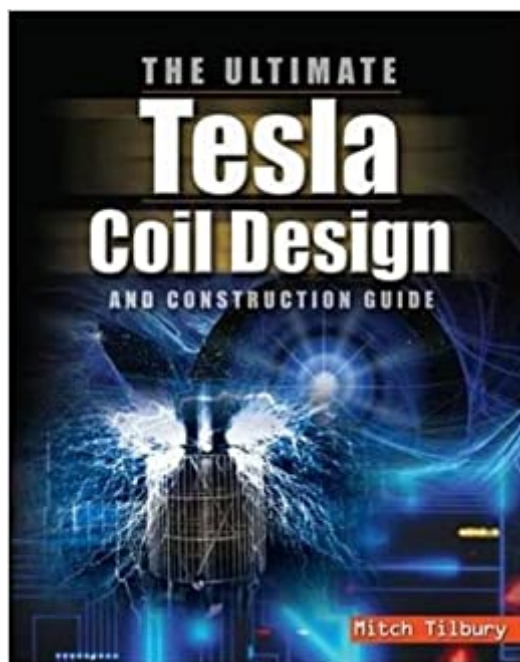


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# The ULTIMATE Tesla Coil Design And Construction Guide (Electronics)



## Synopsis

The only book available to cover the Tesla coil in so much detail The Ultimate Tesla Coil Design and Construction Guide is a one-stop reference covering the theory, design tools, and techniques necessary to create the Tesla coil using modern materials. This unique resource utilizes Excel spreadsheets to perform calculations and SPICE simulation models on the companion website to enhance understanding of coil performance and operating theory.

## Book Information

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## Customer Reviews

Mitch grew up on a farm in a small town in Minnesota. A move to Colorado as a teenager found him graduating high school in 1975 and leaving for boot camp in the U.S. Marine Corps. A twenty year military career as an electronics technician and CH-46 helicopter crewchief in the U.S. Navy brought him to retirement in 1998. He graduated Summa cum Laude from Southern Illinois University in 1991. Mitch transitioned to the space industry as a Reliability Engineer and Engineering Analyst where he currently conducts worst case performance, electrical stress, and failure modes and effects analyses, reliability predictions and a host of engineering tasks which assist in spacecraft design.

I built my first Spark gap style Tesla Coil at 12 years old, and I was hooked ever since then. I bought

this book thinking I would use it "one day when I have time", to build a large tesla coil, assuming the book would collect dust until then. Boy was I wrong!!! This book covers so much on subjects like inductance, and air core, iron core etc., as well as every single detail about capacitors you could ever want, with indispensable equations. Ultimately I found myself using this book constantly to aid in design of my other electronic projects, that employ high voltage capacitors, and inductors. I have referred back to this book hundreds of times already, and none of those incidents had anything to do with building a Tesla coil!

I'm 30% through this book. So far, I'm pleased by the wealth of design information. The spreadsheets provide an exhaustive, unabridged theoretical design tool. Hopefully this book will be just as thorough regarding actual construction. I bought the Kindle edition and I'm very disappointed by the quality of the figures and illustrations. None of them are clearly readable. If I could exchange the digital version for the paper book I would.

If you are good at math, this book is all you need to do any high freq or Tesla experiment. It tells all in this one thick well illustrated book. Buy this book and not 12 other books to learn and do your stuff. I wish I found this book 1st it would've saved me a ton of money.

If all you want to do is "make a Tesla coil and watch the pretty sparks" then I agree this book may be over your head, and yes to truly understand all that is in this book you will need a good electronics background. Having said that then the only other thing that can be said about this book is that it is without question the most comprehensive treatise ever written thus far regarding the theories and disciplines of Nikola Tesla. The electrical principles that Tesla was working on are still to this day not totally understood. From all that is in this book, it may be that the author, Mr. Tilbury, understands and knows more about Tesla's theories than anyone else there is. If you too would like to truly understand Tesla's theories, then this book is for you. This book would also be very useful as a supplement to electrical engineering courses in helping the student understand practical applications and how to perform SPICE analysis, one of the staples of everyday electrical engineering.

This is a high quality publication: well written, good diagrams, fair price. Delivery was prompt. However, publicity description is misleading and not at all in agreement with the caveats at the beginning of the text: construction is not so simple nor so inexpensive. Part at the end on the life

and achievements of Tesla is interesting, and a good complement to preceding information.

Great book also

This is something every home should build, included with micro-hydro, solar and wind; might even stand alone. Might have to experiment on that method before cold weather in November 2016/7.

Very nice book if you want to make a Tesla coil.

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