

1. Record Nr.	UNINA9910454415003321
Autore	Smith Penelope Probert
Titolo	Active sensors for local planning in mobile robotics [[electronic resource] /] / Penelope Probert Smith
Pubbl/distr/stampa	River Edge, NJ, : World Scientific, 2001
ISBN	1-281-95664-3 9786611956646 981-281-114-1
Descrizione fisica	1 online resource (337 p.)
Collana	World Scientific series in robotics and intelligent systems ; ; v. 26
Disciplina	629.8/92
Soggetti	Mobile robots Detectors Signal processing 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. 291-305) and index.
Nota di contenuto	Contents ; Preface ; Acknowledgements ; Chapter 1 Introduction ; 1.1 Architectures for Planning and Perception ; 1.2 Range Sensing Technologies ; 1.3 Planning Demands ; Chapter 2 The Mapping and Localisation Problem ; 2.1 Simultaneous Localisation and Map Building Chapter 3 Perception at Millimetre Wavelengths 3.1 Sensor Operation ; 3.2 The Sensor ; 3.3 Antenna Properties ; 3.4 Altering Aperture Shape ; 3.5 Target Properties ; 3.6 Attenuation in the Transmission Medium ; 3.7 Summary Chapter 4 Advanced Sonar: Principles of Operation and Interpretation 4.1 Single Return Sonar ; 4.2 Advanced Sonar: The Sonar Signature ; 4.3 Acquiring the Sonar Signature ; 4.4 Summary ; Chapter 5 Smooth and Rough Target Modelling: Examples in Mapping and Texture Classification 5.1 Power Received by the Transducer 5.2

Smooth Surface Model ; 5.3 Rough Surface Planar
Models ; 5.4 Mapping Heterogeneous
Environments ; 5.5 Texture: Classifying
Surfaces ; 5.6 Summary ; Chapter 6
Sonar Systems: A Biological Perspective
; 6.1 Introduction ; 6.2 Echo Formation
6.3 Monaural Sensing 6.4 Multi-Aural Sensing
; 6.5 Summary ; Chapter 7 Map Building from Range Data
Using Mathematical Morphology
; 7.1 Introduction ; 7.2 Basics of Sonar Sensing
; 7.3 Processing of the Sonar Data ; 7.4
Experimental Verification ; 7.5 Discussion and
Conclusions
Chapter 8 Millimetre Wave Radar for Robotics

Sommario/riassunto

This book describes recent work on active sensors for mobile robots. An active sensor interacts with its surroundings to supply data on demand for a particular function, gathering and abstracting information according to need rather than acting as a generic data gatherer. Details of the physical operation are hidden. The book deals mainly with active range sensors, which provide rapid information for local planning, describing extraction of two-dimensional features such as lines, corners and cylinders to reconstruct a plan of a building. It is structured according to the physical principles

2. Record Nr.	UNINA9910790438203321
Autore	Boutros Alexandra <1971->
Titolo	Circulation and the city [[electronic resource]] : essays on urban culture // edited by Alexandra Boutros and Will Straw
Pubbl/distr/stampa	Montreal ; ; Ithaca [New York], : McGill-Queen's University Press, 2010
ISBN	1-283-53036-8 9786613842817 0-7735-8101-4
Descrizione fisica	1 online resource (313 pages)
Collana	Culture of cities.
Classificazione	LB 73000
Altri autori (Persone)	BoutrosAlexandra <1971-> StrawWill <1954->
Disciplina	307.76
Soggetti	Sociology, Urban Sociology, Urban - Quebec (Province) - Montreal
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	; Introduction / Alexandra Boutros and Will Straw -- The mobile city -- Language in the city, language of the city / Michael Darroch -- Telepathically urban / Jennifer Gabrys -- The imaginary of self-satisfaction : reflections on the platitude of the "creative city" / Alan Blum -- City Traffic. Absence, "removal," and everyday life in the diasporic city -- Anti-detention/deportation activism in Montreal / Jenny Burman -- The spirit of traffic : navigating faith in the city / Alexandra Boutros -- The ephemeral stage at Lionel Groulx Station / Amanda Boetzkes -- Cities of rhythm and revolution / tobias c. van Veen -- City circuits. Spectacles of waste / Will Straw -- Places of global shape : the world consumption in divided Berlin / Alexander Sedlmaier and Barthold Pelzer -- Modern heroics -- the Flaneur in Adolfo Bioy Casares's El sueño de los heroes / Amanda Holmes -- Temple bar, density and circulation -- the city as a terrain of many voices / Kieran Bonner.
Sommario/riassunto	As urban dwellers travel to work, home and play they carve random or predictable pathways across neighbourhoods and districts. This book investigates the urban capacity for movement, the city as a space of circulation, by taking into account not only the physical displacement

of people, but also the circulation of cultures, things, and ideas.
