



Machine Intelligence and Knowledge Engineering for Robotic Applications

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Book Condition: New. Publisher/Verlag: Springer, Berlin | Proceedings of the NATO Advanced Research Workshop on Machine Intelligence and Knowledge Engineering for Robotic Applications held at Maratea, Italy, May 12-16, 1986 | This book is the outcome of the NATO Advanced Research Workshop on Machine Intelligence and Knowledge Engineering for Robotic Applications held at Maratea, Italy in May 1986. Attendance of the workshop was by invitation only. Most of the participants and speakers are recognized leaders in the field, representing industry, government and academic community worldwide. The focus of the workshop was to review the recent advances of machine intelligence and knowledge engineering for robotic applications. It covers five main areas of interest. They are grouped into five sections: 1. Robot Vision 2. Knowledge Representation and Image Understanding 3. Robot Control and Inference Systems 4. Task Planning and Expert Systems 5. Software/Hardware Systems Also included in this book are a paper from the Poster Session and a brief report of the panel discussion on the Future Direction in Knowledge-Based Robotics. Section I of this book consists of four papers. It begins with a review of the basic concepts of computer vision, with emphasis on techniques specific for robot vision systems....



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