



by  
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**Weddle's Job-Seeker's Guide to Employment Web Sites 2001**

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For anyone looking for a job or just interested in what jobs are paying, *Weddle's Guide to Employment Web Sites* provides an organized and well-described listing of many job Web sites, saving you valuable time searching for the right site. The book lists 350 of the top employment Web sites in 2001, covering a wide range of jobs. This book not only includes an organized list of Web sites, but each site has a half-page of key information providing details like the types of jobs found through the site, site owners, date started, site description, who post the jobs—employers, headhunters, or staffing firms—and other information regarding the details of how resumes are handled. The most useful aspect of this book is in the index, where all the major job areas are categorized. This made it easy to review technical job sites, which is what the majority of our readers are generally interested in. There are 20 sites listed under engineering, eight under science/scientists, and 42 under general. While the well-known general sites, like monster.com and hotjobs.com are listed,

there are many other high-quality specialized sites listed.

Another useful feature is in the regional index list. Here the Web sites are broken down into regions in the United States. Therefore, if you were looking in a specific area of the U.S. these would provide another place to research. While it appears that many of the sites are in the U.S., there is a separate index listing 22 international Web sites (five in Canada). This book is a great resource for today's job searcher since so many jobs are listed on the Internet and the Internet provides quick and easy access to all the listings.

**Understanding FACTS—Concepts and Technology of Flexible AC Transmission Systems**

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The flexible ac transmission system (FACTS) is a new technology, based on power electronics, to enhance power system capability through the ability of high-speed electronic control of ac transmission line parameters. Written by two pioneers in FACTS technology, Hingorani and Gyugyi, they present a very useful guide for power electronic application engineers, which emphasizes explanations of the physical principles rather than detailed mathematical theory. This book gives the reader a broad understanding of the entire FACTS technology and enables them to apply this information towards advancing this technology.

Chapter 1 concisely summarizes the concepts and benefits of FACTS technology. Just by reading the first chapter you will have a very good understanding of the concepts, circuits, background, and some history in FACTS technology. Chapter 2 is a review of the present state of the art in power electronic components, namely, thyristors, MOSFETS, gate-turn-off thyristors, GCTs, IGCTs, IGBTs, MCTs, and MTOs. Since there are other books in this area, this chapter gives the reader just enough information on each device to understand the issues, advantages, and limitations of each device to make component decisions based on the type of circuit being designed. The next two chapters describe various types of converter circuits—voltage and current sourced. The next few chapters deal with compensators and regulators. There are static shunt compensators, STATCOM, various static series compensators, and static voltage and phase angle regulators. All the circuits are thoroughly described and illustrated to enable the reader a thorough understanding of each circuit. There is also a chapter of application examples, which gives four examples to show the planning, specifications, design, and operation of four different FACTS systems.

The great number of illustrations and numerous references at the end of each chapter will be appreciated by the reader, and make the book very easy to read and grasp the concepts being presented. Anyone working with power electronics for power flow control will greatly appreciate this book.

**Numerical Distance Protection—Principles and Applications**

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