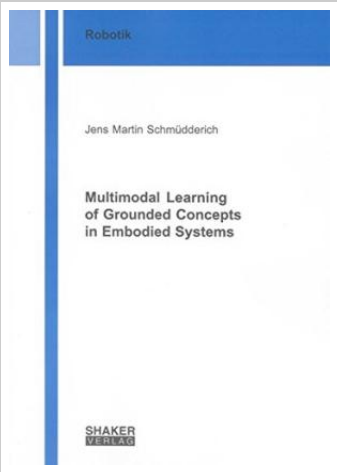

Multimodal Learning of Grounded Concepts in Embodied Systems

By Jens M Schmüdderich

Shaker Verlag Mai 2010, 2010. Taschenbuch. Condition: Neu. Neuware - The research of methods equipping a technical system with the ability to learn mental concepts of objects, properties, or actions is an important step towards the understanding of intelligence. A special challenge arises from the variety of different characteristics whose association forms our understanding of a concept. For example the concept of a table might comprise a decisive collection of planarity, height, size, the action of placing something on the surface, and the speech label used to refer to the table. In the last decade the growing awareness that concepts must be linked to the real world has led to several approaches capable of learning concepts from interaction. However, most of these systems require supervision during the learning process; others lack the scalability required to span the variety of possible associations forming a concept. An important research question that has been vastly neglected concerns the visual perception: How can a system segregate objects from its surrounding, if it lacks any knowledge about their appearance In recent approaches this question has been avoided by constraining the learning scenario to more or less static platforms observing objects on a uniformly colored table....

Reviews

Extensive manual! Its this type of great read through. This can be for all who statte there was not a worth reading. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- ***Dr. Furman Becker V***

It is an incredible publication i actually have actually go through. I really could comprehended everything out of this composed e pdf. Its been designed in an exceedingly simple way and is particularly just following i finished reading this publication where actually changed me, alter the way i think.

-- ***Prof. Colton Jakubowski IV***