Recognizing Intentions

By Daniel Aarno

VDM Verlag Dr. Mueller e.K. Paperback. Condition: New. 116 pages. Dimensions: 9.0in. x 6.0in. x 0.2in.Robot systems have been used extensively during the last decades to provide automation solutions in a number of areas. Most of the currently deployed automation systems are limited in that the tasks they can solve are required to be repetitive and predicable. Therefore the robotics and artificial intelligence research communities have made significant research efforts to produce more intelligent machines. Although significant progress has been made towards achieving robots that can interact in a human environment there are currently no system that comes close to achieving the reasoning capabilities of humans. In order to reduce the complexity of the problem some researchers have proposed an alternative to creating fully autonomous robots capable of operating in human environments. The proposed alternative is to allow fusion of human and machine capabilities. Segmentation and recognition of operator generated motions can be used to provide appropriate assistance during task execution in teleoperative and human-machine collaborative settings. This book describes research towards enabling improved human-machine collaboration using intention recognition. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

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