

# Strategies for Searching *IEEE Xplore*

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October 2019

# IEEE: Who, What, Why?

## Who is IEEE?

World's leading professional association dedicated to the practicing engineer. Over 417,000 members in 160 countries. **Mission: advancing technology for humanity.**

## What we do?

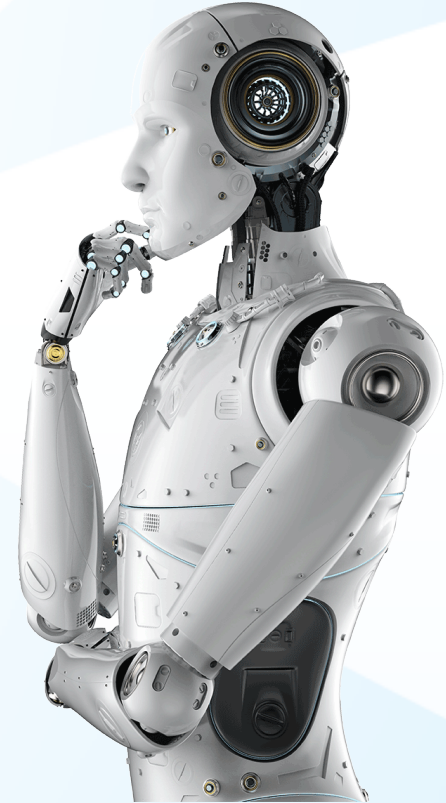
We publish the top-cited science and technology research in the field, most notably our journals, conferences, and standards.

## Who do we serve?

Our publications are made available to academic, corporate, and government organizations worldwide via the IEEE *Xplore* Digital Library

## Why you need IEEE *Xplore*?

IEEE *Xplore* helps end users save time and money by accelerating their R&D efforts and getting research and products to market faster.



# IEEE members are the technology leaders of today and tomorrow

## IEEE Medal of Honor Recipients



**2016**

**G. David Forney, Jr.**

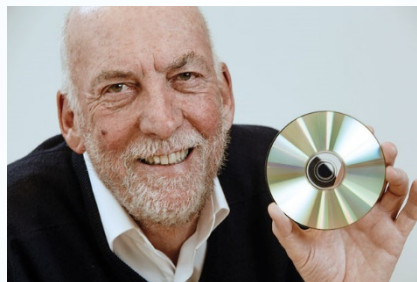
Influenced virtually every major advance in the field of coding theory



**2017**

**Kees Schouhamer Immink**

Provided the foundation for all generations of optical storage media from CDs to Blu Ray discs



**2018**

**Bradford W. Parkinson**

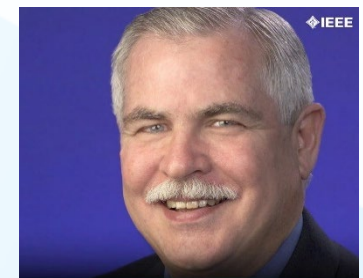
Played a pivotal role in developing GPS



**2019**

**Kurt E. Petersen**

Contributions to and leadership in the development and commercialization of innovative technologies in the field of MEMS.



# About IEEE *Xplore*

The IEEE *Xplore* Digital Library is your gateway to a third of the world's technical literature, covering a wide variety of disciplines.

- Over 5 million full-text documents
- Approximately 20,000 new documents added to IEEE *Xplore* each month
- More than 25 full years of IEEE journals, conference proceedings, and standards (back to 1988), plus select content dating to 1872
- 192 IEEE journals, magazines, and transactions
- Proceedings from over 1,700 IEEE and IET conference titles
- 30+ IET journals and magazines
- Access to the archive of Nokia Bell Labs Technical Journal
- More than 11 million downloads per month
- Over 4 million unique users

<https://ieeexplore.ieee.org>



# IEEE Covers All Areas of Technology

More than just electrical engineering & computer science

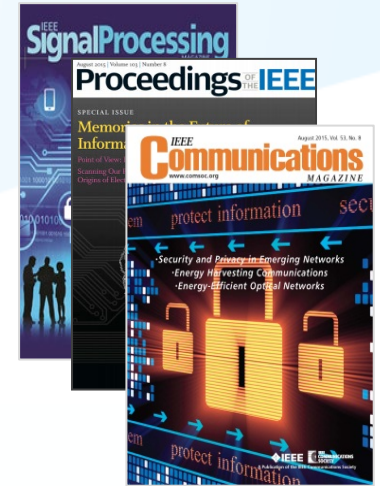
- Aerospace & Defense
- Automotive Engineering
- Biomedical Engineering
- Biometrics
- Circuits & Systems
- Cloud Computing
- Communications
- Computer Software
- Electronics
- Energy
- Engineering
- Imaging
- Information Technology
- Medical Devices
- Nanotechnology
- Optics
- Petroleum & Gas
- Power Electronics
- Power Systems
- Robotics & Automation
- Semiconductors
- Smart Grid
- Wireless Broadband
- ...and many more



# IEEE Quality Makes an Impact

Latest studies reinforce that the top cited publications in the world are from IEEE

- The top 20 journals in EE\*
- 18 of the top 20 journals in Telecommunications
- IEEE has the #1 cited journals in Computer Hardware, Artificial Intelligence, Automation & Control, Information Systems, and Remote Sensing
- IEEE Access has an impact factor of 4.098 (up from 3.55)
- Cited in patents 3x more than any other publisher\*\*



\* Based on the Clarivate Analytics Journal Citation Report study released June 2019

\*\* Source: 1790 Analytics

More info: [www.ieee.org/citations](http://www.ieee.org/citations) and [www.ieee.org/patentcitations](http://www.ieee.org/patentcitations)



# New IEEE Journals Coming in 2020

These new journal titles\* will soon be available and accessible via subscription:

- IEEE Journal of Emerging and Selected Topics in Industrial Electronics
- IEEE Journal on Selected Areas in Information Theory
- IEEE Transactions on Technology and Society

