Ebook Directory
the best source of ebook

The book was found

DIY Satellite Platforms: Building A Space-Ready General Base Picosatellite For Any Mission

PDF
Adobe
DOWNLOAD EBOOK

Synopsis

Want to build your own satellite and launch it into space? ItÃ¢â ¬â„¢s easier than you may think. The first in a series of four books, this do-it-yourself guide shows you the essential steps needed to design a base picosatellite platformÃ¢â ¬â •complete with a solar-powered computer-controlled assemblyÃ¢â ¬â •tough enough to withstand a rocket launch and survive in orbit for three months.Whether you want to conduct scientific experiments, run engineering tests, or present an orbital art project, youÃ¢â ¬â„¢ll select basic components such as an antenna, radio transmitter, solar cells, battery, power bus, processor, sensors, and an extremely small picosatellite chassis. This entertaining series takes you through the entire processÃ¢â ¬â •from planning to launch.Prototype and fabricate printed circuit boards to handle your payloadChoose a prefab satellite kit, complete with solar cells, power system, and on-board computerCalculate your power budgetÃ¢â ¬â •how much you need vs. what the solar cells collectSelect between the Arduino or BasicX-24 onboard processors, and determine how to use the radio transmitter and sensorsLearn your launch options, including the providers and cost requiredUse milestones to keep your project schedule in motion

Book Information

File Size: 1902 KB

Print Length: 84 pages

Page Numbers Source ISBN: 1449310605

Simultaneous Device Usage: Unlimited

Publisher: Maker Media, Inc; 1 edition (January 30, 2012)

Publication Date: January 30, 2012

Sold by:Ã Â Digital Services LLC

Language: English

ASIN: B00DBIEYA0

Text-to-Speech: Enabled

X-Ray: Not Enabled

Word Wise: Enabled

Lending: Not Enabled

Enhanced Typesetting: Enabled

Best Sellers Rank: #209,520 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #7 inÃ Â Kindle Store > Kindle eBooks > Nonfiction > Science > Experiments, Instruments &

Measurement > Scientific Instruments #20 inÃ Â Kindle Store > Kindle eBooks > Engineering & Transportation > Engineering > Computer Technology > Remote Sensing #29 inÃ Â Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Sensors

Customer Reviews

This book is more of a diary of Antunes' experience working on his own project, as opposed to a technical manual that would be more familiar to a professional engineer. That said, if you are an engineer and you are interested in this subject, you are likely in a position to be able to fill in the gaps easily from the myriad pointers provided. What I found most enjoyable was the narrative of someone's spirit of adventure and creativity; Antunes has a goal, and he does what is necessary to make it happen. A lot of exploration, trial and error, good-enough-now-let's-move-on-to-the-next-problem, beg/borrow/steal other useful ideas, and all the ups and downs that are part of a real labor of love.

This short book is radiating with the joy of creating something that can actually go into space.It's obviously written with the maker approach, don't expect the MIT course on satellite engineering for $3.57.But to feel what it takes to build a working satellite in your basement, and start to think that space exploration may really be a home project - complete with costs, suppliers and schedules - this is a good starting point.

Practical, straightforward system level approach. It does not include every formula you could ever need, but omitting that detail limits the book to a reasonable length.

An excellent book on how the big guys are built is available. But this says it all. How someone could go ahead and build the simplest variety of satellite.

It's not a well-organized guide book which shows you every essential steps. It just likes someone who sharing his/her experience on a hobby forum. However, I do get some keywords to start my own researching on the web.

Does a good job and helps you get your feet wet with the small satellites that are being built today. Good, fast read.

Informative.

Very good introduction to a popular project.Grass-roots satellite project that even highschool students can pursue. Space stillattracts students, and here is a hands-onproject thay can contribute to and learnfrom.

Download to continue reading...

DIY Satellite Platforms: Building a Space-Ready General Base Picosatellite for Any Mission DIY: 365 Days of DIY: A Collection of DIY, DIY Household Hacks, DIY Cleaning and Organizing, DIY Projects, and More DIY Tips to Make Your Life Easier (With Over 45 DIY Christmas Gift Ideas) DIY For Men: Woodworking, Ham Radio, Blacksmithing, Homemade Weapons and Even DIY Internet Connection: (DIY Projects For Home, Woodworking, How To Build A Shed, Blacksmith, DIY Ideas, Natural Crafts) DIY Household Hacks for Beginners: DIY Hacks For Cleaning And Organizing, Increased Productivity, Declutter your Home (DIY Home Improvements, DIY Household ... And Organizing, Increase Productivity) DIY Comms and Control for Amateur Space: Talking and Listening to Your Satellite Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Chicken Coops Building: 7 Chicken Coop Plans for Beginners: (DIY Chicken Coops, DIY Building) Softball Base Running Drills: easy guide to perfect your base running today! (Fastpitch Softball Drills) How to Make Melt & Pour Soap Base from Scratch: A Beginner's Guide to Melt & Pour Soap Base Manufacturing Clinical Physiology of Acid-Base and Electrolyte Disorders (Clinical Physiology of Acid Base & Electrolyte Disorders) Soapmaking, Body Butter & Essential Oils DIY Collection x 9: Soapmaking, Body Butter & Essential Oils Boxset Bundle: Making Soap At Home, DIY Soap Recipes, ... & MUCH MUCH MORE! (DIY Beauty Boxsets) DIY Protein Bars: 30 Delicious and Healthy DIY Protein Bars (diy protein bars, protein bars, high protein snacks) DIY Wood Pallet Projects: 23 Creative Wood Pallet Projects That Are Easy To Make And Sell! (DIY Household Hacks, DIY Projects, Woodworking) Surviving Orbit the DIY Way: Testing the Limits Your Satellite Can and Must Match Clinical Anesthesia Procedures of the Massachusetts General Hospital: Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General ... of the Massachusetts General Hospital) Space Mission Analysis and Design (Space Technology Library) Crowdfunding Basics In 30 Minutes: How to use Kickstarter, Indiegogo, and other crowdfunding platforms to support your entrepreneurial and creative dreams Matchmakers: The New Economics of Multisided Platforms A Creator's Guide to Transmedia Storytelling: How to Captivate and Engage Audiences Across Multiple Platforms Leading Congregations and Nonprofits in a Connected World:

Platforms, People, and Purpose