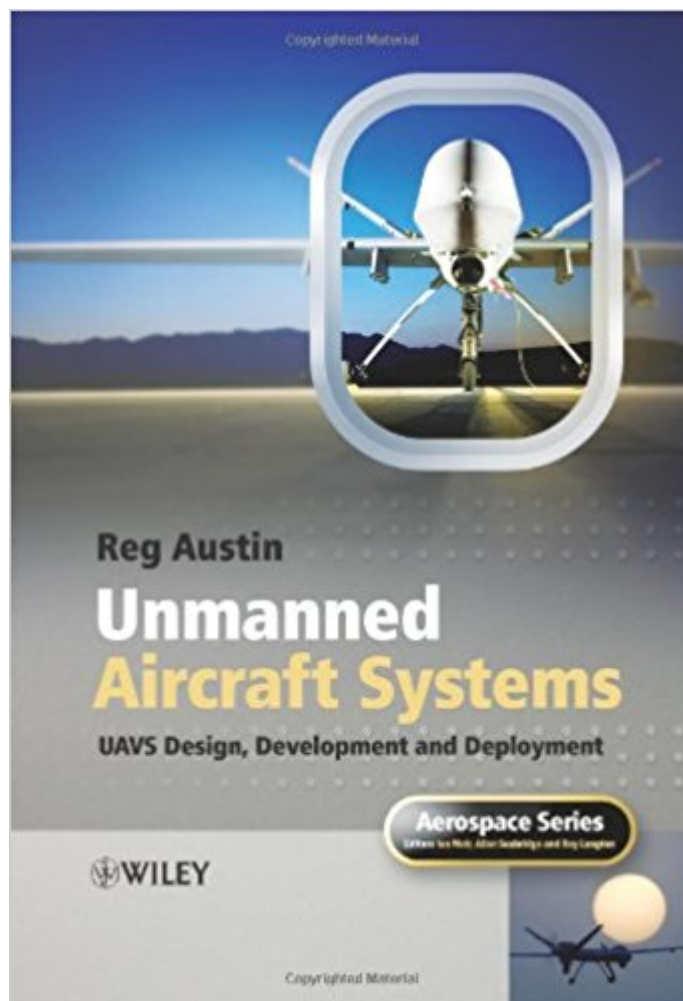


The book was found

Unmanned Air Systems: UAV Design, Development And Deployment



Synopsis

Unmanned Aircraft Systems delivers a much needed introduction to UAV System technology, taking an integrated approach that avoids compartmentalising the subject. Arranged in four sections, parts 1-3 examine the way in which various engineering disciplines affect the design, development and deployment of UAS. The fourth section assesses the future challenges and opportunities of UAS. Technological innovation and increasingly diverse applications are two key drivers of the rapid expansion of UAS technology. The global defence budget for UAS procurement is expanding, and in the future the market for civilian UAVs is expected to outmatch that of the military. Agriculture, meteorology, conservation and border control are just a few of the diverse areas in which UAVs are making a significant impact; the author addresses all of these applications, looking at the roles and technology behind both fixed wing and rotorcraft UAVs. Leading aeronautical consultant Reg Austin co-founded the Bristol International Remotely Piloted Vehicle (RPV) conferences in 1979, which are now the longest-established UAS conferences worldwide. In addition, Austin has over 40 years' experience in the design and development of UAS. One of Austin's programmes, the "Sprite UAV System" has been deployed around the world and operated by day and night, in all weathers.

Book Information

Hardcover: 372 pages

Publisher: Wiley; 1 edition (June 15, 2010)

Language: English

ISBN-10: 0470058196

ISBN-13: 978-0470058190

Product Dimensions: 6.9 x 1 x 9.9 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars 9 customer reviews

Best Sellers Rank: #468,225 in Books (See Top 100 in Books) #77 in Books > Engineering & Transportation > Engineering > Aerospace > Aircraft Design & Construction #264 in Books > Textbooks > Engineering > Aeronautical Engineering #641 in Books > Science & Math > Astronomy & Space Science > Aeronautics & Astronautics

Customer Reviews

â œThis book review is part of the Practical Industrial Applications series on Startup Business Book Reviews, providing quality book reviews of the business books that matter.â •Â (Will Roney, 3 September 2012) "Overall, the book is a useful guide to the wide subject of unmanned aircraft and

will sit comfortably on the shelves of both interested amateur and experienced professional." (RAeS Aerospace Professional magazine, 1 April 2011) Â

Unmanned Aircraft Systems delivers a much needed introduction to UAV System technology, taking an integrated approach that avoids compartmentalising the subject. Arranged in four sections, parts 1-3 examine the way in which various engineering disciplines affect the design, development and deployment of UAS. The fourth section assesses the future challenges and opportunities of UAS. Technological innovation and increasingly diverse applications are two key drivers of the rapid expansion of UAS technology. The global defence budget for UAS procurement is expanding, and in the future the market for civilian UAVs is expected to outmatch that of the military. Agriculture, meteorology, conservation and border control are just a few of the diverse areas in which UAVs are making a significant impact; the author addresses all of these applications, looking at the roles and technology behind both fixed wing and rotorcraft UAVs. Provides an integrated analysis of most recent trends and developments in the rapidly expanding UAS industry Written by a leading expert with over 40 years' experience leading UAS programmes Examines future opportunities and challenges facing the UAS industryÂ

