



Spotlight on eBooks



eBooks provide a number of benefits to scientific researchers, including the ability to search across collections to find very specific data and formulas; desktop access to content available 24/7, at the point of need; expanded and up-to-date coverage across subject areas; and enhanced functionality. In response to user demand and current library trends, the Boulder Labs Library offers three eBook collections: ebrary, IEEE-Wiley eBooks Library, and Books 24x7. These collections were chosen because they support the research conducted at the Boulder Labs, and are the focus of this edition of the Library Liaison News. All of the books available in these collections can also be found via the Library's [online catalog](#). Read on to learn more about these collections and how they might be useful to you.

--Joan Segal; joan.s.segal@noaa.gov; X5550

ebrary: eBooks for Every Research Need

No matter your line of research at the Boulder Labs, [ebrary](#) has an eBook for you. ebrary's collection is constantly growing, with new titles added quarterly. It now contains over 1,000 titles from a variety of publishers, with topics relevant to all areas of research at Boulder Labs, such as:

- climate change
- electromagnetics
- environmental chemistry
- fluid dynamics
- frequency allocation
- quantum computation
- quantum photonics
- remote sensing
- wireless networks
- and more

Researchers can help build the Library's permanent collection via the Patron Driven Acquisition model, with a purchase triggered by downloading a book, actively using it for over 10 minutes, or printing/copying any part of the text.

Features include saving, managing, and sharing searches, using ebrary's proprietary e-reader, as well as the ability to download titles via Adobe Digital Editions. InfoTools enables you to link out to other online resources while reading a text, supplying background information to supplement your research.

Selected eBooks Available via ebrary

[Big data : a revolution that will transform how we live, work, and think](#) by Viktor Mayer-Schonberger & Kenneth Cukier (2013)

[Climate forcing of geological hazards](#) edited by Bill McGuire and Mark Maslin. (2013)

[Data intensive science](#) edited by Terence Critchlow & Kerstin Kleese van Dam. (2013)

[Data points: visualization that means something](#) by Nathan Yau. (2013)

[An introduction to atmospheric gravity waves](#) by Carmen J. Nappo. (2013)

[Measurement data modeling and parameter estimation](#) by Zhengming Wang, et al. (2012)

[Statistical methods of geophysical data processing](#) by Vladimir Troyan & Yurii Kiselev.

[The sun, the solar wind, and the heliosphere](#) edited by Mari Paz Miralles, Jorge Sánchez Almeida. (2011)

[Tsunami: from fundamentals to damage mitigation](#) edited by S. Mambretti. (2013)

IEEE-Wiley eBook Library Provides Convenient, Cutting-Edge Content

IEEE-Wiley eBooks for NGDC

[*Data mining: concepts, models, methods, and algorithms*](#) by Mehmed Kantardzic. (2011)

[*Information overload: an international challenge to professional engineers and technical communicators*](#) edited by Judith B. Strother, et al. (2012)

[*Effective interpersonal and team communication skills for engineers*](#) by Clifford and Leslie Whitcomb (2013)

[*Practical database programming with Java*](#) by Ying Bai. (2011)

[*Remote sensing and actuation using unmanned vehicles*](#) by Haiyang Chao & YangQuan Chen. (2012)

[*Remote sensing with polarimetric radar*](#) by Harold Mott. (2007)

CRC Handbook of Chemistry and Physics—Online

The [*CRC Handbook of Chemistry and Physics*](#) is available online, with several unique features to make searching fast and easy.

One new and exciting feature allows you to search from over 10,000 chemical compounds. When searching by compound, a special input field enables you to illustrate a chemical structure diagram to build into your query. You may also select from a list of chemical properties to add to the search.

Some familiar features include new and revised data tables, as well as a table of contents with topics that expand into sub-sections.

The CRC Handbook can be accessed via the Boulder Labs Library [Catalog](#).

[IEEE-Wiley eBooks Library](#) offers quick, full-text access to 640 IEEE titles. It shares the [IEEE Xplore](#) platform, making eBook access a familiar experience for users.

Also, 570 MIT Press titles are listed in IEEE-Wiley, though only abstracts/tables of contents are available. These can be filtered out by checking “IEEE” in the “Filter These Results” box.

The IEEE-Wiley eBook collection contains handbooks, textbooks, reference works, and books for professionals on the cutting edge of their field.

The topics covered in IEEE-Wiley are in areas relevant to NIST and

NTIA users, including bioengineering, communications, computer science, mathematics, engineering, photonics, energy, and more. Additionally, NOAA researchers may find the geoscience and more general titles useful.

Once you select an eBook, you can download chapters by PDF from the Table of Contents, and save them to a project folder upon login. An abstract, content summary, and cover scan are also provided. Search for individual chapters by title, subject, or keyword.

Sharpen Your Skills with Books 24x7

Whether you need help with an Excel formula or using tables in Word, programming a website using Grails or assessing data quality, streamlining network management or sharpening your leadership skills, Books24x7 has a resource for you.

To access Books 24x7, you must register for an account. Instructions for registration can be found on the Library’s website at: <http://library.blrdoc.gov/books24x7.html>. Once registered, you will have access to over 10,000 eBook titles in such subject areas as desktop applications, computer operating systems, programming and networks, business management and telecommunications.

Books can be searched by title, ISBN, author or keyword, across all content. You also have the ability to highlight and share portions of the eBook, create folders and export title lists.

Selected Books 24x7 eBooks for NGDC

[*The Definitive guide to grails 2*](#) by Jeff Brown & Graeme Rocher (2013)

[*Designing the search experience: the information architecture of discovery*](#) by Tony Russell-Rose & Tyler Tate. (2013)

[*Excel 2013 bible*](#) by John Walkenbach. (2013)

[*Network intrusion analysis: methodologies, tools, and techniques for incident analysis and response*](#) by Joe Fichera & Steven Bolt. (2013)

[*Programming with JavaScript: algorithms and applications for desktop and mobile browsers*](#) by John David Dionisio & Ray Toal. (2013)

[*Visual intelligence : Microsoft tools and techniques for visualizing data*](#) by Mark Stacey et al. (2013)