*\*Please note this is a tentative list and is subject to change.*

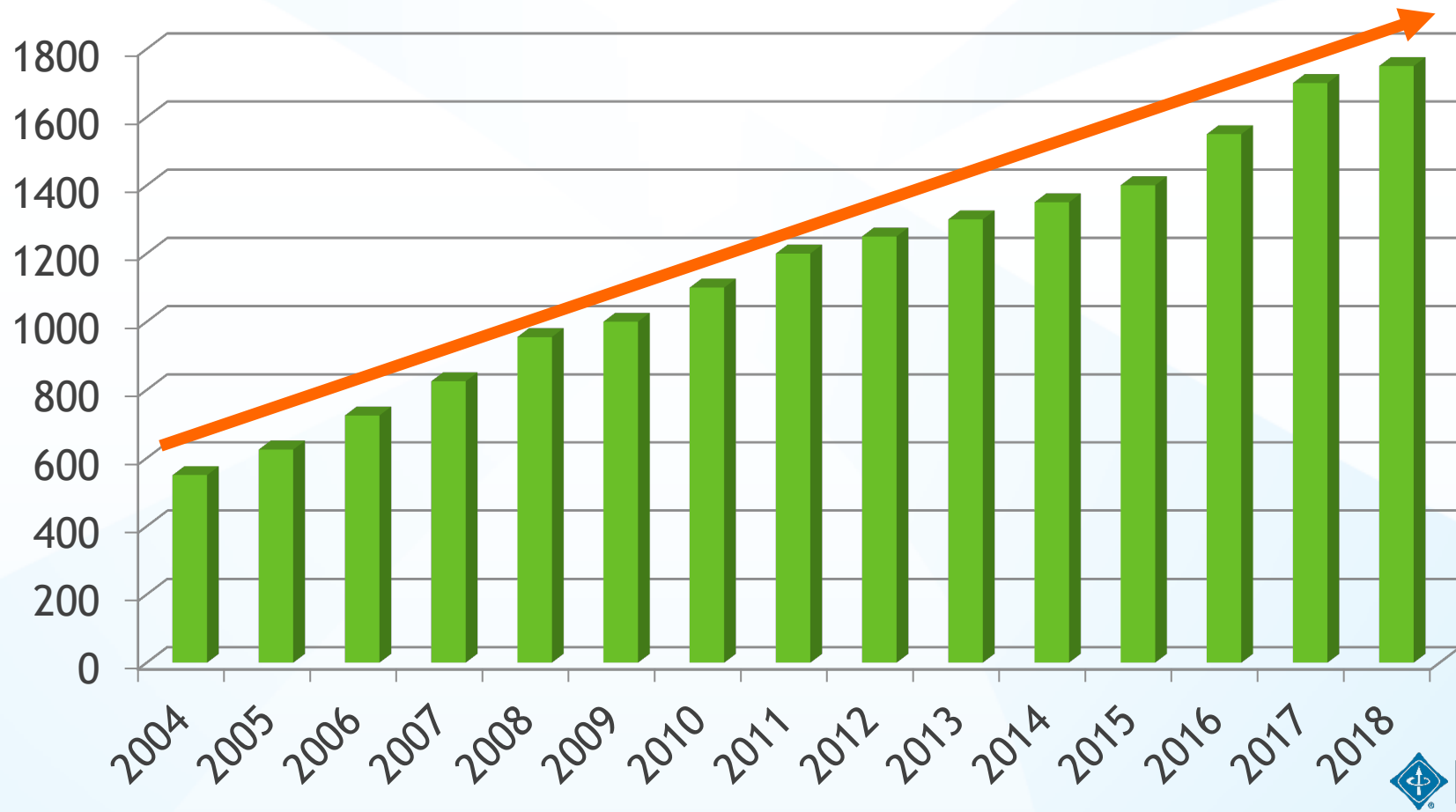


All included in an IEL subscription

For a complete title listing, go to: <http://ieeexplore.ieee.org/xpl/opacjrn.jsp>

# The IEEE conference collection continues to grow

Over 3 million total papers in all in IEEE *Xplore*



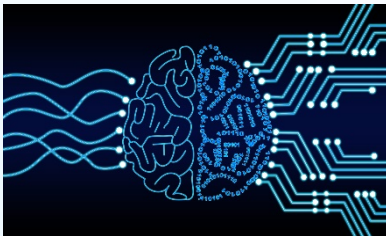


# IEEE eLearning Library

*The premier online collection of online continuing professional education courses for technical professionals*

## On-Demand Professional Development

- Online, self-paced courses designed to keep engineers and technical professionals up-to-date on core and emerging technologies and trends, leadership skills, and more.
- Courses on latest technologies, taught by the world's leading experts
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## Cost Effective and Convenient

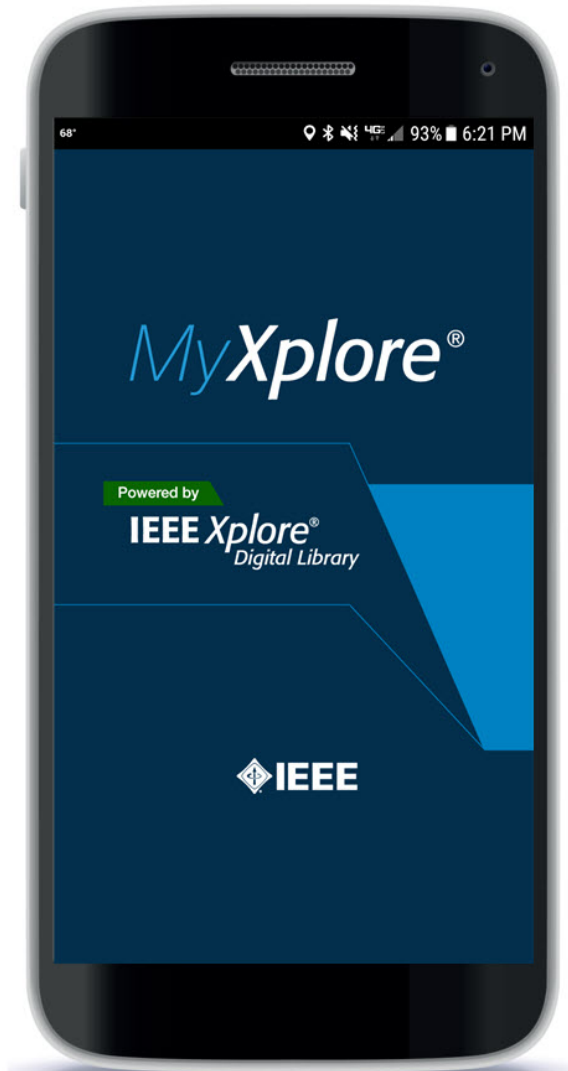
- IEEE eLearning Library makes it possible to train your entire technical staff conveniently, wherever they are, for one low price
- Learners earn CEUs/PDHs upon successful completion of courses to maintain professional licenses



# The *MyXplore* Smartphone App

## IEEE research anytime anywhere!

- Added convenience for current and new IEEE *Xplore* users
- IEEE *Xplore* search capability
- Mobile-friendly search results and full-text articles
- Daily notifications of new IEEE *Xplore* content that matches user's expressed areas of interest
- Works with login for FREE IEEE *Xplore* Personal Account
- Now available at:



# New Search Technology

- Better suited for variety of digital content types
- Ability to perform advanced searches via global search box
- Stemming within proximity searches
- Wildcards within phrased searches
- Proximity searches (A OR B) NEAR/3 (C OR D)
- Term highlighting
- Foundation for future IEEE *Xplore* platform capabilities

The screenshot displays the IEEE Xplore Digital Library search interface. At the top, the IEEE Xplore logo and the IEEE logo are visible. The search bar contains the query "Java OR XML NEAR/3 Scada OR Systems". Below the search bar, the results are displayed as "Displaying results 1-25 of 2,341,488 for Java OR XML NEAR/3 Scada OR Systems". The interface includes filters for "Year" (1873 to 2019), "Author", "Affiliation", "Publication Title", "Publisher", "Supplemental Items", "Conference Location", "Standard Status", "Standard Type", and "Index Terms". The results list includes two entries: "Designing a SCADA system powered by Java and XML" and "Java plus XML: a powerful new combination for SCADA systems". The first entry is selected, and its abstract is visible, discussing the use of Java and XML for SCADA systems. The interface also shows options for "Show: All Results", "Download PDFs", "Per Page: 25", "Export", "Set Search Alerts", and "Search History".

