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<http://library.blrdoc.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.M 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](mailto:mike.robinson@noaa.gov), X5569

## Selected Books Added in 2011

- QC676.7 .T7 .S49 2005. **Introduction to RF propagation** / John S. Seybold. ([Website](#))
- TA365 .H26 2008. **Handbook of signal processing in acoustics** / edited by David Havelock, Sonoko Kuwano, Michael Vorländer. ([Website](#))
- TK5101 .I37 2009. **GLOBECOM 2009: 2009 IEEE Global Telecommunications Conference, Honolulu, Hawaii USA, 30 November-4 December 2009** / editors: Mehmet Ulema. ([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](#))
- TK5103.484 .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](#))
- TK7871.6 .I5 2008. **2008 IEEE Antennas and Propagation Society International Symposium: San Diego, CA, 5-11 July 2008** / IEEE. ([Website](#))
- TK7871.67 .H54 .G73 2011. **Broadband communications via high altitude platforms** / David Grace, Mihael Mohorcic. ([Website](#))
- TK7872 .D48 .N49 2011. **New developments and applications in sensing technology** / Subhas Chandra Mukhopadhyay, Aime Lay-Ekuakille and Anton Fuchs (eds.). ([Website](#))
- TK7874 .R4 2010. **RF and microwave microelectronics packaging** / Ken Kuang, Franklin Kim, Sean S. Cahill, editors. ([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](#))

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

## eBook News

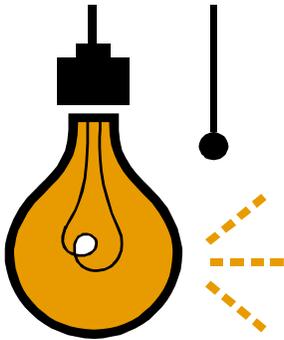
### IEEE-Wiley

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

- Antenna Arrays: A Computational Approach
- Antenna Design for Mobile Devices
- Channel Equalization for Wireless Communications: From Concepts to Detailed Mathematics

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 31<sup>st</sup>. 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: 10<sup>th</sup> 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](mailto:mike.robinson@noaa.gov), x5569.