IEEE Xplore: Creating effective searches and new features & content

Ruth Wolfish
IEEE Client Services Manager
r.wolfish@ieee.org
IEEE quality makes an impact
Thomson Reuters Journal Citation Reports® by Impact Factor

IEEE publishes:

17 of the top 20 journals in Electrical and Electronic Engineering
14 of the top 15 journals in Telecommunications
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3 of the top 5 journals in Computer Science, Cybernetics
3 of the top 5 journals in Automation & Control Systems
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- Additional journal content from MIT, ALU-BL, IBM,
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Orange = abstract level access only
New titles for 2016

- **IEEE Transactions on Intelligent Vehicles**
  Publishes peer-reviewed articles that provide innovative research concepts and application results, report significant theoretical findings and application case studies in areas of intelligent vehicles

- **IEEE Robotics and Automation Letters**
  Publishes peer-reviewed articles that provide innovative research ideas and application results in areas of robotics and automation

- **IEEE Journal on Multiscale and Multiphysics Computational Techniques**
  Publishes papers related to a broad range of electromagnetic engineering problems that rely on theoretical developments and computational techniques to solve problems spanning different physical properties or scale

- **IEEE Transactions on Sustainable Computing (coming soon)**
  Publishes high-quality papers that explore the different facets of sustainable computing
New IEEE Journals Planned for 2017

- IEEE Communications Standards Magazine
- IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology
- IEEE Transactions on Emerging Topics in Computational Intelligence
- IEEE Transactions on Green Communications and Networking
- IEEE Transactions on Radiation and Plasma Medical Sciences
- IEEE Journal of Radio Frequency Identification

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3 methods to keyword or journal search

- **Search bar on the home page** – searches metadata only (Citation, abstract, index terms). Automatic AND unless you use “”.
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Use quotes (""") for an exact phrase
Searching **metadata** only (citation, abstract, index terms)
Automatic stemming
Case insensitive
Type-ahead (aka auto suggest) functionality
ADVANCED search
SECTION I
INTRODUCTION

Although a piece of music reaches a listener's ear as a continuous, uninterrupted audio signal, it is perceived as a set of discrete events. Moreover, these events are grouped, and these groups are themselves grouped recursively. Locating the boundaries between groups is essential to the task of music structure analysis, a task that has gained increased attention from the music information retrieval (MIR) community in recent years. Information about the structure of a piece of music has numerous applications: for instance, it can be used to generate summaries of songs [1], or to identify recordings of the same pieces in a corpus [2].

Many algorithms have been proposed for estimating musical structure directly from audio recordings (for a review, see [3]). These algorithms are mostly based on a few simple principles: that boundaries in a piece of music correspond to great changes in musical features (a premise introduced by [4]); that sections tend to be homogeneous with respect to features; and that sections often consist of...
Command Search from home page or ADVANCED search page
Command Search

**Metadata only**
- “industrial power” AND application: 18,323
- “industrial power” NEAR/7 application: 53

**Full text and metadata**
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- “industrial power” NEAR/7 application: 2,140

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# Preferences

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**Search History Recording:**
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- VDE Content
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- BIAI Content
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## Display Options for Search Results

**Results Layout:**
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- Title, Citation & Abstract

**Results per Page:**
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**Sort By:**
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IEEE Student membership
Scholarships, grants, and fellowships

IEEE Charles LeGeyt Fortescue Fellowship: This scholarship carries a stipend of approximately US$24,000 and is awarded to a first-year graduate student obtaining his or her master's degree in Electrical Engineering at an engineering school of recognized standing located in the United States.

IEEE Computational Intelligence Society Conference Travel Grants: This program offers a number of travel grants to assist IEEE Student members presenting papers at IEEE NNS (Neural Networks Society) sponsored conferences.

IEEE Computational Intelligence Society Summer Research Grant: The program offers scholarships of US$1,000 to US$4,000 for deserving graduate students who need financial support for their research during a summer period.

IEEE Computer Society Merwin Scholarship: This scholarship recognizes and rewards active leaders in the IEEE Computer Society Student Branch Chapters. Up to 20 US$2,000 scholarships are available and awarded on an annual basis.

IEEE Dielectrics and Electrical Insulation Society Graduate Student Fellowship: This fellowship was designed to support graduate research in the area of insulation or dielectrics. Two US$7,500 or three US$5,000 scholarships are awarded annually.

IEEE Electron Devices Society Graduate Student Fellowship: This program promotes, recognizes, and supports graduate-level study and research within EDS, with at least one fellowship awarded to students in each of the main geographic regions: Americas, Europe/Middle East/Africa, Asia/Pacific.

IEEE James C. Klauda Memorial Scholarship Award: The IEEE James C. Klauda Memorial Scholarship awards a scholarship to a qualified undergraduate student who seeks an electrical engineering degree with emphasis in the field of electromagnetic compatibility or a related discipline, from an accredited US university or college.

IEEE Life Members' Fellowship in Electrical History: This fellowship in Electrical History supports either one year of full-time graduate work in the history of electrical science and technology at a college or university of recognized standing, or up to one year of post-doctoral research for a scholar in this field who has received his or her Ph.D. within the past three years. The stipend is US$17,000, and a research budget of US$3,000 is available.

IEEE Life Member Graduate Study Fellowship in Electrical Engineering: This renewable US$10,000 fellowship is awarded annually to a first-year, full-time graduate student obtaining his or her master's degree for work in the area of electrical engineering, at an engineering school/program of recognized standing worldwide.
## IEEE Conferences

Your search returned 6 Conferences from 2016-09-19 to 2016-11-23 in Region03-Southeastern USA

<table>
<thead>
<tr>
<th>Conference Name</th>
<th>Conference Date</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016 IEEE Conference on Electromagnetic Field Computation (CEFC)</td>
<td>13 Nov - 16 Nov 2016</td>
<td>Hilton Miami Downtown Miami, FL, USA</td>
</tr>
<tr>
<td>2016 International Conference on Collaboration Technologies and Systems (CTS)</td>
<td>31 Oct - 04 Nov 2016</td>
<td>The Rosen Plaza Hotel 9700 International Dr Orlando, FL, USA</td>
</tr>
<tr>
<td>2016 IEEE SENSORS</td>
<td>30 Oct - 03 Nov 2016</td>
<td>Caribe Royale 8101 World Center Drive Orlando, FL, USA</td>
</tr>
<tr>
<td>2016 International Carnahan Conference on Security Technology (IC CST)</td>
<td>24 Oct - 27 Oct 2016</td>
<td>Rosen Plaza Hotel 9700 International Drive Orlando, FL, USA</td>
</tr>
<tr>
<td>2016 IEEE 62nd IEEE Holm Conference on Electrical Contacts (Holm)</td>
<td>09 Oct - 12 Oct 2016</td>
<td>Hilton Clearwater Beach, Tampa, FL 400 Mandalay Avenue Clearwater Beach Tampa, FL, USA</td>
</tr>
<tr>
<td>2016 IEEE Accelerated Stress Testing &amp; Reliability Conference (ASTR)</td>
<td>28 Sep - 30 Sep 2016</td>
<td>Hilton Pensacola Beach 12 Via de Luna Drive Pensacola Beach, FL, USA</td>
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Thank you!

Ruth Wolfish
IEEE Client Services Manager
r.wolfish@ieee.org OR
training@ieee.org
www.ieee.org/go/clientservices
+1 908 781 7725