# Index Terms Facet

Narrow search results  
by Inspec Index Terms



Search within results

Per Page: 25 | Export | Set Search Alerts | Search History

Displaying results 1-25 of 3,007 for **cybersecurity** x

- Conferences (1,867)
- Early Access Articles (50)
- Journals & Magazines (973)
- Courses (22)
- Books (86)
- Standards (9)

**Index Terms**  Select All on Page Sort By: Relevance ▾

Enter Terms

- security of data (1,190)
- Internet (259)
- computer network security (239)
- Internet of Things (207)
- invasive software (177)
- computer crime (168)
- learning (artificial intelligence) (159)
- data privacy (158)
- cloud computing (137)
- power system security (130)
- cryptography (123)
- power engineering computing (112)
- risk management (105)
- smart power grids (102)
- telecommunication security (91)
- computer science education (87)
- pattern classification (80)
- authorisation (78)
- data mining (73)
- mobile computing (72)
- cyber-physical systems (64)
- computer aided instruction (63)
- social networking (online) (60)
- educational courses (59)
- Big Data (58)


**A Comprehensive Cybersecurity Audit Model to Improve Cybersecurity Assurance: The CyberSecurity Audit Model (CSAM)** 🔒  
Regner Sabillon ; Jordi Serra-Ruiz ; Victor Cavaller ; Jemy Cano  
2017 International Conference on Information Systems and Computer Science (INCISCOS)  
Year: 2017  
Pages: 253 - 259  
Cited by: Papers (1)  
IEEE Conferences  
▶ Abstract [\(html\)](#) (220 Kb)

**Cybersecurity principles for industry and government: A useful framework for efforts globally to improve cybersecurity** 🔒  
Danielle Kirz  
2011 Second Worldwide Cybersecurity Summit (WCS)  
Year: 2011  
Pages: 1 - 3  
Cited by: Papers (2)  
IEEE Conferences  
▶ Abstract [\(html\)](#) (281 Kb)

**A Novel Model for Cybersecurity Economics and Analysis** 🔒  
Pareeh Rathod ; Timo Hämäläinen  
2017 IEEE International Conference on Computer and Information Technology (CIT)  
Year: 2017  
Pages: 274 - 279  
IEEE Conferences  
▶ Abstract [\(html\)](#) (187 Kb)

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**API**



# Author Detail Pages

- Helps authors promote their published works in IEEE *Xplore*
- Publically available summary of research activities
- Metrics on author's total publications & history
- Links to co-authors info pages
- Consolidated list of author's publications in IEEE *Xplore*

The screenshot displays the IEEE Xplore Digital Library interface for an author's detail page. At the top, the IEEE Xplore logo and navigation menu (Browse, My Settings, Get Help, Subscribe) are visible. A search bar is present with a dropdown menu set to 'All'. A notification banner states: "Author details (Beta) are based on existing information in the author's collective works published in IEEE Xplore." with a "Learn More" button.

The author's profile for **W. Clem Karl** includes a portrait photo, a bio stating he is published under "W. C. Karl, W. Karl, William C. Karl, William Clem Karl", and his affiliation: "Department of Electrical and Computer Engineering, Boston University, Boston, MA, USA". A "Publication Topics" section lists: "image reconstruction, computerised tomography, graph theory, learning (artificial intelligence), atmospheric techniques, circuit layout CAD, compressed sensing, computer vision, image denoising, image". A "Biography" section details his Ph.D. from MIT and his current role as Chair of the Electrical and Computer Engineering Department at Boston University.

On the right side, there are two summary boxes: "Publications" showing a total of 115 and a bar chart for "Publication Years" from 1990 to 2018; and "Co-Authors" listing "N. Aggarwal, Sonal Ambwani, M. Bhatia, M. Bosse, E. Bossy" with a "View All (109)" link.

The main content area is titled "Publications" and features a search bar, "Per Page: 25", "Export", and "Search History" options. It shows "Displaying results 1-25 of 115" with filters for "Conferences (82)" and "Journals & Magazines (33)". A "Show" panel is set to "All Results" with "Open Access" selected. The "Year" filter is set to "Single Year". The first publication listed is "Deep Learning-Based Sinogram Completion for Low-Dose CT" by Muhammad Usman Ghani and W. Clem Karl, published in 2018 at the IEEE 13th Image, Video, and Multidimensional Signal Processing Workshop (IVMSP). It is an IEEE Conference paper with 5 pages and a PDF of 578 kb. A second publication, "Learning-Based Object Identification and Segmentation Using Dual-Energy CT Images for Security", is partially visible below.

# Code Ocean: View & Run Code in IEEE Xplore

Allowing users to leverage the tools of Code Ocean right in IEEE Xplore (without leaving the site). Users can perform key functions within the module such as download files and run algorithms.

**Sensing Matrix Code & Datasets**

3 Author(s) Lihi Zelnik-M...

80 Paper Citations 1 Patent Citation

Abstract

Document Sections

- I. Introduction
- II. Prior Work on Sensing Matrix Design
- III. Sensing Matrix Design for Block-Sparse Decoding
- IV. WCM—Weighted Coherence Minimization
- V. Experiments

Show Full Outline

Authors

Figures

References

Citations

Keywords

Metadata

Code & Datasets

Code: Block Sparse Decoding MATLAB

This article contains code hosted on IEEE's partner, Code Ocean, a cloud-based computational reproducibility platform that enables users to run, modify, and download code from IEEE Xplore articles. A Code Ocean user account is required to run and modify code within the widget below.

```
CODE OCEAN BETA LOGIN SIGN UP Env Run Saved
```

Code test\_superres.m

```
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
```

%% First we need to train a dictionary

%% patch parameters

PATCH\_ROWS = 8; % number of rows in each patch

PATCH\_COLS = 8; % number of columns in each patch

PATCH\_COLORS = 1; % use gray-scale or RGB

PATCH\_SZ = PATCH\_ROWS\*PATCH\_COLS\*PATCH\_COLORS;

N = PATCH\_ROWS\*PATCH\_COLS; % number of pixels in patch

%% load an image for training

ima = imread('..\input/wreck.jpg');

if size(ima,3)>1, ima = rgb2gray(ima); end

%% extract all distinct patches in training image

Y = im2col(double(ima), [PATCH\_ROWS PATCH\_COLS], 'distinct');

%% Create Dictionary with training signals:

N = PATCH\_ROWS\*PATCH\_COLS; % number of pixels in patch

s = 3; %dimension of blocks

k = 2;

