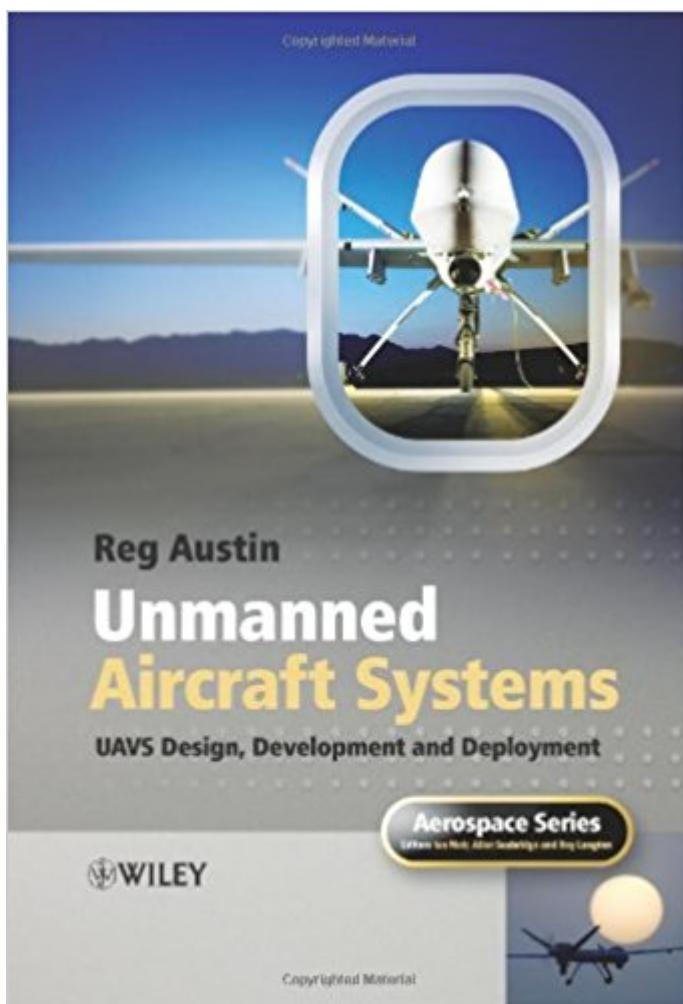The book was found

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.

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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

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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.

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