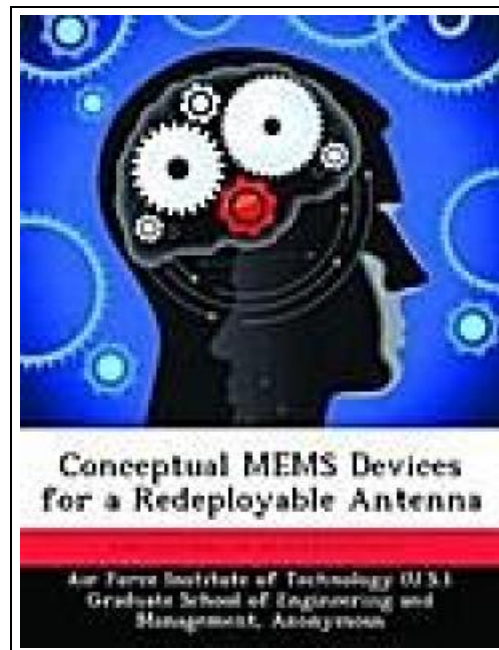


Conceptual MEMS Devices for a Redeployable Antenna



Filesize: 6.05 MB

Reviews

It is great and fantastic. I actually have read and so i am certain that i am going to going to go through once again yet again in the future. I realized this ebook from my dad and i encouraged this book to find out.

(Dr. Kayden Gerlach)

CONCEPTUAL MEMS DEVICES FOR A REDEPLOYABLE ANTENNA



To read **Conceptual MEMS Devices for a Redeployable Antenna** PDF, please refer to the button below and download the file or have access to other information which might be relevant to CONCEPTUAL MEMS DEVICES FOR A REDEPLOYABLE ANTENNA book.

Biblioscholar Sep 2012, 2012. Taschenbuch. Book Condition: Neu. 246x189x5 mm. This item is printed on demand - Print on Demand Neuware - Micro-Electro-Mechanical Systems (MEMS) are becoming an integral part of our lives through a wide range of applications, including MEMS accelerators for air bag deployment in vehicles, micromirrors in projection devices, and various sensors for chemical/biological applications. MEMS are a key aspect of everincreasing significance in a myriad of commercial and military applications. Because of this importance, this thesis utilizes MEMS devices that can deploy and retract an antenna suitably sized for placement on an insect or microrobot for communication purposes. A target monopole antenna with a length of 1 mm was used as a test metric. From this requirement, several MEMS designs using scratch drives and thermal actuators as the basis for powering the motor were developed. Some of the fabricated and tested designs included a gear with side flaps that flip up perpendicular to the substrate; gears that push an antenna beam off the edge of the substrate; and an antenna beam that is moved upwards such that it stands perpendicular to the substrate. These designs had the highest likelihood of success. Other designs included an array of micro gears and guiding beams, a large wheel powered by scratch drives, and a gear with the pawl requiring assembly. For these designs to be successful, several basic modifications would be necessary. The antenna beam that moves into a position perpendicular to the substrate was successfully self-assembled. 86 pp. Englisch.



[Read Conceptual MEMS Devices for a Redeployable Antenna Online](#)



[Download PDF Conceptual MEMS Devices for a Redeployable Antenna](#)



[Download ePUB Conceptual MEMS Devices for a Redeployable Antenna](#)

You May Also Like



[PDF] Psychologisches Testverfahren
Access the web link listed below to get "Psychologisches Testverfahren" PDF file.
[Save](#) [Document](#)
»



[PDF] Programming in D
Access the web link listed below to get "Programming in D" PDF file.
[Save](#) [Document](#)
»



[PDF] To Thine Own Self
Access the web link listed below to get "To Thine Own Self" PDF file.
[Save](#) [Document](#)
»



[PDF] Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird
Access the web link listed below to get "Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird" PDF file.
[Save](#) [Document](#)
»



[PDF] Adobe Indesign CS/Cs2 Breakthroughs
Access the web link listed below to get "Adobe Indesign CS/Cs2 Breakthroughs" PDF file.
[Save](#) [Document](#)
»



[PDF] Harts Desire Book 2.5 La Fleur de Love
Access the web link listed below to get "Harts Desire Book 2.5 La Fleur de Love" PDF file.
[Save](#) [Document](#)
»

**[PDF] The TW treatment of hepatitis B road of hope(Chinese Edition)**

Access the link under to get "The TW treatment of hepatitis B road of hope(Chinese Edition)" PDF file.

[Download](#) [ePub](#)

»

**[PDF] Variations Symphoniques, Fwv 46: Study Score**

Access the link under to get "Variations Symphoniques, Fwv 46: Study Score" PDF file.

[Download](#) [ePub](#)

»

**[PDF] History of the Town of Sutton Massachusetts from 1704 to 1876**

Access the link under to get "History of the Town of Sutton Massachusetts from 1704 to 1876" PDF file.

[Download](#) [ePub](#)

»

**[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)**

Access the link under to get "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" PDF file.

[Download](#) [ePub](#)

»

**[PDF] Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package**

Access the link under to get "Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package" PDF file.

[Download](#) [ePub](#)

»

**[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)**

Access the link under to get "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF file.

[Download](#) [ePub](#)

»