K = 96; %Number of columns in dictionary

L = size(Y,2); %Number of training signals. should be

max\_it = 50; %Nr of iterations for the algorithm to

B = K/s; %Number of blocks in D. Should be an ori

||| %Block sparsity k, otherwise the repres

d0 = 1:K; %block structure with K blocks of size

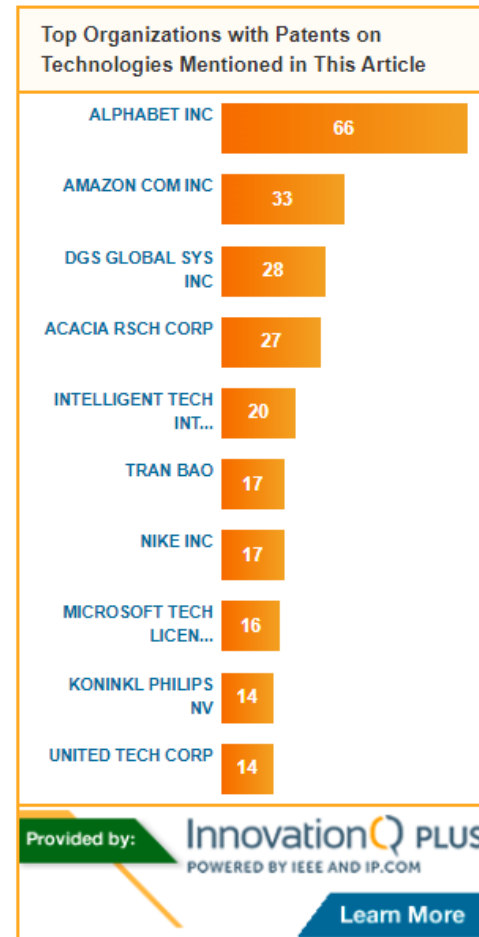
d = repmat(1:B, s,1); d = d(:); %block structure with B

M = 16; %number of samples after compression

%% train dictionaries

# Understanding the Technology Landscape with InnovationQ Plus

Run a semantic search across US patents on the full text of a journal article, conference paper or standard to identify the top organizations patenting in technologies discussed in the document




# IEEE *Xplore*: An Enhanced Search Experience

<https://ieeexplore.ieee.org>



# Browsing the Table of Contents

**Browse** ▾ My Settings ▾ Get Help ▾ **Subscribe**

- Books
- Conferences
- Courses
- Journals & Magazines** 
- Standards

Keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid')

Advanced Search | Other Search Options ▾

## Browse Journals & Magazines

**By Title** | By Topic | Virtual Journals

Search by keywords 

[Sign Up for Alerts](#) | [Title List](#)

### Browse Titles

[A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [I](#) | [J](#) | [K](#) | [L](#) | [M](#) | [N](#) | [O](#) | [P](#) | [Q](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [W](#) | [X](#) | [Y](#) | [Z](#) | [0-9](#) | [All](#)

Displaying Results **1-25** of **354** from entire library

Sort By: **Publication Title A - Z** ▾ | Per Page: **25** ▾

#### Refine results by

Show active titles only

#### Content Type

Journals (513)

#### IEEE Access

Publisher: IEEE Years: 2013 - Present Most Recent Issue

#### IEEE Aerospace and Electronic Systems Magazine

Publisher: IEEE Years: 1986 - Present Most Recent Issue



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**IEEE** Research  
Anytime, anywhere

# Support for Advanced Searchers: Basic Search

Browse ▾

My Settings ▾

Get Help ▾

Subscribe

Search 5,004,260 items

All ▾

Enter keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid')



Advanced Search

| Other Search Options ▾

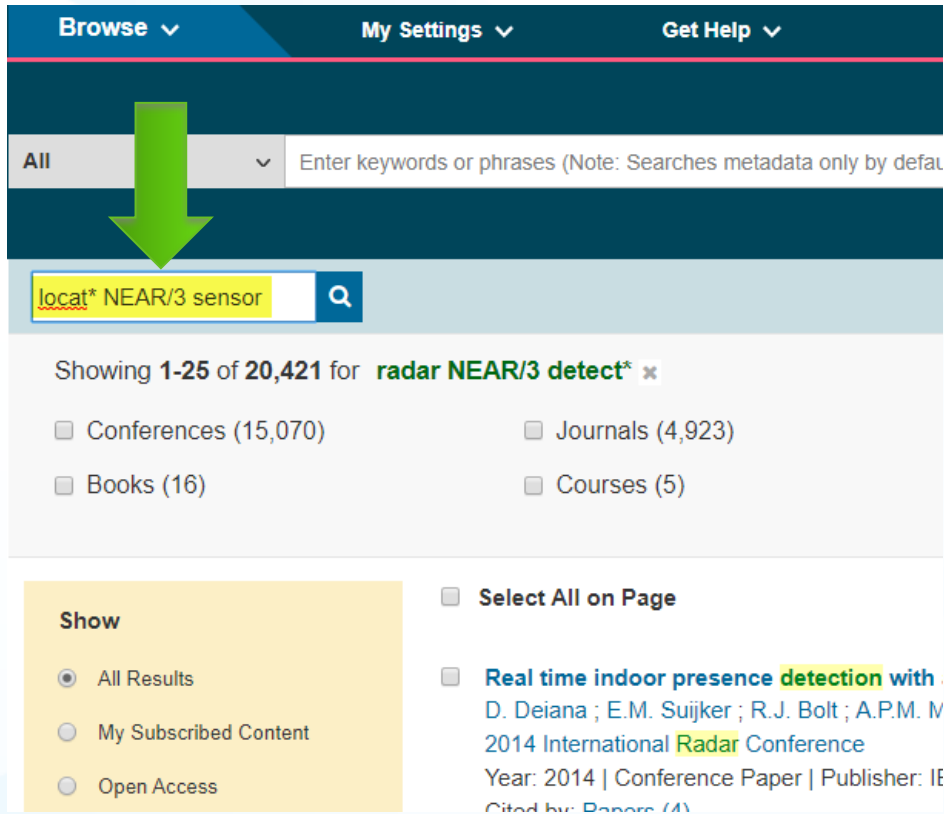
- Basic Search will search **METADATA ONLY**
- Case insensitive and automatic stemming
- Searches for British and US spellings in English. Use wildcards for greater precision.
- Boolean, Proximity, and Field Searching allowed (operators MUST be in all ALL CAPS)
- Wildcards supported: (\* and ?)
- Wildcards supported in phrased searches and with proximity operators
- Complex Boolean queries can be nested in proximity statements.  
**Example:** (A or B) NEAR/5 (C or D).

# Search Results and Refinements

The screenshot shows the IEEE Xplore search results interface. At the top, there is a search bar with the text "Enter keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid')". Below the search bar, there are options for "Advanced Search" and "Other Search Options". The main search results area shows "Showing 1-25 of 20,421 for radar NEAR/3 detect\* x". There are several filters on the left, including "All Results", "My Subscribed Content", and "Open Access". A "Year" filter is also present, with a range from 1945 to 2019. The search results are sorted by "Relevance". A "Standards Dictionary Terms" panel is visible on the right, listing terms like "Johnston factor", "bandwidth", "baseband radar", etc. Green arrows point to the search bar, the search results area, the "Show" filter, the "Sort By" dropdown, and the "Standards Dictionary Terms" panel.

