1. Record Nr. UNINA9910449880903321

Autore	Porter Eric (Eric C.)
Titolo	What is this thing called jazz? [[electronic resource]] : African American musicians as artists, critics, and activists / / Eric Porter
Pubbl/distr/stampa	Berkeley, Calif., : University of California Press, c2002
ISBN	1-282-75904-3 9786612759048 0-520-92840-7 1-59734-997-6
Descrizione fisica	1 online resource (442 p.)
Collana	Music of the African diaspora ; ; 6
Disciplina	781.65/089/96073
Soggetti	Jazz - History and criticism African American jazz musicians African Americans - Intellectual life - 20th century Electronic books.
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 (p. 337-382) and index.
Nota di contenuto	A marvel of paradox : jazz and African American modernity -- Dizzy atmosphere : the challenge of bebop -- Passions of a man : the poetics and politics of Charles Mingus -- Straight ahead : Abbey Lincoln and the challenge of jazz singing -- Practicing "creative music" : the black arts imperative in the jazz community -- Writing "creative music" : theorizing the art and politics of improvisation -- The majesty of the blues : Wynton Marsalis's jazz canon.
Sommario/riassunto	Despite the plethora of writing about jazz, little attention has been paid to what musicians themselves wrote and said about their practice. An implicit division of labor has emerged where, for the most part, black artists invent and play music while white writers provide the commentary. Eric Porter overturns this tendency in his creative intellectual history of African American musicians. He foregrounds the often-ignored ideas of these artists, analyzing them in the context of meanings circulating around jazz, as well as in relationship to broader currents in African American thought. Porter examines several crucial moments in the history of jazz: the formative years of the 1920's and

	1930's; the emergence of bebop; the political and experimental projects of the 1950's, 1960's and 1970's; and the debates surrounding Jazz at Lincoln Center under the direction of Wynton Marsalis. Louis Armstrong, Anthony Braxton, Marion Brown, Duke Ellington, W.C. Handy, Yusef Lateef, Abbey Lincoln, Charles Mingus, Archie Shepp, Wadada Leo Smith, Mary Lou Williams, and Reggie Workman also feature prominently in this book. The wealth of information Porter uncovers shows how these musicians have expressed themselves in print; actively shaped the institutional structures through which the music is created, distributed, and consumed, and how they aligned themselves with other artists and activists, and how they were influenced by forces of class and gender. What Is This Thing Called Jazz? challenges interpretive orthodoxies by showing how much black jazz musicians have struggled against both the racism of the dominant culture and the prescriptive definitions of racial authenticity propagated by the music's supporters, both white and black.

2.	Record Nr.	UNINA9910755077603321
	Autore	Subramanian Rajesh
	Titolo	Build Autonomous Mobile Robot from Scratch using ROS : Simulation and Hardware / / by Rajesh Subramanian
	Pubbl/distr/stampa	Berkeley, CA : , : Apress : , : Imprint : Apress, , 2023
	ISBN	9781484296455 1484296451
	Edizione	[1st ed. 2023.]
	Descrizione fisica	1 online resource (579 pages)
	Collana	Maker Innovations Series, , 2948-2550
	Disciplina	006.3
	Soggetti	Makerspaces Robotics Maker
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Includes index.
	Nota di contenuto	Chapter 1: Introduction to Robotics Part I -- Chapter 2: Introduction to Robotics Part II -- Chapter 3: Setting Up Workstation for Simulation -- Chapter 4: ROS Framework -- Chapter 5: Robot Simulation &

Visualization -- Chapter 6: Arduino and ROS -- Chapter 7: Simulating Bumblebot: A Simple Two-Wheeled Robot -- Chapter 8: Building Bumblebot in Hardware -- Chapter 9: Additional Sensors and Sensor Fusion in Bumblebot -- Chapter 10: Bonus Materials: Web Interface and Autonomous Docking Using Bumblebot.

Sommario/riassunto

Start from scratch and build a variety of features for autonomous mobile robots both in simulation and hardware. This book will show you how to simulate an autonomous mobile robot using ROS and then develop its hardware implementation. You'll start by gaining an understanding of the basic theoretical concepts underlying the development of autonomous robots, including history, mathematics, electronics, mechanical aspects, 3D modelling, 3D printing, Linux, and programming. In subsequent chapters, you will learn how to describe kinematics, simulate and visualize the robot, how to interface Arduino with ROS, tele-operate the robot, perform mapping, autonomous navigation, add additional sensors, sensor fusion, laser scan matching, web interface, and more. Not only will you learn theoretical aspects, you’ll also review the hardware realization of mobile robots. Projects start with a very basic two-wheeled mobile robot and progress to complex features such as mapping, navigation, sensor fusion, autodocking, and web interface. Upon completing this book, you’ll have incorporated important robot algorithms including SLAM, Path Finding, Localization, and Kalman Filters – and you will be ready to start designing and building your own autonomous robots. You will: Design and build your customized physical robot with autonomous navigation capability Create a map of your house using the robot’s lidar scanner Command the robot to go to any accessible location on the map Interact with the robot using a mobile app, joystick, keyboard, push-button, or remote computer Monitor robot updates via LCD, a mobile app, sound, and status LEDs Automate delivery of small payloads and return to home base Utilize autodocking to home base for battery charging Leverage sensor fusion to improve accuracy Interface with the robot via the Web to monitor and control it remotely.