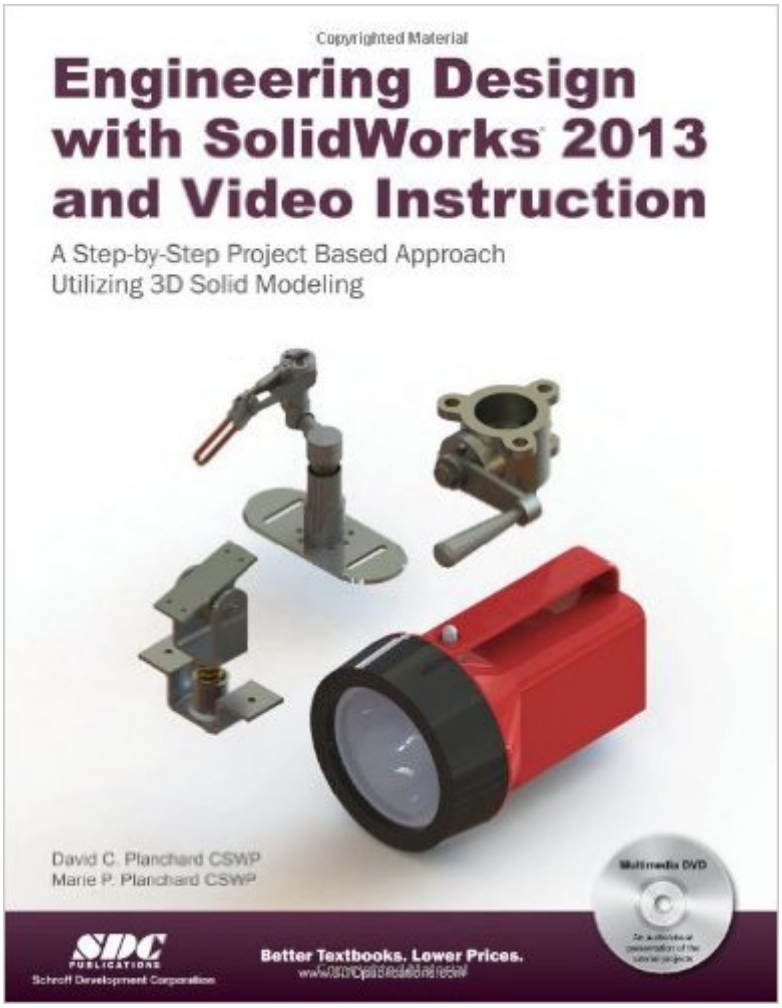
Engineering Design With SolidWorks 2013



Synopsis

Engineering Design with SolidWorks 2013 is written to assist students, designers, engineers and professionals. The book provides a solid foundation in SolidWorks by utilizing projects with step-by-step instructions for the beginning to intermediate SolidWorks user. Explore the user interface, CommandManager, menus, toolbars and modeling techniques to create parts, assemblies and drawings in an engineering environment. Follow the step-by-step instructions and develop multiple parts and assemblies that combine machined, plastic and sheet metal components. Formulate the skills to create, modify and edit sketches and solid features. Learn the techniques to reuse features, parts and assemblies through symmetry, patterns, copied components, design tables, Bills of Materials, Custom Properties and Configurations. Address various SolidWorks analysis tools: SimulationXpress, Sustainability / SustainabilityXpress and DFMXpress and Intelligent Modeling techniques. Learn by doing, not just by reading! Desired outcomes and usage competencies are listed for each project. Know your objective up front. Follow the steps in Projects 1 - 8 to achieve the design goals. Work between multiple documents, features, commands and custom properties that represent how engineers and designers utilize SolidWorks in industry. Review individual features, commands and tools with the enclosed multimedia DVD. The projects contain exercises. The exercises analyze and examine usage competencies. Collaborate with leading industry suppliers such as SMC Corporation of America, Boston Gear and 80/20 Inc. Collaborative information translates into numerous formats such as paper drawings, electronic files, rendered images and animations. On-line intelligent catalogs guide designers to the product that meets both their geometric requirements and performance functionality. The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers, department managers, vendors and manufacturers. These professionals are directly involved with SolidWorks everyday. Their responsibilities go far beyond the creation of just a 3D model. The book is designed to compliment the SolidWorks Tutorials contained in SolidWorks 2013. Table of Contents Introduction 1. Fundamentals of Part Modeling 2. Fundamentals of Assembly Modeling 3. Fundamentals of Drawing 4. Extrude and Revolve Features 5. Swept, Lofted and Additional Features 6. Top Down Assembly Modeling and Sheet Metal 7. SimulationXpress, Sustainability and DFMXpress 8. Intelligent Modeling Techniques Appendix Index

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Customer Reviews

I bought this for class. The book itself is difficult to get through. It's not very clear, well organized, or straight to the point. The DVD that accompanies the book, however, is fantastic. The tutorials teach you to use the program in short, clear, concise lessons. I would recommend buying this just for the DVD.

This is a great step by step book to learn Solidworks. It covers some theory but its main focus is to expose the user to the rich feature set of SolidWorks. Highly recomend it for a beginer or new user to CAD. The only caveat is that you should get the version that matches the version of SolidWorks you are learning. The DVD is worth the price of the book.

SDC publications.puts out yet another useful, informative, and easy to understand guide to maximizing Solidwork's solid modeling techniques. Video instruction is just another bonus

It's a good book and very helpful in learning the basics of Solidworks. There are plenty of typos, though, which isn't a big deal unless you're a grammar fanatic. Don't expect too much advanced training; it's geared towards beginners, so keep that in mind.

Design and Automation) Engineering Design with SOLIDWORKS 2016 and Video Instruction Engineering Design with SolidWorks 2014 and Video Instruction Official Certified SolidWorks Professional (CSWP) Certification Guide with Video Instruction: SolidWorks 2012-2014 Certified SOLIDWORKS Expert Preparation Materials SOLIDWORKS 2016 CSWE - Certified SolidWorks Expert Preparation Materials SolidWorks 2010 - 2015 Motion Simulation and Mechanism Design with SolidWorks Motion 2013 GO! with Microsoft PowerPoint 2013 Brief, GO! with Microsoft Excel 2013 Brief, GO! with Microsoft Access 2013 Brief 2013 ICD-9-CM for Hospitals, Volumes 1, 2, and 3 Professional Edition (Spiral bound), 2013 HCPCS Level II Professional Edition and 2013 CPT Professional Edition Package, 1e SOLIDWORKS 2016 and Engineering Graphics: An Integrated Approach Engineering Graphics with SOLIDWORKS 2016 and Video Instruction SOLIDWORKS 2015 and Engineering Graphics: An Integrated Approach SolidWorks 2014 and Engineering Graphics: An Integrated Approach Engineering Analysis with SOLIDWORKS Simulation 2016 Engineering & Computer Graphics Workbook Using SolidWorks 2014 Engineering Graphics with SolidWorks 2015 and Video Instruction