

**Proceedings of the
2003 IEEE Int'l
Frequency Control
Symposium and PDA
Exhibition Jointly
with the 17th
European Frequency
and Time Forum**

- **Getting Started**
This CD-ROM
Acrobat Reader
Navigation
Searching
- **Copyright Information**
- **Symposium Chairmen
and Vice Chairmen**
- **IEEE Frequency Control
Symposium Technical
Program Committee**
- **European Frequency And
Time Forum Scientific
Committee**
- **Technical Session
Chairmen**
- **Tutorial Topics and
Presenters**
- **Table of Contents**
- **Author Index**
- **Search CD**
- **ieee-uffc.org**

**Proceedings of the
2003 IEEE International Frequency Control Symposium
& PDA Exhibition
Jointly with
the 17th European Frequency and Time Forum**

**Symposium Sponsored by:
IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society**

**Exhibition Sponsored by:
Piezoelectric Devices Association**

**4-8 May 2003
Tampa, Florida U.S.A.**

© 2003 IEEE. Personal use of this material is permitted. However, permission to reprint/republish this material for advertising or promotional purposes or for creating new collective works for resale or redistribution to servers or lists, or to reuse any copyrighted component of this work in other works must be obtained from the IEEE.

Copyright and Reprint Permission: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923. For other copying, reprint, or republication permission, write to IEEE Copyrights Manager, IEEE Operations Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331. All rights reserved. Copyright © 2002 by The Institute of Electrical and Electronics Engineers, Inc.

IEEE Catalog No. 03CH37409C
ISBN 0-7803-7689-7

Technical inquiries regarding this CD should be addressed to:
John R. Vig, Editorial Chair
1.732.427.4275 (voice)
1.732.427.4805 (fax)
J.Vig@ieee.org



**Proceedings of the
2003 IEEE Int'l
Frequency Control
Symposium and PDA
Exhibition Jointly
with the 17th
European Frequency
and Time Forum**

- **Getting Started**
This CD-ROM
Acrobat Reader
Navigation
Searching
- **Copyright Information**
- **Symposium Chairmen
and Vice Chairmen**
- **IEEE Frequency Control
Symposium Technical
Program Committee**
- **European Frequency And
Time Forum Scientific
Committee**
- **Technical Session
Chairmen**
- **Tutorial Topics and
Presenters**
- **Table of Contents**
- **Author Index**
- **Search CD**
- **ieee-uffc.org**

Getting Started

With this CD-ROM

To search the articles, you will need the Adobe Acrobat® Reader™ with Search software. Please note, the standard version of the Acrobat Reader software does not include the search function you will need to make full use of this CD.

The Acrobat Reader with Search software can be downloaded at no charge. You may want to visit the Adobe web site to download the most up-to-date version of the Acrobat Reader with Search software for your operating system.

Please follow these steps to download and install the Acrobat Reader with Search software:

1. Visit the download site on the web.
2. On the download page, be sure to check the box to "Include option for searching PDF files (longer download)" under "Step One."
3. Save the download to the desktop.
4. Once the download is complete, double-click on the icon for the downloaded file.
5. Follow the instructions given by the installer.
6. Once the installation is finished, you may delete the icon on the desktop.

The Acrobat Reader with Search software is now installed on your computer. You will now be able to search the articles for any word or phrase.

These instructions refer to version 5.0 of the Adobe Acrobat Reader with Search software.

Adobe, Acrobat, Acrobat Reader, and Acrobat Search are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Proceedings of the 2003 IEEE Int'l Frequency Control Symposium and PDA Exhibition Jointly with the 17th European Frequency and Time Forum

- **Getting Started**
This CD-ROM
Acrobat Reader
Navigation
Searching
- **Copyright Information**
- **Symposium Chairmen
and Vice Chairmen**
- **IEEE Frequency Control
Symposium Technical
Program Committee**
- **European Frequency And
Time Forum Scientific
Committee**
- **Technical Session
Chairmen**
- **Tutorial Topics and
Presenters**
- **Table of Contents**
- **Author Index**
- **Search CD**
- **ieee-uffc.org**

Getting Started

With Acrobat Reader

The Toolbar

In these instructions, we will often refer to icons in the Acrobat Reader toolbar. This is the toolbar.

The icons you will use most often are, from left to right on the toolbar:



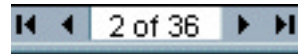
The Find and Search icons: Find will look for a word or phrase within the current document, while Search will look across all the documents available. The small triangle next to the Search icon allows access to the other Search commands: Search Results, Next Highlight, and Previous Highlight.



The Show/Hide Navigation Pane icon: this icon will open or close the the Navigation Pane to show the bookmarks. The bookmarks allow you to go directly to any given page in the document.



The Page icons: from left to right, these are the First Page, Previous Page, Next Page, and Last Page icons. These icons let you browse the current document.