- Boolean and Proximity Operators can now be used in Search Within Results from the search result page.
- Field Commands can now be used in Search Within Results.
- There is a maximum of 5 wildcards per search in IEEE *Xplore*. Search Within Results allows users to add 1 extra wildcard to the search.

# Search Within Results



The screenshot shows the IEEE Xplore search interface. At the top, there are navigation links: "Browse", "My Settings", and "Get Help". Below these is a search bar with a dropdown menu set to "All" and a text input field containing "locat\* NEAR/3 sensor". A green arrow points to the search bar. Below the search bar, the results are displayed as "Showing 1-25 of 20,421 for radar NEAR/3 detect\* x". There are filters for "Conferences (15,070)", "Books (16)", "Journals (4,923)", and "Courses (5)". A "Show" panel is visible on the left with options for "All Results", "My Subscribed Content", and "Open Access". On the right, a result snippet is shown: "Real time indoor presence detection with D. Deiana ; E.M. Suijker ; R.J. Bolt ; A.P.M. M 2014 International Radar Conference Year: 2014 | Conference Paper | Publisher: IE Cited by: Papers (4)".

- Boolean and Proximity Operators can now be used in Search Within Results from the search result page.
- Field Commands can now be used in Search Within Results.
- There is a maximum of 5 wildcards per search in IEEE *Xplore*. Search Within Results allows users to add 1 extra wildcard to the search.

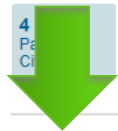
# HTML Article View

## Real time indoor presence detection with a novel radar on a chip

Publisher: IEEE

6 Author(s) D. Deiana ; E.M. Suijker ; R.J. Bolt ; A.P.M. Maas ; W. J. Vlothuizen ; A.S. Kossen [View All Authors](#)

4 Pdf Citations  
532 Full Text Views



- Document Sections
  - I. Introduction
  - II. Radar Description
  - III. PIR Sensors
  - IV. Measurement Setup
  - V. Real Time Signal Processing
- Authors
- Figures
- References
- Citations
- Keywords

### Abstract:

A novel FMCW radar on a chip operating in the 24 GHz band has been used for presence detection in an office environment. Real time detection of small movements (i.e. typing) has been demonstrated. A comparison of the performances of the radar sensor and of the traditional intelligent lighting PIR sensor has been carried out. While the radar is able to detect a movement of 1 cm along the radial direction, the PIR sensor can detect mainly larger movements along the tangential direction, showing the complementarity of these two sensors. Both sensors have a reaction time of less than 200 ms.

Published in: 2014 International Radar Conference

Date of Conference: 13-17 Oct. 2014

INSPEC Accession Number: 14998397

Date Added to IEEE Xplore: 16 March 2015

DOI: 10.1109/RADAR.2014.7060375

Electronic ISBN: 978-1-4799-4195-7

Publisher: IEEE

Print ISSN: 1097-5764

Conference Location: Lille, France

### SECTION I. Introduction

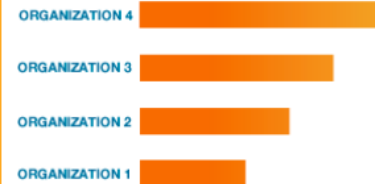
### More Like This

Understanding the signal structure in DVB-T signals for passive radar detection  
2010 IEEE Radar Conference  
Published: 2010

Passive radar detection with noisy reference signal using measured data  
2017 IEEE Radar Conference (RadarConf)  
Published: 2017

[View More](#)

### Top Organizations with Patents on Technologies Mentioned in This Article



# Access Figures Within an Article

Abstract

Document Sections

I. Introduction

II. Radar Description

III. PIR Sensors

IV. Measurement Setup

V. Real Time Signal Processing



**Figures**

References

Citations

Keywords

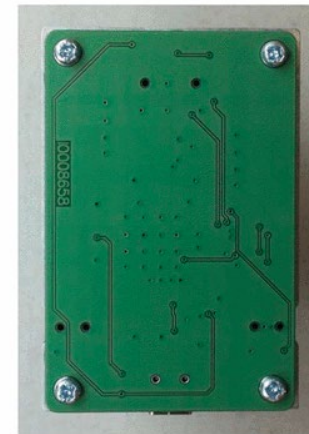
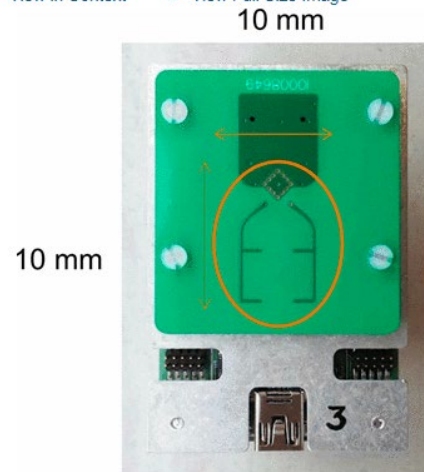
Metrics

Figures

Fig. 1.

[» View in Context](#)

[» View Full Size Image](#)



24 GHz FMCW radar. Top side view showing the chip and the two antennas (left); bottom side view (right).

Fig. 2.

[» View in Context](#)

[» View Full Size Image](#)



# Right-Click Equations: Copy Source Code

MathJax Equation Source - Google Chrome

about:blank

```
<math xmlns="http://www.w3.org/1998/Math/MathML" display="block">
  <table displaystyle="true">
    <mlabeledtr>
      <mtd id="mjax-eqn-1">
        <mtext>(1)</mtext>
      </mtd>
      <mtd>
        <mrow>
          <mo>{</mo>
          <table columnalign="left left" rowspacing=".2em" columnspacing="1em" displaystyle="false">
            <mtr>
              <mtd>
                <mi>L</mi>
                <mo>=</mo>
                <msub>
                  <mi>L</mi>
                  <mrow class="MJX-TeXAtom-ORD">
                    <mn>0</mn>
                  </mrow>
                </msub>
                <mo>+</mo>
                <mi mathvariant="normal">&#x0394;<!-- Δ --></mi>
                <mi>l</mi>
                <mi>o</mi>
                <mi>n</mi>
              </td>
            </mtr>
          </table>
        </mrow>
      </mtd>
    </mlabeledtr>
  </table>
</math>
```

# Right-Click Equations: Zoom Function

interpolation, the latitude and longitude are respectively  $L$  and  $B$ , interpolation equation is shown in (1):

▼ View S

Show Math As

$$\begin{cases} L = L_0 + \Delta lon \\ B = B_0 + \Delta lat \end{cases} \quad (1)$$

▼ View S

`\begin`  
`\tag{1`

$$\begin{cases} L = L_0 + \Delta lon \\ B = B_0 + \Delta lat \end{cases} \quad (1)$$

`\tag{1`

Where  $\Delta lon$  is the offset of longitude,  $\Delta lat$  is the calculating equation for  $\Delta lon$  and  $\Delta lat$  is shown

Trigger Requires:

- Alt
- Control
- Shift

$$\Delta lon = v^* \Delta t^* \sin \phi / (l^* \cos v) \quad (2)$$



# References & Citations

Abstract

Document Sections

I. Introduction

II. Radar Description

III. PIR Sensors

IV. Measurement Setup

V. Real Time Signal Processing

Author

Figures

**References**

Citations

Keywords

Metrics


## References

 Citation Map

1. [online] Available: [www.enlight-project.eu](http://www.enlight-project.eu).

