



Fundamental Elements of Applied Superconductivity in Electrical Engineering

By Yinshun Wang

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Superconducting technology is potentially important as one of the future smart grid technologies. It is a combination of superconductor materials, electrical engineering, cryogenic insulation, cryogenics and cryostats. There has been no specific book fully describing this branch of science and technology in electrical engineering. However, this book includes these areas, and is essential for those majoring in applied superconductivity in electrical engineering.

Recently, superconducting technology has made great progress. Many universities and companies are involved in applied superconductivity with the support of government. Over the next five years, departments of electrical engineering in universities and companies will become more involved in this area. This book:

- will enable people to directly carry out research on applied superconductivity in electrical engineering
- is more comprehensive and practical when compared to other advances
- presents a clear introduction to the application of superconductor in electrical engineering and related fundamental technologies
- arms readers with the technological aspects of superconductivity required to produce a machine
- covers power supplying technologies in superconducting electric apparatus
- is well organized and adaptable for students, lecturers, researchers and engineers
- lecture slides suitable for lecturers available on the Wiley Companion Website

Fundamental Elements of Applied Superconductivity in Electrical Engineering is ideal for academic researchers, graduates and undergraduate students in electrical engineering. It is also an excellent reference work for superconducting device researchers and engineers.

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Bibliography

- Sales Rank: #5165442 in Books
- Brand: Brand: Wiley
- Published on: 2013-06-24
- Original language: English
- Number of items: 1
- Dimensions: 9.70" h x 1.10" w x 6.90" l, 1.85 pounds
- Binding: Hardcover
- 400 pages

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Editorial Review

From the Back Cover

The superconducting technology is potential important technology and one of future smart grid technologies, it is a combination of superconductor material, electrical engineering, cryogenic insulation, cryogenic, cryostat. There is no such specific book systematically involving those full of science and technology in electrical engineering. The book can include those areas, and is essential for people majoring applied superconductivity in electrical engineering. Recently, the superconducting technology has made great progress. Many Universities, companies involve in the applied superconductivity under supporting by government.

In next 5 years, many people from schools of electrical engineering of University and companies will involve in this area. The people can directly do research on applied superconductivity in electrical engineering after learning the book. It is more comprehensive and practical compared with other advances.

- Presents a clear introduction to the application of superconductor in electrical engineering and related fundamental technologies
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About the Author

Yinshun Wang, North China Electric Power University, China

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