

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 ITS.E 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

- QA280 .S58 2011. **Time series analysis and its applications: with R examples** / Robert H. Shumway, David S. Stoffer. 3rd ed. ([Website](#))
- TA355 .B67 2011. **Noise and vibration analysis : signal analysis and experimental procedures** / Anders Brandt ([Website](#))
- TA365 .H26 2008. **Handbook of signal processing in acoustics** / edited by David Havelock, Sonoko Kuwano, Michael Vorländer. ([Website](#))
- TK454.4.E5 D38 2011. **Computational electromagnetics for RF and microwave engineering** / David B. Davidson. ([Website](#))
- TK5102.9 .G69 2011. **Fundamentals of wavelets: theory, algorithms, and applications** / Jaideva C. Goswami, Andrew K. Chan. 2nd ed. ([Website](#))
- TK5102.9 .S71 2011. **Digital signal processing with examples in MATLAB** / Samuel D. Stearns and Don R. Hush. 2nd ed. ([Website](#))
- TK5103.2 .D87 2003. **Space-time wireless channels** / Gregory D. Durgin. ([Website](#))
- TK5103.4835 .H83 2011. **Millimeter wave communication systems** / Kao-Cheng Huang, Zhaocheng Wang. ([Website](#))
- TK5103.484 .O33 2011. **OFDM: concepts for future communication systems** / Hermann Rohling, editor. ([Website](#))
- TK6561 .G74 2011. **RF and microwave transmitter design** / Andrei Grebennikov. ([Website](#))
- TK6564.3 .M85 2011. **Multi-mode/multi-band RF transceivers for wireless communications: advanced techniques, architectures, and trends** / edited by Gernot Hueber, Robert Bogdan Staszewski. ([Website](#))
- TK 7871.6 .F88 2011. **Frontiers in antennas : next generation design & engineering** / Frank B. Gross ([Website](#))
- TK7871.67 .H54 .G73 2011. **Broadband communications via high altitude platforms** / David Grace, Mihael Mohorcic. ([Website](#))
- TK7876 .H66 2011. **Microstrip filters for RF/microwave applications** / Jia-Sheng Hong. 2nd ed. ([Website](#))
- TK7876 .S66 2010. **Microwave and RF engineering** / Roberto Sorrentino, Giovanni Bianchi. ([Website](#))

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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	KIPLINGER LETTER
ADVANCES IN PHYSICS	LASER FOCUS WORLD & WORLD BUYERS' GUIDE
AIR AND SPACE SMITHSONIAN	LEADING EDGE
ANNALS OF APPLIED STATISTICS	LINUX JOURNAL
ANNALS OF STATISTICS	MACHINE DESIGN
APPLIED PHYSICS EXPRESS ASTRONOMY	MACWORLD
ASTROPHYSICS AND SPACE SCIENCE	MATERIALS EVALUATION
BROADCAST ENGINEERING	MATHEMATICAL INTELLIGENCER
BUSINESSWEEK	MATHEMATICS OF COMPUTATION
CANADIAN JOURNAL OF CHEMICAL ENGINEERING	MICROWAVE JOURNAL
CHEMICAL ENGINEERING	MICROWAVES AND RF
CHEMICAL ENGINEERING PROGRESS	MRS BULLETIN
CHEMISTRY: A EUROPEAN JOURNAL	MSDN MAGAZINE
COMMUNICATIONS IN STATS - SIM AND COMP	NASA TECH BRIEFS
COMMUNICATIONS OF THE ACM	NATURWISSENSCHAFTEN
COMMUNICATIONS ON PURE AND APPLIED MATH	NEW SCIENTIST (Branch copy)
COMPLEXITY	NIR NEWS
COMPUTER MODELING IN ENGINEERING AND SCI	PC WORLD
CONSUMER REPORTS	PHILOSOPHICAL MAGAZINE
CONTEMPORARY PHYSICS	PHYSICS WORLD
CYBERSKEPTIC'S GUIDE TO INTERNET RESEARCH	POPULAR COMMUNICATIONS
ELECTROMAGNETICS	PUBS OF THE ASTRONOMICAL SOCIETY OF JAPAN
EM (ENVIRONMENTAL MONITOR)	PURE AND APPLIED GEOPHYSICS
ENVIRONMENT	QEX
ENVIRONMENTAL CONSERVATION	QST
ENVIRONMENTAL MONITORING AND ASSESS.	QUARTERLY OF APPLIED MATHEMATICS
FEDERAL EMPLOYEES NEWS DIGEST	RADIOPHYSICS AND QUANTUM ELECTRONICS
FEDERAL TIMES (Branch copy)	REMOTE SENSING LETTERS
GEOLOGICAL SOCIETY OF AMERICA BULLETIN	SCANNING
GEOPHYSICS	SEPARATION SCIENCE AND TECHNOLOGY
GEOSPHERE	SIAM JOURNAL ON MATHEMATICAL ANALYSIS
GPS WORLD	SIAM JOURNAL ON OPTIMIZATION
GREEN CHEMISTRY	SKY AND TELESCOPE
INTERFACE	SPACE NEWS INTERNATIONAL
INTL JOURNAL OF MATERIALS RESEARCH	TECHNOLOGY REVIEW
INTERNATIONAL JOURNAL OF METEOROLOGY	THEORY OF PROBABILITY AND ITS APPLICATIONS
INTERNATIONAL JOURNAL OF REMOTE SENSING	WALL STREET JOURNAL
JAPANESE JOURNAL OF APPLIED PHYSICS	WELDING IN THE WORLD
JETP	WELDING JOURNAL
JETP LETTERS	ZEITSCHRIFT FUR NATURFORSCHUNG A
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	

eBook News

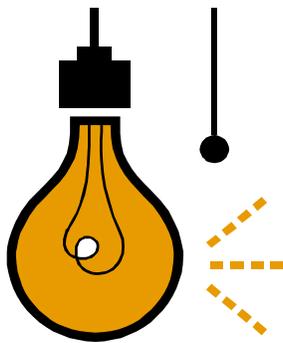
IEEE-Wiley

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

- Antenna Design for Mobile Devices:
- Channel Equalization for Wireless Communications: From Concepts to Detailed Mathematics
- Image and Video Compression

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