▶ Show Context

2. E. M. Suijker et al., "Low cost low power 24 GHz FMCW radar transceiver for indoor presence detection", *44 th European Microwave Conference (EuMC)*, 2014.

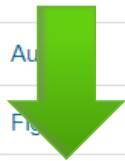
▶ Show Context [Google Scholar](#) 

3. E. B. Soyer, "Pyroelectric Infrared (PIR) Sensor Based Event Detection", July 2009.

▶ Show Context [Google Scholar](#) 

4. [online] Available: [http://www3.panasonic.biz/ac/e/search\\_num/index.jsp?c=detail&part\\_no=EKMC1601111](http://www3.panasonic.biz/ac/e/search_num/index.jsp?c=detail&part_no=EKMC1601111).

▶ Show Context



# Advanced Search: Full Text and Field Searching

Leverage both Full Text & Metadata and Full Text Only searching across multiple search strings

[Browse](#) [My Settings](#) [Get Help](#)

## Advanced Search ?

[Advanced Search](#) [Command Search](#) [Citation Search](#)

Enter keywords, select fields, and select operators

Search Term radar	in	Full Text & Metadata	<span>?</span>
AND	Search Term detect*	in	Full Text Only <span>↑</span> <span>×</span>
AND	Search Term Oxford Univ*	in	Author Affiliations <span>↑</span> <span>×</span> <span>+</span>

---

**Publication Year**

Documents Added Between: 09/04/2019 and 09/11/2019

Specify Year Range    From:     To:

All Available Years

Full Text & Metadata

All Metadata

**Full Text & Metadata**

Full Text Only

Document Title

Authors

Publication Title

Abstract

Index Terms

Accession Number

Article Number

Article Page Number

Author Affiliations

Author Keywords

Author ORCID

DOI

Funding Agency

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INSPEC Non-Controlled Terms

ISBN

# Command Search

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My Settings ▾

Get Help ▾

Browse ▾

## Advanced Search ?

Advanced Search

**Command Search**

Citation Search

All

Enter keywords, phrases, or a Boolean expression

Use the drop down lists to choose Data Fields and Operators. [Learn how to use Boolean expressions in Command Search.](#)

Data Fields ▾

Operators ▾

24 October 2019

Building E  
for the 21st

PRESENTED BY:  
Dr. Ben Sopranzi  
and Jennie Fiorenza

REGISTER NOW

Operators need to be in all caps - i.e. AND/OR/NOT/NEAR/ONEAR. There is a maximum of 40 search terms.

Search Expression Examples ?

(simulat\* OR dynamic) ONEAR/4 model

Reset All

Search

# Organize Your Research with a Free IEEE Xplore Personal Account

## Create an IEEE Account

\*Required fields

### Provide your personal information

\*Given/First name:

\*Last/Family/Surname:

### Enter e-mail address & password


The e-mail address provided here will be the username of your account

\*E-mail address:

\*Re-enter e-mail address:

\*Password:

What is a valid password?

 Your password is good

\*Confirm Password:

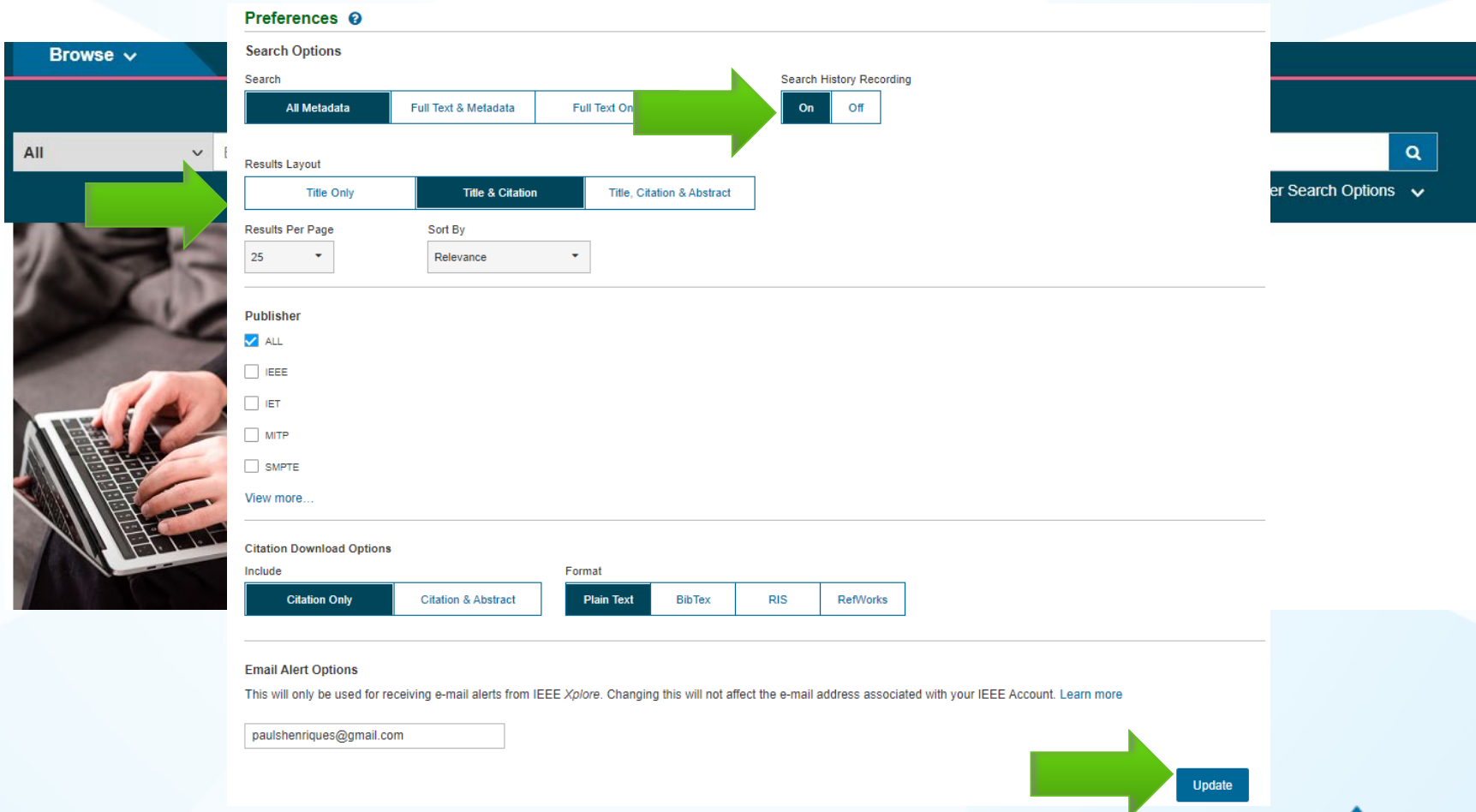
I have read and accept the IEEE Privacy Policy.



