

Boulder Labs Library, serving NOAA, NIST & NTIA

<http://library.blrdoc.gov/>

Ringling in a New Year of Research

As your Library Liaison, I want to wish you a Happy New Year and update you on library resources and services for 2012.

In 2011, the Library added a number of books to the collection. Those relevant to 682 are detailed in the list below.

2012 began with a 20% decrease to the Library's overall budget. To learn how these cuts will impact access to research materials see pages 2 & 3 of this newsletter.

As always, the Library staff will continue to support your research needs. If



you have any questions please contact your liaison, Mike Robinson at mike.robinson@noaa.gov, x5569

Selected Books Added in 2011

Books at Main Library

- QA276 .W2986 2011. **Reliability in scientific research: improving the dependability of measurements, calculations, equipment, and software** / I. R. Walker. ([Website](#))
- QC171.2 .D46 2010. **Atoms, molecules and photons: an introduction to atomic-, molecular-, and quantum-physics** / Wolfgang Demtroder. 2nd ed. ([Website](#))
- QC 176.84 .S93 .S87 2011. **Surface and thin film analysis: a compendium of principles, instrumentation, and applications** / edited by Gernot Friedbacher and Henning Bubert. 2nd ed. ([Website](#))
- QC611 .Q35 2010. **Quantum materials: lateral semiconductor nanostructures, hybrid systems and nanocrystals** / Detlef Heitmann, editor. ([Website](#))
- QC688 .R39 2010. **Technology of quantum devices** / Manijeh Razeghi. ([Website](#))
- T174.7 .N37 2011. **Nanotechnology standards** / Vladimir Murashov, John Howard, editors. ([Website](#))
- TA357 .M58 2010. **Quantum mechanics for nanostructures** / Vladimir V. Mitin, Dmitry I. Sementsov, Nizami Z. Vagidov. ([Website](#))
- TA403 .C48 2010. **Functional materials : electrical, dielectric, electromagnetic, optical and magnetic applications** / Deborah D.L. Chung. ([Website](#))
- TA418.7 .W47 2011. **Handbook of surface and nanometrology** / David J. Whitehouse. ([Website](#))
- TA418.9 .N35 .G36 2010. **Precision nanometrology : sensors and measuring systems for nanomanufacturing** / Wei Gao. ([Website](#))
- TK454.4 .M3 .T86 2011. **Handbook of magnetic measurements** / Slawomir Tumanski. ([Website](#))
- TK2960 .F66 2010. **Solar cell device physics** / Stephen J. Fonash. ([Website](#))
- TK7872 .D48 .N49 2011. **New developments and applications in sensing technology** Lay-Ekuakille, and Anton Fuchs (eds.). ([Website](#))
- TK7872 .M3 .L58 2011. **Lithography: main techniques** / edited by Stefan Landis. ([Website](#))
- TK7874 .L384 2010. **Principles of lithography** / Harry J. Levinson. 3rd ed. ([Website](#))

Highlights

Journals Dropped	2
eBook News	3
Ingenta Intouch	3



Journal Subscriptions Dropped

Due to budget cuts, the Library has dropped the following journal subscriptions for 2012. All other subscriptions will be online only unless they are not available electronically. Requests to reinstate a journal subscription should be directed to the Boulder Labs Board of Directors via your division's supervisor.



