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Soggetti	Signal processing Image processing Speech processing systems Optical data processing Computational intelligence Signal, Image and Speech Processing Image Processing and Computer Vision Computational Intelligence
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Nota di contenuto	Introduction -- A Comprehensive Survey on Image Binarization Techniques -- A New Image Binarization Technique using Iterative Partitioning -- A Framework for Creating Reference Image for Degraded Document Images -- Image Binarization and Its Applications -- Conclusions.
Sommario/riassunto	The book focuses on an image processing technique known as binarization. It provides a comprehensive survey over existing binarization techniques for both document and graphic images. A number of evaluation techniques have been presented for quantitative comparison of different binarization methods. The book provides results obtained comparing a number of standard and widely used binarization algorithms using some standard evaluation metrics. The comparative results presented in tables and charts facilitates understanding the process. In addition to this, the book presents techniques for preparing a reference image which is very much important for quantitative evaluation of the binarization techniques.

The results are produced taking image samples from standard image databases.

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