Machine Vision and Applications
An International Journal

Volume 7  Number 3  1994

Special Section
Innovative applications of computer vision
Editor: B. Bhanu

125 Introduction
127 F.-R. Schell, E. D. Dickmanns
Autonomous landing of airplanes by dynamic machine vision
135 P. Perner
A knowledge-based image-inspection system for automatic defect recognition, classification, and process diagnosis
148 N. Ebi, B. Lauterbach, W. Anheier
An image analysis system for automatic data acquisition from colored scanned maps
165 M. Xie, L. Trassoudaine, J. Alizon, J. Gallice
Road obstacle detection and tracking by an active and intelligent sensing strategy
178 B. H. Khalaj, H. K. Aghajan, T. Kailath
Patterned wafer inspection by high resolution spectral estimation techniques

Regular papers
187 L. Brem, N. Nandhakumar
A machine vision system for enhancing the teleoperation of an industrial robot
199 M. Ioka, M. Kurokawa
Estimation of motion vectors and their application to scene retrieval
209 S. C. Hwang, H. S. Yang
A high-quality 3D multiview model-building technique based on CAD
217 About the Authors

Springer International