- Take advantage of personalized features, such as search preferences, search history and search alerts
- Select “Create Account” link on the top of any IEEE Xplore page
- Fill out your First Name, Last Name, and email address
- Your username is your email address

# Set Preferences with a Personal Account

NOTE: Search History defaults to "Off." Switch to "On" then click "Update" at the bottom of the page.



**Preferences** ⓘ

**Search Options**

Search

All Metadata | Full Text & Metadata | Full Text Only | **Search History Recording** (On | Off)

**Results Layout**

Title Only | **Title & Citation** | Title, Citation & Abstract

Results Per Page: 25 | Sort By: Relevance

**Publisher**

ALL  
 IEEE  
 IET  
 MITP  
 SMPTE

[View more...](#)

**Citation Download Options**

Include: Citation Only | Citation & Abstract | **Plain Text** | BibTex | RIS | RefWorks

Format: Plain Text | BibTex | RIS | RefWorks

**Email Alert Options**

This will only be used for receiving e-mail alerts from IEEE Xplore. Changing this will not affect the e-mail address associated with your IEEE Account. [Learn more](#)

**Update**

# Personal Account: Features to Save IEEE Content

- Download citations & export results (no Personal Account needed)
- Export articles to IEEE Collabratec Personal Library
- Saving a Search Alert: Limit of 15 saved searches, results delivered on Wednesdays
- Set defaults for number of results per page, citation downloads, and sort by
- Content and citation alerts
- Search History: IEEE *Xplore* saves your last 50 searches

# Download Citations



Search within results

Download PDFs | Per Page: 25 | Export | Set Search Alerts | Search History

Showing 1-25 of 20,421 for **radar NEAR/3 detect\***

Conferences (15,070)  Journals (4,923)  Magazine  Books (16)  Courses (5)  Standards

**Show**

- All Results
- My Subscribed Content
- Open Access

**Year**

Single Year | Range

1945 | 2019

From | To

Select All on Page

- Real time indoor presence detection with a novel radar on**  
D. Deiana ; E.M. Suijker ; R.J. Bolt ; A.P.M. Maas ; W. J. Vlothu  
2014 International Radar Conference  
Year: 2014 | Conference Paper | Publisher: IEEE  
Cited by: Papers (4)  
▶ Abstract [\(html\)](#) (770 Kb)
- A method of detection performance modeling in jamming c**  
**system**  
Tong-yun Shen ; Jian-jiang Ding ; Yuan Ding ; Jian-gui Shi  
Proceedings of 2011 IEEE CIE International Conference on Radar  
Year: 2011 | Volume: 2 | Conference Paper | Publisher: IEEE  
Cited by: Papers (1)  
▶ Abstract [\(html\)](#) (157 Kb)

**Format**

- Plain Text
- BibTeX
- RIS
- RefWorks

**Include**

- Citation Only
- Citation & Abstract

**Standards Dictionary Terms**

- Johnston factor
- bandwidth
- baseband radar
- carrier-free radar
- center frequency
- fractional bandwidth
- geometric center frequency
- ground penetrating radar (GPR)
- impulse radar
- nonsinusoidal radar
- nonsinusoidal signal

[Browse »](#)

# Export to IEEE Collabratec Personal Library



Search library



People

Communities

Workspaces



Paul

You have 12 items in your library.

+ Add

Select All



## FILTERS

- All
- Recently Added
- Incomplete Records
- To Review
- Favorites
- My Publications
- Recommended
- Show only folders
- Show only files

## DOCUMENT TYPE

## KEYWORDS

## PUBLICATION TITLE

## PUBLICATION YEAR

## PUBLISHER

Real time indoor presence detection with a novel radar on a chip

Source: 2014 International Radar Conference

Year: 2014

A method of detection performance modeling in jamming condition based on radar network system

Source: Proceedings of 2011 IEEE CIE International Conference on Radar

Year: 2011

Cultural Function and Spiritual Value of Computer Science History and Computer Science Education

Source: 2009 First International Workshop on Education Technology and Computer Science

Year: 2009

Necessity and problem of computational intelligence in welfare and rehabilitation engineering

## LIBRARY UTILITIES

Library Settings

Library Tools

## Recommended Articles

An adaptive multipath mitigation technique for GPS signal reception

VTC2000-Spring, 2000 IEEE 51st Vehicular Technology Conference Proceedings (Cat. No.00CH37026)

M. Rlinami

Add to Library

MATLAB-Arduino as a low cost microcontroller for 3 phase inverter

2014 IEEE Student Conference on Research and Development

Shamsul Aizam Zulkifli

Add to Library

Selection of power semiconductor





# Saved Search Alerts

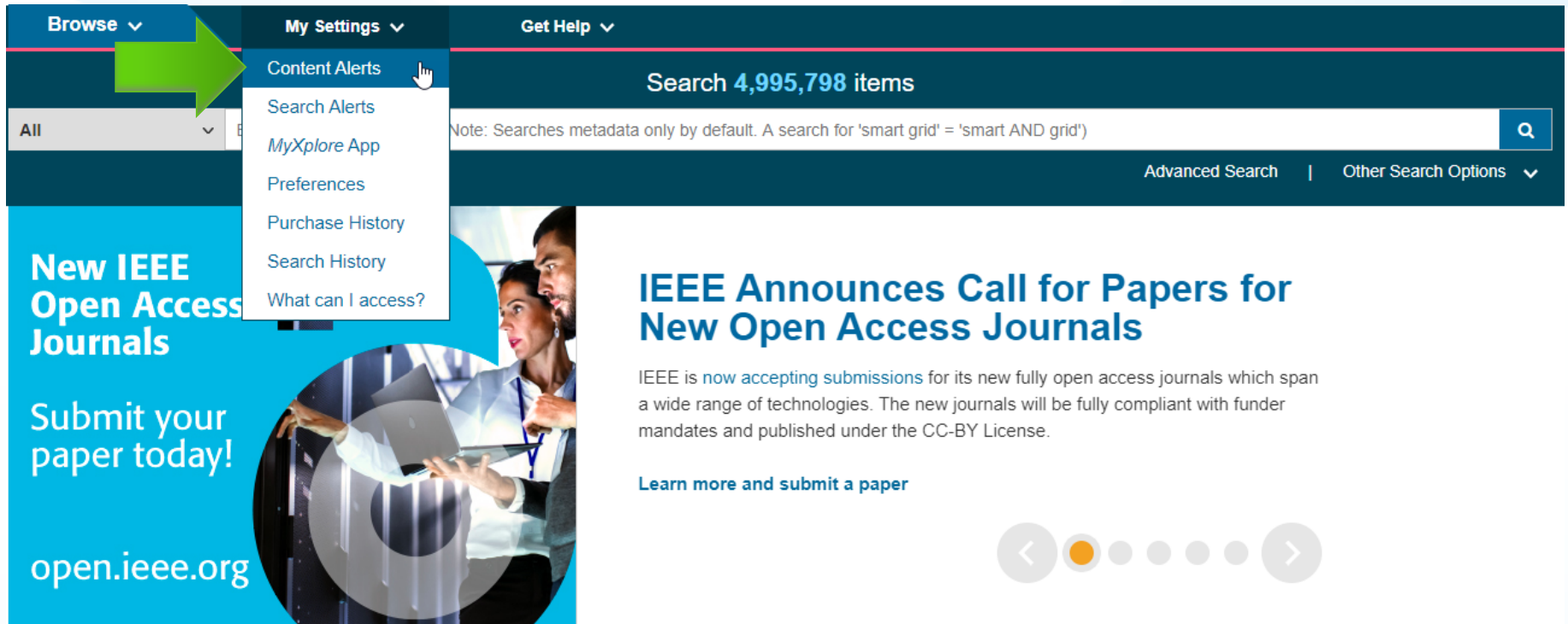
The screenshot displays the IEEE Xplore search interface. At the top, there is a search bar with the text "Search within results" and a magnifying glass icon. To the right of the search bar are several utility links: "Download PDFs", "Per Page: 25", "Export", "Set Search Alerts", and "Search History". Below the search bar, it indicates "Showing 1-25 of 20,421 for radar NEAR/3 detect\* x".

