Library Liaison News

Boulder Labs Library, serving NOAA, NIST & NTIA
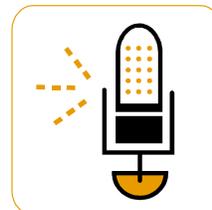
http://library.bldrdoc.gov/

Ringing 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 NIST 771 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, Aric Villarreal at aric.villarreal@noaa.gov , x3003

Selected Books Added in 2011

Books at Main Library

- Q183.9 .Q83 2010. **Scientific computing with MATLAB and Octave** / Alfio Quarteroni, Fausto Saleri, Paola Gervasio. 3rd ed. (Website)
- QA76.575 .W52 2010. **Mathematics for multimedia** / Mladen Victor Wickerhauser. (Website)
- QA273.6 .S72 2011. **Statistical distributions** / Catherine Forbes ... [et al.]. 4th ed. (Website)
- QA276 .W2986 2011. **Reliability in scientific research: improving the dependability of measurements, calculations, equipment, and software** / I. R. Walker. (Website)
- QA279 .L59 2009. **Practical guide to scientific data analysis** / David Livingstone. (Website)
- QA279.5 .C648 2010. **Applied Bayesian hierarchical methods** / Peter D. Congdon (Website)
- QA280 .S58 2011. **Time series analysis and its applications: with R examples** / Robert H. Shumway, David S. Stoffer. 3rd ed. (Website)
- QA298 .K76 2011. **Handbook of Monte Carlo methods** / Dirk P. Kroese, Thomas Taimre, Zdravko I. Botev. (Website)
- QA372 .S81 2011. **Handbook of sinc numerical methods** / Frank Stenger. (Website)
- QA377 .E95 2010. **Partial differential equations** / Lawrence C. Evans. 2nd ed. (Website)
- QA379 .S72 2011. **Green's functions and boundary value problems** / Ivar Stakgold, Michael J. Holst. 3rd ed. (Website)
- QC174.17.M4 W57 2010. **Quantum measurement and control** / Howard M. Wiseman, Gerard J. Milburn. (Website)
- QC 355.3 .G38 2011. **Mathematical methods for optical physics and engineering** / Greg Gbur. (Website)
- T50 .H36 2010. **Handbook of Metrology** / edited by Michael Glaser and Manfred Kochsiek. (Website)
- TA345 .D83 2011. **Advanced engineering mathematics with MATLAB** / Dean G. Duffy. 3rd ed. (Website)
- TA355 .B67 2011. **Noise and vibration analysis : signal analysis and experimental procedures** / Anders Brandt (Website)
- TK5102.9 .G69 2011. **Fundamentals of wavelets: theory, algorithms, and applications** / Jaideva C. Goswami, Andrew K. Chan. 2nd ed. (Website)

Highlights

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
ADVANCES IN PHYSICS
AIR AND SPACE SMITHSONIAN
ANNALS OF APPLIED STATISTICS
ANNALS OF STATISTICS
APPLIED PHYSICS EXPRESS ASTRONOMY
ASTROPHYSICS AND SPACE SCIENCE
BROADCAST ENGINEERING
BUSINESSWEEK
CANADIAN JOURNAL OF CHEMICAL ENGINEERING
CHEMICAL ENGINEERING
CHEMICAL ENGINEERING PROGRESS
CHEMISTRY: A EUROPEAN JOURNAL
COMMUNICATIONS IN STATS – SIM AND COMP
COMMUNICATIONS OF THE ACM
COMMUNICATIONS ON PURE AND APPLIED MATH
COMPLEXITY
COMPUTER MODELING IN ENGINEERING AND SCI
CONSUMER REPORTS
CONTEMPORARY PHYSICS
CYBERSKEPTIC'S GUIDE TO INTERNET RESEARCH
ELECTROMAGNETICS
EM (ENVIRONMENTAL MONITOR)
ENVIRONMENT
ENVIRONMENTAL CONSERVATION
ENVIRONMENTAL MONITORING AND ASSESS.
FEDERAL EMPLOYEES NEWS DIGEST
FEDERAL TIMES (Branch copy)
GEOLOGICAL SOCIETY OF AMERICA BULLETIN
GEOPHYSICS
GEOSPHERE
GPS WORLD
GREEN CHEMISTRY
INTERFACE
INTL JOURNAL OF MATERIALS RESEARCH
INTERNATIONAL JOURNAL OF METEOROLOGY
INTENATIONAL JOURNAL OF REMOTE SENSING
JAPANESE JOURNAL OF APPLIED PHYSICS
JETP
JETP LETTERS
JOURNAL OF APPLIED MECHANICS
JOURNAL OF BIOMEDICAL OPTICS
JOURNAL OF CHEMICAL ENGINEERING OF JAPAN
JOURNAL OF CHROMATOGRAPHIC SCIENCE
JOURNAL OF COMPUTATIONAL ACOUSTICS
JOURNAL OF ELECTROMAG WAVES AND APPS
JOURNAL OF NANOSCI AND NANOTECH
JOURNAL OF NEAR INFRARED SPECTROSCOPY
JOURNAL OF OPTICAL COMMUNICATIONS
JOURNAL OF TESTING AND EVALUATION
JOURNAL OF THE AUDIO ENGINEERING SOCIETY
J OF THE METEOROLOGICAL SOCIETY OF JAPAN
JOURNAL OF TURBULENCE

KIPLINGER LETTER
LASER FOCUS WORLD & WORLD BUYERS' GUIDE
LEADING EDGE
LINUX JOURNAL
MACHINE DESIGN
MACWORLD
MATERIALS EVALUATION
MATHEMATICAL INTELLIGENCER
MATHEMATICS OF COMPUTATION
MICROWAVE JOURNAL
MICROWAVES AND RF
MRS BULLETIN
MSDN MAGAZINE
NASA TECH BRIEFS
NATURWISSENSCHAFTEN
NEW SCIENTIST (Branch copy)
NIR NEWS
PC WORLD
PHILOSOPHICAL MAGAZINE
PHYSICS WORLD
POPULAR COMMUNICATIONS
PUBS OF THE ASTRONOMICAL SOCIETY OF JAPAN
PURE AND APPLIED GEOPHYSICS
QEX
QST
QUARTERLY OF APPLIED MATHEMATICS
RADIOPHYSICS AND QUANTUM ELECTRONICS
REMOTE SENSING LETTERS
SCANNING
SEPARATION SCIENCE AND TECHNOLOGY
SIAM JOURNAL ON MATHEMATICAL ANALYSIS
SIAM JOURNAL ON OPTIMIZATION
SKY AND TELESCOPE
SPACE NEWS INTERNATIONAL
TECHNOLOGY REVIEW
THEORY OF PROBABILITY AND ITS APPLICATIONS
WALL STREET JOURNAL
WELDING IN THE WORLD
WELDING JOURNAL
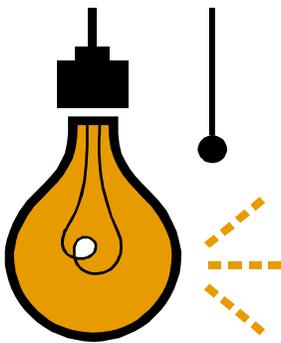ZEITSCHRIFT FUR NATURFORSCHUNG A

eBook News

IEEE-Wiley

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

- Near-Capacity Variable-Length Coding: Regular and EXIT-Chart-Aided Irregular Designs
- Practical Database Programming with Java
- Probabilistic Transmission System Planning

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 Aric Villarreal at aric.villarreal@noaa.gov, x3003