This book really covers the foundations of UAV design from the ground up and assumes no previous aeronautical knowledge making this a good book for beginners and experienced aircraft designers. All systems of the UAS are covered in depth as well as ground control, maintenance, launch and recovery. The book is well organized and the reader is not burdened with excessive mathematical formulae. Safety and reliability are also covered. The book uses extensive illustrations and charts. Payload design and navigation and communications design are covered extensively. An entire section on certification and testing is included and covers crucial information. finally, sections on deployment, operational trials, and operational roles are included. All in all, this book covers all aspects from design to testing to operational deployment, a coverage which is complete and is not seen in many other UAS books. Overall, I highly recommend this book as a first UAS book and also as a book for aeronautical experts looking to expand into UAS technology.

While I was looking for more information on sUAS systems, this book was fascinating in its description of the technology and operation of the hi-tech military systems now in use.

This book would help commanders in the military understand their systems a lot better.

Textbook required for my degree program. Good book, not sure what else to add.

Well written and comprehensive text on the subject. This book is an excellent primer on the subject that will inform beginner's and experts alike. The depth and breadth of information presented ensures this book will be an excellent reference text to sit on your desk.

got for a class, passed the class

Very well written and easy to understand!

This is a great book for anyone looking at a potential career in the UAV industry. I had to buy this book for a class at UND and I found it to be very informative and well-written book.

[Download to continue reading...](#)

Unmanned Air Systems: UAV Design, Development and Deployment AIR FRYER: TOP 35 Easy And Delicious Recipes In One Cookbook For Everyday Life (Air Fryer Recipe Book, Air Fryer Cooking, Air Fryer Oven, Air Fryer Baking, Air Fryer Book, Air Frying Cookbook) Air Fryer: Air Fryer Cookbook: Air Fryer Recipes: Healthy, Quick, & Easy Air Fryer Recipes for You & Your Family (Air Fryer, Air Fryer Cookbook, Air Fryer Recipes Book 1) AIR FRYER COOKBOOK: 135 AMAZINGLY DELICIOUS QUICK & EASY AIR FRYER RECIPES (air fryer healthy recipes, air fryer paleo, air fryer ultimate, air fryer gluten free, air fryer ketogenic) Secure Web Application Deployment using OWASP Standards: An expert way of Secure Web Application deployment Build Your Own Drone Manual: The practical guide to safely building, operating and maintaining an Unmanned Aerial Vehicle (UAV) (Haynes Owners' Workshop Manual) Air Plants: A Beginners Guide To Understanding Air Plants, Growing Air Plants and Air Plant Care (Air Plants, Ornamental Plants, House Plants) Air Plants: Everything that you need to know about Air Plants in a single book (air plants, air plant care, terrarium, air plant book) Air Fryer Cookbook: 450 Amazingly Healthy & Delicious Air Fryer Recipes. (With Nutrition Facts of Each & Every Recipe) (Air fryer Cookbook, Air fryer Recipes, Air fryer Recipe Book) Air Fryer Cookbook: Healthy & Easy Air Fryer Recipes for Everyone (Air Fryer Recipe Book, Air Fryer Cooking, Best Air Fryer Recipes) Warships of the Napoleonic Era: Design, Development and Deployment Introduction to UAV Systems Air Fryer Cookbook: 365 Days of Air Fryer Cookbook - 365 Healthy, Quick and Easy Recipes to Fry, Bake, Grill, and Roast with Air Fryer (Everything Complete Air Fryer Book, Vegan, Paleo, Pot, Meals)

BOOK BUNDLE: The complete set of 3 awesome Air Fryer cookbooks: Air Fryer Made Simple, Air Fryer Advanced, Air Fryer Ultimate. Make pro level dishes from the comfort and privacy of Your kitchen! Air Fryer Recipes Cookbook: Delicious 123 Recipes to Fry, Bake, Grill, and Roast with Your Air Fryer(Air Fryer Cookbook, Oil Free Cookbook,Healthy Air Fryer Recipes) Air Fryer Recipes: The Ultimate Air Fryer Recipes Book for Your WHOLE Family - Includes 101+ Delicious & Healthy Recipes That Are Quick & Easy to Make for Your Air Fryer (Air Fryer Series) Air Fryer Cookbook: The Quick & Easy Guide to Delicious Air Fryer Meals - Air Fryer Recipes - Complete Air Fryer Guide Air Fryer Ultimate Cookbook - 2nd Edition: The Quick & Easy Guide to Delicious Air Fryer Meals - Air Fryer Recipes - Complete Air Fryer Guide Hunter Killer: Inside America's Unmanned Air War Small Unmanned Aircraft Systems Guide: Exploring Designs, Operations, Regulations, and Economics

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)