Acta Acustica United with Acustica	Journal of Near Infrared Spectroscopy
Advances in Physics	Journal of Optical Communications
Air and Space Smithsonian	Journal of Testing and Evaluation
Annals of Applied Statistics	Journal of the Audio Engineering Society
Annals of Statistics	J of the Meteorological Society of Japan
Applied Physics Express	Journal of Turbulence
Astronomy and Space Science	Kiplinger Letter
Broadcast Engineering	Laser Focus World & World Buyers' Guide
Business Week	Leading Edge
Canadian Journal of Chemical Engineering	Linux Journal
Chemical Engineering	Machine Design
Chemical Engineering Progress	Macworld
Chemistry: A European Journal	Materials Evaluation
Communications in Stats – Sim and Comp	Mathematical Intelligencer
Communications of the ACM	Mathematics of Computation
Communications on Pure and Applied Math	Microwave Journal
Complexity	Microwaves and RF
Computer Modeling in Engineering and Sci	MRS Bulletin
Consumer Reports	MSDV Magazine
Contemporary Physics	NASA Tech Briefs
Cyberskeptic's Guide to Internet Research	Naturwissenschaften
Electromagnetics	New Scientist (Branch Copy)
EM (Environmental Monitor)	Nir News
Environment	PC World
Environmental Conservation	Philosophical Magazine
Environmental Monitoring and Assess.	Physics World
Federal Employees News Digest	Popular Communications
Federal Times (Branch Copy)	Pubs of the Astronomical Society of Japan
Geological Society of America Bulletin	Pure and Applied Geophysics
Geophysics	QEX
Geosphere	QST
GPS World	Quarterly of Applied Mathematics
Green Chemistry	Radiophysics and Quantum Electronics
Interface	Remote Sensing Letters
Intl Journal of Materials Research	Scanning
International Journal of Meteorology	Separation Science and Technology
International Journal of Remote Sensing	Siam Journal on Mathematical Analysis
Japanese Journal of Applied Physics	Siam Journal on Optimization
JETP	Sky and Telescope
JETP Letters	Space News International
Journal of Applied Mechanics	Technology Review
Journal of Biomedical Optics	Theory of Probability and its Applications
Journal of Chemical Engineering of Japan	Wall Street Journal
Journal of Chromatographic Science	Welding in the World
Journal of Computational Acoustics	Welding Journal
Journal of Electromag Waves and Apps	Zeitschrift fur Naturforschung A
Journal of Nanosci and Nanotech	

eBook News

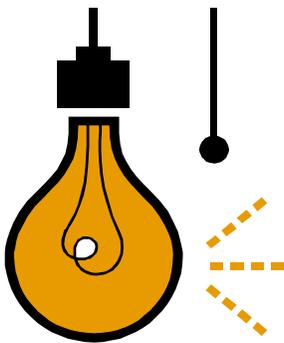
IEEE-Wiley

Forty new titles were added to the [IEEE-Wiley eBooks Library](#) in 2011, including such works as:

- Advanced Biomedical Image Analysis
- Applications of High Temperature Superconductors to Electric Power Equipment
- Engineering Quantum Mechanics

The IEEE-Wiley eBooks Library was acquired in August of 2010, and provides instant access to over 500 technical titles in such areas as: Engineering, Geosciences and Computing.

With this addition, the Boulder Labs Library also procured site-wide access to the entire [IEEE Xplore](#) database of journals and conference proceedings. Previously, this resource had been available only to Boulder NIST employees.



Ingenta InTouch Discontinued

The Library's subscription to Ingenta InTouch will expire on June 31st. It will not be renewed, because table of contents and search alerts are now freely available from publishers and database providers. Library Liaisons will be contacting users registered with the service to help

ebrary

The Library is implementing [ebrary](#), an ebook platform that allows access to titles from a large number of publishers. The collection is being built on a title by title basis, and currently consists of these five volumes:

- Changing Climates, Earth Systems and Society
- IAGA Special Sopron Book: Sun, the Solar Wind, and the Heliosphere
- Nanotechnology in Tissue Engineering and Regenerative Medicine
- Quantum Computation and Quantum Information: 10th Anniversary Edition
- Signals and Communication Technology: High Quality Visual Experience

As funds permit, we will be expanding this collection with user requests and librarian recommendations.

All of the Library's ebooks are searchable via our [online catalog](#). We welcome your recommendations for books via our [online form](#). Please specify whether you prefer electronic or print format via the drop down menu provided on the form.

eBook Collections Cancelled Due to Low Use

- Access Science
- Access Engineering



migrate their scheduled alerts to the appropriate publisher and database websites. If you would like more information or assistance please contact Mike Robinson at mike.robinson@noaa.gov, x5569.