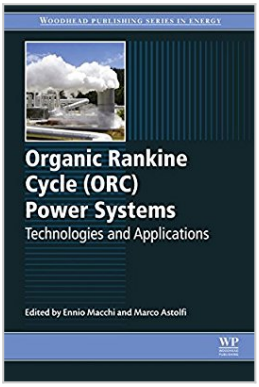

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy)

From Woodhead Publishing

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) From Woodhead Publishing

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications provides a systematic and detailed description of organic Rankine cycle technologies and the way they are increasingly of interest for cost-effective sustainable energy generation. Popular applications include cogeneration from biomass and electricity generation from geothermal reservoirs and concentrating solar power installations, as well as waste heat recovery from gas turbines, internal combustion engines and medium- and low-temperature industrial processes. With hundreds of ORC power systems already in operation and the market growing at a fast pace, this is an active and engaging area of scientific research and technical development.

The book is structured in three main parts: (i) Introduction to ORC Power Systems, Design and Optimization, (ii) ORC Plant Components, and (iii) Fields of Application.

- Provides a thorough introduction to ORC power systems
- Contains detailed chapters on ORC plant components
- Includes a section focusing on ORC design and optimization
- Reviews key applications of ORC technologies, including cogeneration from biomass, electricity generation from geothermal reservoirs and concentrating solar power installations, waste heat recovery from gas turbines, internal combustion engines and medium- and low-temperature industrial processes
- Various chapters are authored by well-known specialists from Academia and ORC manufacturers

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy)

From Woodhead Publishing

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) From Woodhead Publishing

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications provides a systematic and detailed description of organic Rankine cycle technologies and the way they are increasingly of interest for cost-effective sustainable energy generation. Popular applications include cogeneration from biomass and electricity generation from geothermal reservoirs and concentrating solar power installations, as well as waste heat recovery from gas turbines, internal combustion engines and medium- and low-temperature industrial processes. With hundreds of ORC power systems already in operation and the market growing at a fast pace, this is an active and engaging area of scientific research and technical development.

The book is structured in three main parts: (i) Introduction to ORC Power Systems, Design and Optimization, (ii) ORC Plant Components, and (iii) Fields of Application.

- Provides a thorough introduction to ORC power systems
- Contains detailed chapters on ORC plant components
- Includes a section focusing on ORC design and optimization
- Reviews key applications of ORC technologies, including cogeneration from biomass, electricity generation from geothermal reservoirs and concentrating solar power installations, waste heat recovery from gas turbines, internal combustion engines and medium- and low-temperature industrial processes
- Various chapters are authored by well-known specialists from Academia and ORC manufacturers

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) From Woodhead Publishing Bibliography

- Rank: #1539484 in eBooks
- Published on: 2016-08-24
- Released on: 2016-08-24
- Format: Kindle eBook

Editorial Review

About the Author
Ennio Macchi is Emeritus Professor at Politecnico di Milano. He has been full professor of “Energy Conversion” at Politecnico for over 30 years and was the first Director of the Energy Department of Politecnico. He was the founder and the scientific coordinator of the internationally recognized Research Group “GECoS” of the Politecnico di Milano. In the ‘70s, together with his colleagues Prof. Angelino and Prof. Gaia, he initiated the successful Italian activity on ORC. He is the author of more than 200 papers and books on various energy topics and consultant of several Companies, including ORC manufacturers.

Dr Marco Astolfi is an Assistant Professor in the Energy Department of Politecnico di Milano and he is lecturer of Energy Conversion. His studies are focused on the design and the techno-economic optimization of ORC cycles in particular for exploitation of low temperature geothermal sources and solar energy in CSP plants. Besides this topic he is currently working on the design of stand-alone microgrid for rural electrification with a high penetration of renewable energy sources and salinity gradient technologies for energy production.

Users Review

From reader reviews:

Ashley Staley:

Now a day those who Living in the era exactly where everything reachable by connect with the internet and the resources inside can be true or not involve people to be aware of each info they get. How people have to be smart in obtaining any information nowadays? Of course the correct answer is reading a book. Looking at a book can help persons out of this uncertainty Information mainly this Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) book because this book offers you rich details and knowledge. Of course the info in this book hundred % guarantees there is no doubt in it as you know.

Sandra Hughes:

Reading a e-book tends to be new life style within this era globalization. With reading you can get a lot of information that can give you benefit in your life. Together with book everyone in this world can share their idea. Books can also inspire a lot of people. A great deal of author can inspire their own reader with their story or their experience. Not only the storyplot that share in the ebooks. But also they write about the information about something that you need illustration. How to get the good score toefl, or how to teach your young ones, there are many kinds of book which exist now. The authors these days always try to improve their ability in writing, they also doing some analysis before they write to their book. One of them is this Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy).

Augustine Klotz:

Beside this specific Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) in your phone, it could possibly give you a way to get closer to the new knowledge or information. The information and the knowledge you may got here is fresh in the oven so don't end up being worry if you feel like an old people live in narrow community. It is good thing to have Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) because this book offers for your requirements readable information. Do you at times have book but you would not get what it's facts concerning. Oh come on, that will not happen if you have this in your hand. The Enjoyable blend here cannot be questionable, like treasuring beautiful island. So do you still want to miss the item? Find this book in addition to read it from right now!

George Walker:

Don't be worry when you are afraid that this book will filled the space in your house, you may have it in e-book technique, more simple and reachable. This kind of Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) can give you a lot of close friends because by you taking a look at this one book you have point that they don't and make you actually more like an interesting person. This specific book can be one of a step for you to get success. This e-book offer you information that perhaps your friend doesn't learn, by knowing more than other make you to be great individuals. So , why hesitate? Let's have Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy).

Read Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) From Woodhead Publishing for online ebook

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) From Woodhead Publishing Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) From Woodhead Publishing books to read online.

Online Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) From Woodhead Publishing ebook PDF download

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) From Woodhead Publishing Doc

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) From Woodhead Publishing Mobipocket

Organic Rankine Cycle (ORC) Power Systems: Technologies and Applications (Woodhead Publishing Series in Energy) From Woodhead Publishing EPub