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Titolo	Ethics in oncology nursing // edited by Jeanne M. Erickson, Kate Payne
Pubbl/distr/stampa	Pittsburgh, Pennsylvania : , : Oncology Nursing Society, , 2016 ©2016
ISBN	1-935864-82-3
Descrizione fisica	1 online resource (200 pages) : illustrations
Disciplina	610.73698
Soggetti	Cancer - Nursing Nursing ethics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Principles of ethics -- Medical research and clinical trials -- Treatment decision making -- Palliative and end-of-life care -- Patient advocacy -- Communication and ethics -- Genetics and genomics -- The impact of ethical conflict and dilemmas on nurses -- Ethics consultation and education.

2. Record Nr.	UNINA9910792280303321
Autore	Dawson-Howe Kenneth
Titolo	A Practical Introduction to Computer Vision with OpenCV
Pubbl/distr/stampa	Hoboken, : Wiley, 2014
ISBN	1-118-84873-X
Edizione	[1st edition]
Descrizione fisica	1 online resource (235 p.)
Collana	New York Academy of Sciences
Classificazione	COM016000
Disciplina	006.3/7 006.37
Soggetti	Computer vision - Computer programs Computer vision Engineering & Applied Sciences Applied Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A Practical Introduction to Computer Vision with OpenCV; Contents; Preface; 1 Introduction; 1.1 A Difficult Problem; 1.2 The Human Vision System; 1.3 Practical Applications of Computer Vision; 1.4 The Future of Computer Vision; 1.5 Material in This Textbook; 1.6 Going Further with Computer Vision; 2 Images; 2.1 Cameras; 2.1.1 The Simple Pinhole Camera Model; 2.2 Images; 2.2.1 Sampling; 2.2.2 Quantisation; 2.3 Colour Images; 2.3.1 Red-Green-Blue (RGB) Images; 2.3.2 Cyan-Magenta-Yellow (CMY) Images; 2.3.3 YUV Images; 2.3.4 Hue Luminance Saturation (HLS) Images; 2.3.5 Other Colour Spaces 2.3.6 Some Colour Applications 2.4 Noise; 2.4.1 Types of Noise; 2.4.2 Noise Models; 2.4.3 Noise Generation; 2.4.4 Noise Evaluation; 2.5 Smoothing; 2.5.1 Image Averaging; 2.5.2 Local Averaging and Gaussian Smoothing; 2.5.3 Rotating Mask; 2.5.4 Median Filter; 3 Histograms; 3.1 1D Histograms; 3.1.1 Histogram Smoothing; 3.1.2 Colour Histograms; 3.2 3D Histograms; 3.3 Histogram/Image Equalisation; 3.4 Histogram Comparison; 3.5 Back-projection; 3.6 k-means Clustering; 4 Binary Vision; 4.1 Thresholding; 4.1.1 Thresholding Problems; 4.2 Threshold Detection Methods; 4.2.1 Bimodal Histogram Analysis 4.2.2 Optimal Thresholding 4.2.3 Otsu Thresholding; 4.3 Variations on Thresholding; 4.3.1 Adaptive Thresholding; 4.3.2 Band Thresholding;

4.3.3 Semi-thresholding; 4.3.4 Multispectral Thresholding; 4.4 Mathematical Morphology; 4.4.1 Dilation; 4.4.2 Erosion; 4.4.3 Opening and Closing; 4.4.4 Grey-scale and Colour Morphology; 4.5 Connectivity; 4.5.1 Connectedness: Paradoxes and Solutions; 4.5.2 Connected Components Analysis; 5 Geometric Transformations; 5.1 Problem Specification and Algorithm; 5.2 Affine Transformations; 5.2.1 Known Affine Transformations; 5.2.2 Unknown Affine Transformations 5.3 Perspective Transformations 5.4 Specification of More Complex Transformations; 5.5 Interpolation; 5.5.1 Nearest Neighbour Interpolation; 5.5.2 Bilinear Interpolation; 5.5.3 Bi-Cubic Interpolation; 5.6 Modelling and Removing Distortion from Cameras; 5.6.1 Camera Distortions; 5.6.2 Camera Calibration and Removing Distortion; 6 Edges; 6.1 Edge Detection; 6.1.1 First Derivative Edge Detectors; 6.1.2 Second Derivative Edge Detectors; 6.1.3 Multispectral Edge Detection; 6.1.4 Image Sharpening; 6.2 Contour Segmentation; 6.2.1 Basic Representations of Edge Data; 6.2.2 Border Detection 6.2.3 Extracting Line Segment Representations of Edge Contours 6.3 Hough Transform; 6.3.1 Hough for Lines; 6.3.2 Hough for Circles; 6.3.3 Generalised Hough; 7 Features; 7.1 Moravec Corner Detection; 7.2 Harris Corner Detection; 7.3 FAST Corner Detection; 7.4 SIFT; 7.4.1 Scale Space Extrema Detection; 7.4.2 Accurate Keypoint Location; 7.4.3 Keypoint Orientation Assignment; 7.4.4 Keypoint Descriptor; 7.4.5 Matching Keypoints; 7.4.6 Recognition; 7.5 Other Detectors; 7.5.1 Minimum Eigenvalues; 7.5.2 SURF; 8 Recognition; 8.1 Template Matching; 8.1.1 Applications; 8.1.2 Template Matching Algorithm 8.1.3 Matching Metrics

Sommario/riassunto

Explains the theory behind basic computer vision and provides a bridge from the theory to practical implementation using the industry standard. OpenCV libraries Computer Vision is a rapidly expanding area and it is becoming progressively easier for developers to make use of this field due to the ready availability of high quality libraries (such as OpenCV 2). This text is intended to facilitate the practical use of computer vision with the goal being to bridge the gap between the theory and the practical implementation of computer vision. The book will explain how to use the relevant OpenCV library routines and will be accompanied by a full working program including the code snippets from the text. This textbook is a heavily illustrated, practical introduction to an exciting field, the applications of which are becoming almost ubiquitous. We are now surrounded by cameras, for example cameras on computers & tablets/ cameras built into our mobile phones/ cameras in games consoles; cameras imaging difficult modalities (such as ultrasound, X-ray, MRI) in hospitals, and surveillance cameras. This book is concerned with helping the next generation of computer developers to make use of all these images in order to develop systems which are more intuitive and interact with us in more intelligent ways. Explains the theory behind basic computer vision and provides a bridge from the theory to practical implementation using the industry standard. OpenCV libraries offers an introduction to computer vision, with enough theory to make clear how the various algorithms work but with an emphasis on practical programming issues. Provides enough material for a one semester course in computer vision at senior undergraduate and Masters levels. Includes the basics of cameras and images and image processing to remove noise, before moving on to topics such as image histogramming; binary imaging; video processing to detect and model moving objects; geometric operations & camera models; edge detection; features detection; recognition in images. Contains a large number of vision application problems to provide students with the

opportunity to solve real problems. Images or videos for these problems are provided in the resources associated with this book.
