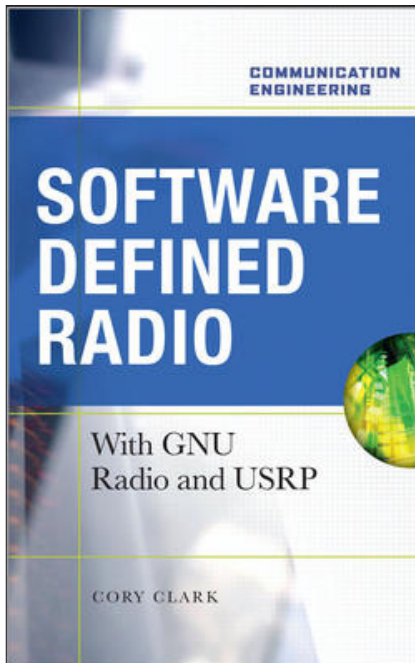


Software Defined Radio : with GNU Radio and USRP: 1st Edition

By Cory Clark



ISBN:	9780071498838	Pub Date:	May 2008
Prev ISBN:	None	Pages:	320
EAN:	9780071498838	Illus:	40
UPC:		CDROM:	no
Price & Disc.	AUS \$160.00 NZ \$175.00	Trim & Binding:	15.2 X 22.9cm Hardcover

All information is subject to change without prior notice.

The Market

- **Primary Market:** Electronic and communications engineers working in wireless, telecommunications, and broadcasting; students.

Key Features and Benefits

- Market: electronic and communications engineers working in wireless, telecommunication, and broadcasting
- SDRs are crucial for the military and cell phone services, both of which must serve a wide variety of changing radio protocols
- Includes working examples of software defined radios based on GNU libraries

About the Author

Cory L. Clark (Miramar, FL) is a Senior Software Engineer with Motorola, where he leads a DSP software team and has developed many LabVIEW-based DSP tools. He holds a Masters in Electrical Engineering from Georgia Tech.

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- Chapter 2. SDR Block Diagrams
- Chapter 3. SDR Applications
- Chapter 4. The GNU Radio Project
- Chapter 5. Downloading and Installing the GNU Radio
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- Chapter 13. 802.xx
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- Chapter 17. Spectrum Analyser

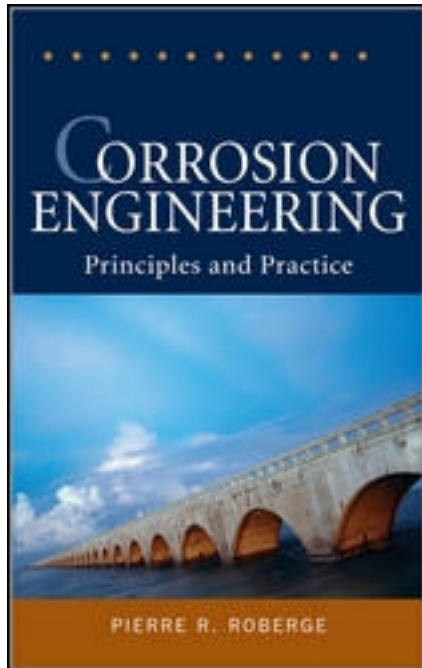
Book Description/Additional Information

Covers a wide variety of changing radio protocols

This resource teaches you how to design and program Software Defined Radios (communication systems that can be quickly and inexpensively reconfigured) for the rapidly-changing wireless communications market. You will learn how to use the free GNU Radio libraries to design and modulate software radios for a broad array of commercial and military applications.

Corrosion Engineering : Principles and Practice: 1st Edition

By Pierre R. Roberge



ISBN:	9780071482431	Pub Date:	May 2008
Prev ISBN:	None	Pages:	500
EAN:	9780071482431	Illus:	300
UPC:		CDROM:	no
Price & Disc.	AUS \$185.00 NZ \$210.00	Trim & Binding:	15.2 X 22.9cm Hardcover

All information is subject to change without prior notice.

The Market

- **Primary Market:** Students in all areas of engineering – mechanical, civil, environmental, manufacturing and chemical. Courses are offered in manufacturing, materials and metallurgy, materials science & engineering, materials processing, environmental and civil engineering. Professional interest will be strong among civil/environmental, mechanical, material science, aerospace, and manufacturing engineers.

