

1. Record Nr.	UNINA990004203400403321
Autore	Stratmann, Francis Henry
Titolo	A middle-english dictionary : containing words used by english writers from the twelfth to the fifteenth century / by Francis Henry Stratmann
Pubbl/distr/stampa	Oxford : Oxford University press, 1978
ISBN	0-19-863106-5
Edizione	[A new edition re-arranged revised and enlarged]
Descrizione fisica	XXIII, 708 p. ; 25 cm
Disciplina	427.0203
Locazione	FLFBC
Collocazione	427.0203 STR 1
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910807284803321
Autore	Gauthier Michael
Titolo	Intracorporeal robotics : from milliscale to nanoscale // Michael Gauthier, Nicolas Andreff, Dombre Etienne
Pubbl/distr/stampa	London, England ; ; Hoboken, New Jersey : , : ISTE : , : Wiley, , 2014 ©2014
ISBN	1-118-57910-0 1-118-57912-7
Descrizione fisica	1 online resource (200 p.)
Collana	Robotics Series
Disciplina	629.892
Soggetti	Robotics Robots - Design and construction Microrobots
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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	Cover; Title Page; Contents; Introduction; Chapter 1 Intracorporeal Millirobotics; 1.1. Introduction; 1.2. Principles; 1.2.1. Partially intracorporeal devices with active distal mobilities; 1.2.2. Intracorporeal manipulators; 1.2.3. Intracorporeal mobile devices; 1.3. Scientific issues; 1.3.1. Modeling; 1.3.2. Design; 1.3.3. Actuation and transmission; 1.3.4. Sensing; 1.3.5. Control; 1.4. Examples of devices; 1.4.1. The robotic platform of the Araknes project; 1.4.2. A snake-like robot made of concentric super-elastic tubes 1.4.3. MICRON: a handheld robotized instrument for ophthalmic surgery 1.5. Conclusion; Chapter 2 Intracorporeal Microrobotics; 2.1. Introduction; 2.2. Novel paradigms for intracorporeal robotics; 2.2.1. Classification of intracorporeal robots; 2.2.2. Physical principles in use at microscale; 2.3. Methods; 2.3.1. Models; 2.3.2. Design; 2.3.3. Actuation; 2.3.4. Sensing; 2.3.5. Control; 2.4. Devices; 2.4.1. Magnetically guided catheters; 2.4.2. Distal tip mobility for endoluminal microphonosurgery; 2.4.3. Autonomous active capsules; 2.4.4. Magnetically guided capsules; 2.5. Conclusion Chapter 3 Non-Contact Mesorobotics 3.1. Introduction; 3.2. Principles; 3.2.1. Introduction; 3.2.2. Laser trapping; 3.2.3. Electrostatic

principles; 3.3. Scientific challenges; 3.3.1. Modeling; 3.3.2. Design; 3.3.3. Perception; 3.3.4. Control; 3.4. Experimental devices; 3.4.1. Laser trapping; 3.4.2. DEP systems; 3.5. Conclusion; Chapter 4 Toward Biomedical Nanorobotics; 4.1. Applicative challenges; 4.1.1. In vitro applications; 4.1.2. Nanoassembly for biomedical applications; 4.1.3. In vivo applications; 4.2. Scientific challenges; 4.2.1. New paradigm removing frontiers between sciences
4.2.2. Energy sources
4.2.3. How far away is this future?; Bibliography; Index

Sommario/riassunto

A promising long-term evolution of surgery relies on intracorporeal microrobotics. This book reviews the physical and methodological principles, and the scientific challenges to be tackled to design and control such robots. Three orders of magnitude will be considered, justified by the class of problems encountered and solutions implemented to manipulate objects and reach targets within the body: millimetric, sub-millimetric in the 10- 100 micrometer range, then in the 1-10 micrometer range. The most prominent devices and prototypes of the state of the art will be described to illustrate th

3. Record Nr.

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Autore

Ursino, Domenico <1971- >

Titolo

Extraction and exploitation of intensional knowledge from heterogeneous information sources : semi-automatic approaches and tools / Domenico Ursino

Pubbl/distr/stampa

Berlin [etc.], : Springer, c2002

ISBN

3540433473

Descrizione fisica

XXVI, 289 p. : ill. ; 24 cm.

Collana

Lecture notes in computer science / edited by G. Goos and J. Hartmanis ; 2282

Disciplina

006.3
006.33

Soggetti

Intelligenza artificiale
Sistema esperto

Collocazione

COLL. ING. LNCS

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Inglese

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