1. Record Nr. UNINA9910464852003321

Titolo	Premium and specialized intraocular lenses / / edited by Guy Kleinmann, David J. Apple, Ehud I. Assia ; contributors Adi Abulafia [and twenty nine others]
Pubbl/distr/stampa	Sharjah, United Arab Emirates : , : Bentham Science Publishers, , 2014 ©[2014]
ISBN	1-60805-832-8
Descrizione fisica	1 online resource (331 p.)
Disciplina	617.7524
Soggetti	Intraocular lenses Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Title; EUL; Contents; Foreword; Preface; List of Contributors; Chapter 01; Chapter 02; Chapter 03; Chapter 04; Chapter 05; Chapter 06; Chapter 07; Chapter 08; Chapter 09; Chapter 10; Chapter 11; Chapter 12; Chapter 13; Chapter 14; Index
Sommario/riassunto	This eBook is a review on the state-of-the-art knowledge on currently available premium intraocular lenses. The volume covers a variety of intraocular lenses including multifocal, accommodative, aspheric, and toric versions and special intraocular biodevices such as intraocular telescopes. Details regarding their features, indications, contraindications and clinical results are also discussed based on evidence based / peer reviewed data. This eBook serves as a brief reference for optometry professionals seeking updates about high quality lenses for eye patients.

2. Record Nr. UNINA9910231245303321

Autore	Ben-Ari Mordechai
Titolo	Elements of Robotics [[electronic resource] /] / by Mordechai Ben-Ari, Francesco Mondada
Pubbl/distr/stampa	Springer Nature, 2017 Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-62533-0
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XVI, 308 p. 198 illus., 76 illus. in color.)
Disciplina	006.3
Soggetti	Artificial intelligence Algorithms Robotics Automation Artificial Intelligence Robotics and Automation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Robots and their Applications -- Sensors -- Reactive Behavior -- Finite State Machines -- Robotic Motion and Odometry -- Control -- Local Navigation: Obstacle Avoidance -- Localization -- Mapping -- Mapping-based Navigation -- Fuzzy Logic Control -- Image Processing -- Neural Networks -- Machine Learning -- Swarm Robotics -- Kinematics of a Robotic Manipulator -- Appenix A:Units of Measurement -- Appendix B:Mathematical Derivations and Tutorials -- Index.
Sommario/riassunto	This book is open access under a CC BY 4.0 license. This book bridges the gap between playing with robots in school and studying robotics at the upper undergraduate and graduate levels to prepare for careers in industry and research. Robotic algorithms are presented formally, but using only mathematics known by high school and first-year college students, such as calculus, matrices and probability. Concepts and algorithms are explained through detailed diagrams and calculations. Elements of Robotics presents an overview of different types of robots

and the components used to build robots, but focuses on robotic algorithms: simple algorithms like odometry and feedback control, as well as algorithms for advanced topics like localization, mapping, image processing, machine learning and swarm robotics. These algorithms are demonstrated in simplified contexts that enable detailed computations to be performed and feasible activities to be posed. Students who study these simplified demonstrations will be well prepared for advanced study of robotics. The algorithms are presented at a relatively abstract level, not tied to any specific robot. Instead a generic robot is defined that uses elements common to most educational robots: differential drive with two motors, proximity sensors and some method of displaying output to the use. The theory is supplemented with over 100 activities, most of which can be successfully implemented using inexpensive educational robots. Activities that require more computation can be programmed on a computer. Archives are available with suggested implementations for the Thymio robot and standalone programs in Python.