The Page icons are repeated in the bottom left corner of the Acrobat Reader Window. The window between the Previous Page and Next Page icons shows the current page number. You may type a page number in this window, and you will be taken directly to that page in the current document.



The View icons: the Previous View and Next View icons will step through changes you have made to your view within Acrobat Reader, including magnification changes, page changes, and document changes.

Proceedings of the 2003 IEEE Int'l Frequency Control Symposium and PDA Exhibition Jointly with the 17th European Frequency and Time Forum

- **Getting Started**
This CD-ROM
Acrobat Reader
Navigation
Searching
- **Copyright Information**
- **Symposium Chairmen
and Vice Chairmen**
- **IEEE Frequency Control
Symposium Technical
Program Committee**
- **European Frequency And
Time Forum Scientific
Committee**
- **Technical Session
Chairmen**
- **Tutorial Topics and
Presenters**
- **Table of Contents**
- **Author Index**
- **Search CD**
- **ieee-uffc.org**

Getting Started

With Navigation

Moving about the CD-ROM

The Navigation Menu at the left will move you between sections of the CD-ROM. The major subsections of the current section of the CD-ROM will also be available from the Navigation Menu. You may use the Bookmarks to quickly find a specific page within the current section or to change sections. Open the Bookmarks window by choosing Windows > Bookmarks from the menu bar. Bookmarks marked with a + have lower level bookmarks that may be opened at this time by clicking on the +. The + will change to a - when the lower level bookmarks are displayed. Bookmarks displaying their lower level bookmarks may be collapsed, hiding the lower level bookmarks, by clicking on the -. Choosing Windows > Bookmarks from the menu bar a second time will close the Bookmarks window.

Changing Sections

Once you have changed sections, you may change back by using the Navigation Menu, by using the Go To Previous View icon, or by choosing Document > Go To Previous Document from the menu bar. Using the Navigation Menu will take you to the first page of the section. Using the Go To Previous View icon will step back through changes in view you have made, including scrolling through a document. Choosing Document > Go To Previous Document from the menu bar will take you immediately back to where you were in the Guide before leaving to view the article.

You may want to change your preferences to force articles to open in a separate window. To change your preference, choose Edit > Preferences from the menu bar. In the pop-up window that appears, choose Options from the list on the left. In the Miscellaneous section, uncheck the box labeled "Open Cross Document Links In Same Window." Clicking OK will update your preferences. This changes the behavior for all documents.

After Reading an Article

After reading an article, you will need to choose Document > Go To Previous Document, as the Bookmarks and the Navigation Menu will not be available. Alternatively, you may use the Go To Previous View icon as described previously. If you have changed your preferences as outlined above, you may simply close the article window to return to the Guide.

Proceedings of the 2003 IEEE Int'l Frequency Control Symposium and PDA Exhibition Jointly with the 17th European Frequency and Time Forum

- **Getting Started**
This CD-ROM
Acrobat Reader
Navigation
Searching
- **Copyright Information**
- **Symposium Chairmen
and Vice Chairmen**
- **IEEE Frequency Control
Symposium Technical
Program Committee**
- **European Frequency And
Time Forum Scientific
Committee**
- **Technical Session
Chairmen**
- **Tutorial Topics and
Presenters**
- **Table of Contents**
- **Author Index**
- **Search CD**
- **ieee-uffc.org**

Getting Started

With Searching

The Search Query Window

Clicking on the Search icon, or choosing Edit > Search > Query from the menu bar will bring up a Search Query Window. The Search Query Window has a large window into which you will enter your search terms. After entering your terms, execute your search by clicking the Search button, or by using the Enter key.

The Search Query Window will be replaced by a Search Results Window.

The Search Results Window

The Search Results Window gives a list of results in order of relevance, indicated by a small pie chart to the left of the title. More black in the chart indicates a better match. Highlight an article by clicking once on the title. Double clicking will open the article.

Two buttons are available. View will open the article you have highlighted. Info will show you more information about the article you have highlighted.

Advanced Search Techniques

By changing your preferences, you may take advantages of some additional features. To edit your preferences, choose Edit > Preferences > General. Choose Search from the list on the left. Checking the box "Document Information" in the Include in Query section will allow you to search only in a specific field of information, for example, to search within a Title, or to search for a particular Author.

In the Results section you may change the maximum number of hits displayed, and the order in which your results are displayed in the Search Results Window. The View Dialog Options section controls the behavior of the Search windows.

After changing your preferences, click OK to save the changes.

Boolean Searches

The search engine will interpret multiple words as a single phrase. Entering submarine sonar into the search engine will return only those documents containing the phrase "submarine sonar". To find documents containing both "submarine" and "sonar", but not necessarily "submarine sonar", you would enter submarine AND sonar. You may find documents containing either word by entering submarine OR sonar.

More information on Boolean searching is available in the Acrobat Guide by selecting Help > Reader Help from the menu bar. To find the section using the provided bookmarks, open Contents, then Searching Indexes or Advanced Search Techniques.