electrical safety measures in industry are not always applied in electrical engineering laboratories of educational institutions. Since the industry is in need of electrical engineers who have been properly trained in safety engineering education, Sutherland has presented several up-to-date topics in the field. . Provides a high-level introduction to the educated electrical engineer in any field who needs to know about electrical safety. Presents the subject of electrical safety to a wider audience. Includes an introduction to theory followed by a series of practical applications. Examines the electrical fundamentals of resistance, inductance and capacitance as applied to the human body. With an in-depth evaluation of electrical engineering safety measures, this book is designed to become part of the preparation of every current and future engineer. Principles of Electrical Safety will also be a suitable guide for lab setting in academic institutions.