The main navigation bar is dark blue and contains "Browse", "My Settings", and "Get Help" menus. A green arrow points to the "Search Alerts" option in the "My Settings" dropdown menu. Below the navigation bar, the search results area shows "Search 4,995,798 items" and a search bar with a magnifying glass icon. To the right of the search bar are links for "Advanced Search" and "Other Search Options".

The featured article section includes a photograph of a person in a police uniform typing on a laptop. The article title is "Uncovering Missing Links in Unsolved Crimes Through Data Analysis". The text below the title reads: "Law enforcement organizations are now using big data analysis to uncover missing links in criminal cases and help solve cold cases." Below the text is a "Read More" link and a set of navigation arrows.

At the bottom of the screenshot, a search result snippet is visible. It includes a dropdown menu for "Author" and the following text: "Space-Range-Doppler Focus-Based Low-observable moving target Detection Using Frequency Diverse Array MIMO Radar", "Xiaolong Chen ; Baoxin Chen ; Jian Guan ; Yong Huang ; You He", and "IEEE Access".

# Content and Citation Alerts



The screenshot shows the IEEE website's navigation bar. The 'My Settings' dropdown menu is open, with 'Content Alerts' selected and highlighted by a green arrow. Other menu items include 'Search Alerts', 'MyXplore App', 'Preferences', 'Purchase History', 'Search History', and 'What can I access?'. The search bar shows 'Search 4,995,798 items' and a search icon. Below the navigation bar, there is a blue banner for 'New IEEE Open Access Journals' with the text 'Submit your paper today!' and the URL 'open.ieee.org'. To the right, there is a news article titled 'IEEE Announces Call for Papers for New Open Access Journals' with a sub-headline 'IEEE is now accepting submissions for its new fully open access journals which span a wide range of technologies. The new journals will be fully compliant with funder mandates and published under the CC-BY License.' and a link 'Learn more and submit a paper'. A carousel navigation indicator is visible at the bottom right of the banner area.

**Browse** ▾ **My Settings** ▾ **Get Help** ▾

**Content Alerts** ▾

- Search Alerts
- MyXplore App
- Preferences
- Purchase History
- Search History
- What can I access?

Search **4,995,798** items

Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid')

Advanced Search | Other Search Options ▾

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[Learn more and submit a paper](#)

# Content Alerts


Browse ▾ My Settings ▾ Get Help ▾

All ▾ Enter keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid')

Advanced Search | Other Search Options ▾

## Content Alerts

Manage your research quickly and efficiently with convenient email alerts

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### Journals & Magazines

Conferences

Standards

Books

Citation

#### Refine Results by

Select All

#### Content Type

Journals (247)


Magazines (49)

IEEE Access 

IEEE Aerospace and Electronic Systems Magazine 

#### Publisher

IEEE Transactions on Aerospace and Electronic Systems 


IEEE Transactions on Affectiv 



# Citation Alerts

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Journals & Magazines

Conferences

Standards

Books

**Citation**

### Real time indoor presence detection with a novel radar on a chip

D. Deiana; E.M. Suijker; R.J. Bolt; A.P.M. Maas; W. J. Vlothuizen; A.S. Kossen

### Visually controlled graphics

A. Azarbajani; T. Starner; B. Horowitz; A. Pentland

### High performance uncertainty quantification analysis of RF devices

George Stantchev; Simon Cooke; Kyle Elliott; John Petillo

# Access Search History

## Search History

Search History provides an authoritative record of your queries. You can:

- rerun, modify, and combine previous searches
- review refinements and other details of a previous search
- store up to 50 previous searches on your account

Search History Recording: **ON**  
(Modify settings in your preferences)

Select multiple searches to combine them together.

#	Search Query	Details
<input type="checkbox"/> 10	radar NEAR/3 detect*	20421 Oct. 21, 2019 14:57 UTC
<input type="checkbox"/> 9	(VOIP ONEAR/10 security)	297 Sep. 30, 2019 09:30 UTC
<input type="checkbox"/> 8	petroleum AND plastic*	242 Sep. 25, 2019 06:38 UTC
<input type="checkbox"/> 7	"resource management" NEAR/10 (oil OR gas)	113 Sep. 24, 2019 17:58 UTC
<input type="checkbox"/> 6	"clean energy" AND electric*	1452 Sep. 24, 2019 17:52 UTC
<input type="checkbox"/> 5	hydraulic AND drill*	143 Sep. 23, 2019 08:24 UTC
<input type="checkbox"/> 4	"computer science"	330119 Sep. 16, 2019 08:12 UTC
<input type="checkbox"/> 3	radar NEAR/3 detect*	20153 Sep. 11, 2019 19:34 UTC
<input type="checkbox"/> 2	semiconductor NEAR/5 "smart meter"	0 Jun. 19, 2019 10:25 UTC

### SEARCH HISTORY TIPS

Only the most recent 50 searches are displayed

Searches including "NEAR" or "ONEAR" operators cannot be combined

50 Keyword limit for combined searches

5 Wildcard limit for combined searches

Search alerts are not available for combined searches

Browse

All

New  
Open  
Journal

Submit  
paper

open.

Options

# IEEE Xplore: Resources & Help

Search for answers to frequently asked questions via the search box at the top of the page.

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Digital Library

Resources and Help

IEEE

Browse ▾

Search Resources and Help

All ▾ Ent

Other Search Options ▾

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## Introducing IEEE Open Journals

IEEE Xplore® is excited to introduce a suite of new Open Access journals. We are looking for submissions from experts for the following IEEE Open Journals:

- Antennas and Propagation ▶
- Circuits and Systems ▶
- Communications Society ▶
- Computer Society ▶
- Engineering in Medicine and Biology ▶
- Industrial Electronics Society ▶
- Industry Applications ▶
- Intelligent Transportation Systems ▶
- Nanotechnology ▶
- Power Electronics ▶
- Signal Processing ▶
- Solid-State Circuits ▶

### Quick Links

- New Features
- Author Tools
- User Tips
- Content Alerts

# Gracias!

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