1. Record Nr. UNINA9910164037503321

Autore	Laganiere Robert
Titolo	OpenCV 3 computer vision application programming cookbook : recipes to help you build computer vision applications that make the most of the popular C++ library OpenCV 3 / / Robert Laganiere
Pubbl/distr/stampa	Birmingham, [England] ; ; Mumbai, [India] : , : Packt Publishing, , 2017 ©2017
ISBN	1-78646-911-1
Edizione	[Third edition.]
Descrizione fisica	1 online resource (464 pages)
Disciplina	006.37
Soggetti	Computer vision
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes index.
Sommario/riassunto	Recipes to help you build computer vision applications that make the most of the popular C++ library OpenCV 3 About This Book • Written to the latest, gold-standard specification of OpenCV 3 • Master OpenCV, the open source library of the computer vision community • Master fundamental concepts in computer vision and image processing • Learn about the important classes and functions of OpenCV with complete working examples applied to real images Who This Book Is For OpenCV 3 Computer Vision Application Programming Cookbook Third Edition is appropriate for novice C++ programmers who want to learn how to use the OpenCV library to build computer vision applications. It is also suitable for professional software developers who wish to be introduced to the concepts of computer vision programming. It can also be used as a companion book for university-level computer vision courses. It constitutes an excellent reference for graduate students and researchers in image processing and computer vision. What You Will Learn • Install and create a program using the OpenCV library • Process an image by manipulating its pixels • Analyze an image using histograms • Segment images into homogenous regions and extract meaningful objects • Apply image filters to enhance image content • Exploit the image geometry in order to relay

different views of a pictured scene • Calibrate the camera from different image observations • Detect people and objects in images using machine learning techniques • Reconstruct a 3D scene from images In Detail Making your applications see has never been easier with OpenCV. With it, you can teach your robot how to follow your cat, write a program to correctly identify the members of One Direction, or even help you find the right colors for your redecoration. OpenCV 3 Computer Vision Application Programming Cookbook Third Edition provides a complete introduction to the OpenCV library and explains how to build your first computer vision program. You will be presented with a variety of computer vision algorithms and exposed to important concepts in image and video analysis that will enable you to build your own computer vision applications. This book helps you to get started with the library, and shows you how to install and deploy the OpenCV library to write effective computer vision applications following good programming practices. You will learn how to read and write images and manipulate their pixels. Different techniques for image enhancement and shape analysis will be presented. You will learn how to detect specific image features such as lines, circles or corners. You will be introduced to the concepts of mathematical morphology and image filtering. The most recent methods for image matching and object recognition are described, and you'll discover how to process video from files or cameras, as well as how to detect and track moving objects. Techniques to achieve camera calibration and perform multiple-view analysis will also be explained. Finally, you'll also get acquainted with recent approaches in machine learning and object classification.

2. Record Nr. UNINA9910340295903321

Titolo	Advanced management journal
Pubbl/distr/stampa	[Cincinnati, etc.], : [Society for Advancement of Management]
Descrizione fisica	1 online resource
Disciplina	658.4/005
Soggetti	Management Gestion - Périodiques Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

3. Record Nr. UNINA9910873908003321

Titolo	SMACD / PRIME 2021 : International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design and
Pubbl/distr/stampa	Berlin, : VDE Verlag, 2021
ISBN	9783800755899 3800755890
Edizione	[Neuerscheinung]
Descrizione fisica	Online-Ressource (426 S.)
Soggetti	Modeling CMOS Synthesis MEMS Integrated circuits Microelectronic Machine learning Multi-domain Nanoelectronics Simulation methods

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	PublicationDate: 20210809
Sommario/riassunto	Long description: SMACD 2021 – International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design. The 2021 edition of the International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design (SMACD) was originally planned in Erfurt, Germany, but will be held virtually, as a forum devoted to modeling, simulation and synthesis for Analog, Mixed-signal, RF (AMS/RF) and multi-domain (nanoelectronics, biological, MEMS, optoelectronics, etc.) integrated circuits and systems. Experiences with modeling, simulation and synthesis techniques including machine-learning and artificial intelligence in diverse application areas are also welcomed. Objective technologies include CMOS, beyond CMOS, and, Morethan-Moore such as MEMS, power devices, sensors, passives, etc. SMACD 2021 is Technically Co-sponsored by IEEE, IEEE CEDA and IEEE CAS. The conference proceedings will be submitted for inclusion in IEEExplore. PRIME 2021 – 16th Conference on PhD Research in Microelectronics and Electronics PRIME has been established over the recent years as an important conference where PhD students and postdocs with less than one year post-PhD experience can present their research results and network with experts from industry, academia and research. PRIME 2021 will feature conference program reflecting the wide spectrum of research topics in Microelectronics and Electronics, building bridges between various research fields. In addition to the technical sessions, opportunities for the conference attendees will be the keynote talks, workshops, social events and conference proceedings will be submitted for IEEE Xplorer.