1. Record Nr. UNISA996333046703316

Titolo	ARChive
Pubbl/distr/stampa	Alexandria, Egypt : , : IEREK Press, , 2017-
ISSN	2537-0162
Descrizione fisica	1 online resource
Soggetti	Cities and towns Architecture City planning Science Electronic journals. Periodicals.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

2. Record Nr. UNINA9910346906303321

Autore	Schmaus Stefan
Titolo	Spintronics with individual metal-organic molecules
Pubbl/distr/stampa	KIT Scientific Publishing, 2011
ISBN	1000022418
Descrizione fisica	1 online resource (110 p. p.)
Collana	Experimental Condensed Matter Physics / Karlsruher Institut für Technologie, Physikalisches Institut
Soggetti	Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	In this work two ideas of using individual metal organic molecules in applications for data storage are presented. On the one hand, metal-free phthalocyanine is used to form a GMR contact consisting of one single molecule leading to the world smallest magnetic sensor. On the other hand, chromium acetylacetonate was used to study the properties of magnetic molecules adsorbed on surfaces in order to build magnetic bits for date storage.

3. Record Nr. UNINA9910972982603321

Autore	Owad Tom
Titolo	Apple I replica creation: back to the garage / / Tom Owad
Pubbl/distr/stampa	Rockland, MA, : Syngress Publishing, c2005
ISBN	1-281-07310-5 9786611073107 0-08-049921-X 1-59749-023-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (369 p.)
Disciplina	004.165
Soggetti	Apple computers Microcomputers
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 and index.
Nota di contenuto	Front Cover; Apple I Replica Creation: Back to the Garage; Copyright Page; Contents; Foreword; Chapter 1. The History of the Apple I; Introduction; The Apple I; The Apple I Owners Club; Apple I Pioneer Interviews; Summary; Chapter 2. Tools and Materials; Introduction: Tools You'll Need; Multimeter; Logic Probe; Breadboard; Wire-Wrap Tools; Soldering Iron and Materials; Power Supply; TTL Chips; Circuit Boards and Software Tools; Chip Pullers and Straighteners; Keyboard and Monitor; Ambience; Chapter 3. Digital Logic; Introduction; Breadboarding; Electricity; Gates; Circuits with Algebra Latches and Flip-FlopsWhat Is Data?; A Few More Chips; Summary; Chapter 4. Building the Replica; Introduction; Learning to Solder; Assembling the Replica I; Serial I/O Board; Using McCAD EDS SE; Summary; Chapter 5. Programming in BASIC; Introduction; Setting Up BASIC; Hello World; Input , Variables, Strings; Math; FOR/NEXT; IF/THEN; GOSUB; Arrays; Strings, In Depth; PEEK and POKE; The CALL Command; Commands; Error Codes; Richard III: Interactive Fiction; Summary; Chapter 6. Programming in Assembly; Introduction; Using the Monitor; Setting Up the Assembler; Registers; Hello World TV TypewriterX and Y; Memory Addressing; Interacting with Memory; Printing Strings; String Subroutines; Bit Representation; Using the Stack;

Bit Manipulation; Math Calculations; Summary; Chapter 7. Understanding the Apple I; Introduction; Bus; Clock; Processor; Memory; I/O with the 6821; Keyboard In; Video Out; Summary; Appendix A. ASCII Codes; Appendix B. Operation Codes and Status Register; Appendix C. OpCode Matrix; Appendix D. Instructions by Category; Load and Store; Arithmetic; Increment and Decrement; Shift and Rotate; Logic; Compare and Test Bit; Branch; Transfer; Stack Subroutines and JumpSet and Clear; Miscellaneous; Appendix E. Hacking Macintosh; Compubrick SE; Building a UFO Mouse; Adding Colored Skins to the Power Macintosh G4 Cube; Other Hacks and Resources; Appendix F. Electrical Engineering Basics; Introduction; Fundamentals; Basic Device Theory; Microprocessors and Embedded Systems; Soldering Techniques; Common Engineering Mistakes; Web Links and Other Resources; Syngress Publishing License Agreement; Index

Sommario/riassunto

The perfect book for computer hobbyists, Apple I Replica Creation: Back to the Garage is sure to equally appeal both to kids with gift certificates looking for fun on a snowy January day as well as to adults eager to learn the basics of simple microcomputer design. The book will begin by teaching readers the basics of computer processing by discussing the functionality of the 9 chip on the Apple I motherboard. From there, readers will be taught the basics of memory access and video input and output. Readers then learn how to assemble the various hardware components into a fully functioning App