Key Features and Benefits

- Includes numerous industrial examples with calculations
- Features corrosion problems within many industrial areas including infrastructure, process and good industries and other manufacturing or military industries

About the Author

Pierre R. Roberge, Ph.D., P.E., is a professor at the Royal Military College of Canada, where he teaches materials engineering, corrosion engineering, and electrochemical power sources. He previously worked as a research scientist in industry, specialising in the performance of materials in service and the production of energy with electrochemical power sources. Dr. Roberge has written numerous journal articles and conference papers and is the author of several engineering titles, including *McGraw-Hill's Handbook of Corrosion Engineering*.

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- Chapter 2: Electrochemistry of Corrosion

Part II: Environments

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- Chapter 4: Corrosion by Water and Steam
- Chapter 5: Corrosion in Soils
- Chapter 6: Reinforced Concrete
- Chapter 7: High-Temperature Corrosion

Part III: Materials and How They Corrode

- Chapter 8: Engineering Materials
- Chapter 9: Forms of Corrosion

Part IV: Methods of Control

- Chapter 10: Protective Coatings
- Chapter 11: Cathodic Protection
- Chapter 12: Corrosion Inhibitors
- Chapter 13: Failure Analysis and Design Considerations

PART V: Testing and Monitoring

- Chapter 14: Corrosion Testing and Monitoring

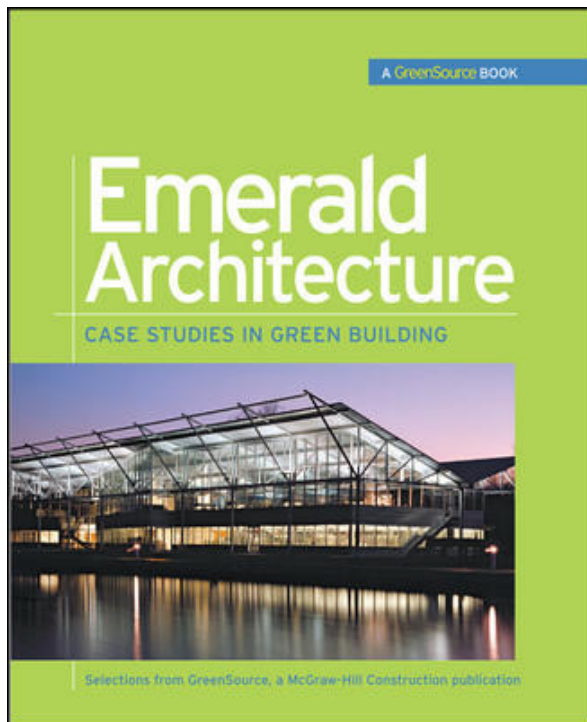
Book Description/Additional Information

Features corrosion problems within many industrial areas

Corrosion Engineering offers in-depth, practical coverage of how corrosion affects metallic materials and the latest methods of preventing it. You will learn how to check for and control corrosion in all types of materials and applications – from pipelines to bridges to manufacturing devices – before they fail.

Emerald Architecture : Case Studies in Green Building: 1st Edition

By GreenSource Magazine



ISBN:	9780071544115	Pub Date:	May 2008
Prev ISBN:	None	Pages:	192
EAN:	9780071544115	Illus:	250
UPC:		CDROM:	no
Price & Disc.	AUS \$95.00 NZ \$105.00	Trim & Binding:	21.6 X 27.9cm Hardcover

All information is subject to change without prior notice.

The Market

A vital tool for everyone who wants to capitalize on the latest advances in sustainable design and construction

Key Features and Benefits

- *Emerald Architecture* is a true one-stop resource for the planning and designing of sustainable structures
- Sustainable development has become a global concern, making headlines worldwide
- Key parameters for each project including location, square footage, and costs
- Charts for tracking climate and rainfall patterns for forecasting energy needs
- International as well as domestic case studies

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About the Authors

GreenSource Magazine is a publication devoted to sustainable design and construction. The magazine provides owners, architects, interior designers, and other construction professionals with the latest guidance on designing and constructing environmentally responsible buildings. GreenSource Magazine features advances in building technology, developments in legislation and products, and all other information essential to designing sustainable buildings that are both beautiful and functional

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- Chapter 1. Grade School
- Chapter 2. College Classroom Building
- Chapter 3. Office
- Chapter 4. Lab
- Chapter 5. Library
- Chapter 6. Government Building
- Chapter 7. Summer Camp

Book Description/Additional Information

Design inspiration for structures that are beautiful as well as sustainable

This unique and lavishly illustrated guide offers invaluable inspiration for the planning of sustainable structures and facilities. Twenty-five in-depth case studies provide information for a wide variety of projects - from schools, offices, and labs to libraries and a summer camp. Each case study includes a description of the building, how it works, and how successful it has been.