

1. Record Nr.	UNINA9910144721603321
Titolo	Sensors for automotive applications [[electronic resource] /] / edited by J. Marek ... [et al.] ; [with a foreword by H.-J. Queisser]
Pubbl/distr/stampa	Weinheim ; ; [Cambridge], : Wiley-VCH, c2003
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (584 p.)
Collana	Sensors applications ; ; v. 4
Altri autori (Persone)	MarekJiri, ing.
Disciplina	629.27 681.2
Soggetti	Automobiles - Automatic control Automotive sensors Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Sensors Applications Volume 4 Sensors for Automotive Applications; Preface to the Series; Foreword; Contents; Abbreviations; List of Contributors; 1 Overview; 1.1 Introduction; 2 Automotive Sensor Market; 2.1 Introduction; 2.2 Automotive Sensor Market Overview; 2.3 Incentives and Current Trends in Automotive Sensors; 2.4 Regional Trends; 2.5 Market for Individual Sensors; 2.6 Outlook: New Sensors and Market Opportunities; 2.7 Summary; 2.8 References; 3 Measurement Principles: Basic Considerations about Sensing; 3.1 Basic Considerations and Definitions 3.2 Classification of Sensor-Input Signals3.3 Signal Conversion and Signal Extraction (Signal Path); 3.4 Sensor Output Signals; 3.5 Summary and Outlook; 3.6 References; 4 Design Methodology; 4.1 Methodology; 4.2 CAD Tools for MEMS; 5 Technology; 5.1 Bulk Micromachining; 5.2 Integrated Surface Micromachining Technology; 5.3 Surface Micromachining - Discrete; 5.4 Thin Films on Steel; 5.5 Thin Films on Silicon; 5.6 Ceramic Materials and Technologies for Exhaust Gas Sensors; 5.7 Magnetic-Field Sensor Technologies; 5.8 Assembly,

Packaging; 5.9 Reliability; 5.10 Test of Automotive Sensors
6 Evaluation Circuits6.1 Capacitive Evaluation Circuits; 6.2 Resistive
Evaluation Circuits; 7 Applications; 7.1 Accelerometers for Automotive
Applications; 7.2 Yaw-Rate Sensors; 7.3 Pressure Sensors; 7.4 High-
Pressure Sensors; 7.5 Temperature Sensors; 7.6 Mass-Flow Sensors;
7.7 Radar Sensors; 7.8 Video Sensors; 7.9 Wheel-Speed Sensors; 7.10
Cam and Crank-Angle Sensors; 7.11 Steering-Angle Sensors; 7.12
Force and Torque Sensors; 7.13 Light Sensors; 7.14 Rain Sensors; 7.15
Chemical Sensors for Oxygen Detection and Air/Fuel Ratio Control;
7.16 Chemical Sensors for Emission Control
7.17 Chemical Sensors for Air Quality7.18 Chemical Sensors for Liquid
Media; 7.19 Electric-Current Sensors; 7.20 Tire-Pressure Sensors;
Subject Index

Sommario/riassunto

An international team of experts from the leading companies in this field gives a detailed picture of existing as well as future applications. They discuss in detail current technologies, design and construction concepts, market considerations and commercial developments. Topics covered include vehicle safety, fuel consumption, air conditioning, emergency control, traffic control systems, and electronic guidance using radar and video. Meeting the growing need for comprehensive information on the capabilities, potentials and limitations of modern sensor systems, *Sensors Applications* is a book

2.	Record Nr.	UNICAMPANIAVAN00114001
	Autore	Das, Nitai C.
	Titolo	Decision processes by using bivariate normal quantile pairs / N. C. Das
	Pubbl/distr/stampa	New Delhi, : Springer, 2015
	Titolo uniforme	Decision processes by using bivariate normal quantile pairs
	Descrizione fisica	XXI, 647 p. : ill. ; 24 cm
	Soggetti	62C05 - General considerations in statistical decision theory [MSC 2020] 91-XX - Game theory, economics, finance, and other social and behavioral sciences [MSC 2020] 91B06 - Decision theory [MSC 2020]
	Lingua di pubblicazione	Inglese
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3.	Record Nr.	UNICAMPANIAVAN00284723
	Titolo	Can Science Be Witty? : Science Communication Between Critique and Cabaret / Marc-Denis Weitze, Wolfgang Chr. Goede, Wolfgang M. Heckl editors
	Pubbl/distr/stampa	Berlin ; Heidelberg, : Springer, 2023
	Descrizione fisica	ix, 244 p. : ill. ; 24 cm
	Soggetti	00-XX - General and overarching topics; collections [MSC 2020] 00A79 (77-XX) - Physics [MSC 2020] 85-XX - Astronomy and Astrophysics [MSC 2020] 94-XX - Information and communication theory, circuits [MSC 2020]
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