



Information Processing in Autonomous Mobile Robots: Proceedings of the International Workshop March 6 8, 1991 Technische Universität Munchen Germany

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Autonomous mobile robot technologies are generating significant interest because of their potential capabilities for future applications on the plant floor as well as in the service industry. Autonomous robots may navigate around factories and laboratories, hospitals, office-buildings, airports or similar public and semipublic places. They may deliver equipment, collect garbage and perform other such tasks. One of the major challenges for the field of autonomous mobile robot research is to develop robust and real-time systems for perception and understanding of complicated real environments as well as for intelligent decision-making with respect to proper actions. This Workshop was set up to stimulate discussion and the exchange of new ideas on various aspects of autonomous mobile robot methodologies and applications. The main focal points of the Workshop program were sensing and perception, navigation and control, knowledge bases and computer architectures as well as various applications. The papers are prepared by leading experts in these areas from Europe, Japan, the United States and...



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