

IEEE資訊搜尋訣竅與學術生涯晉升指南

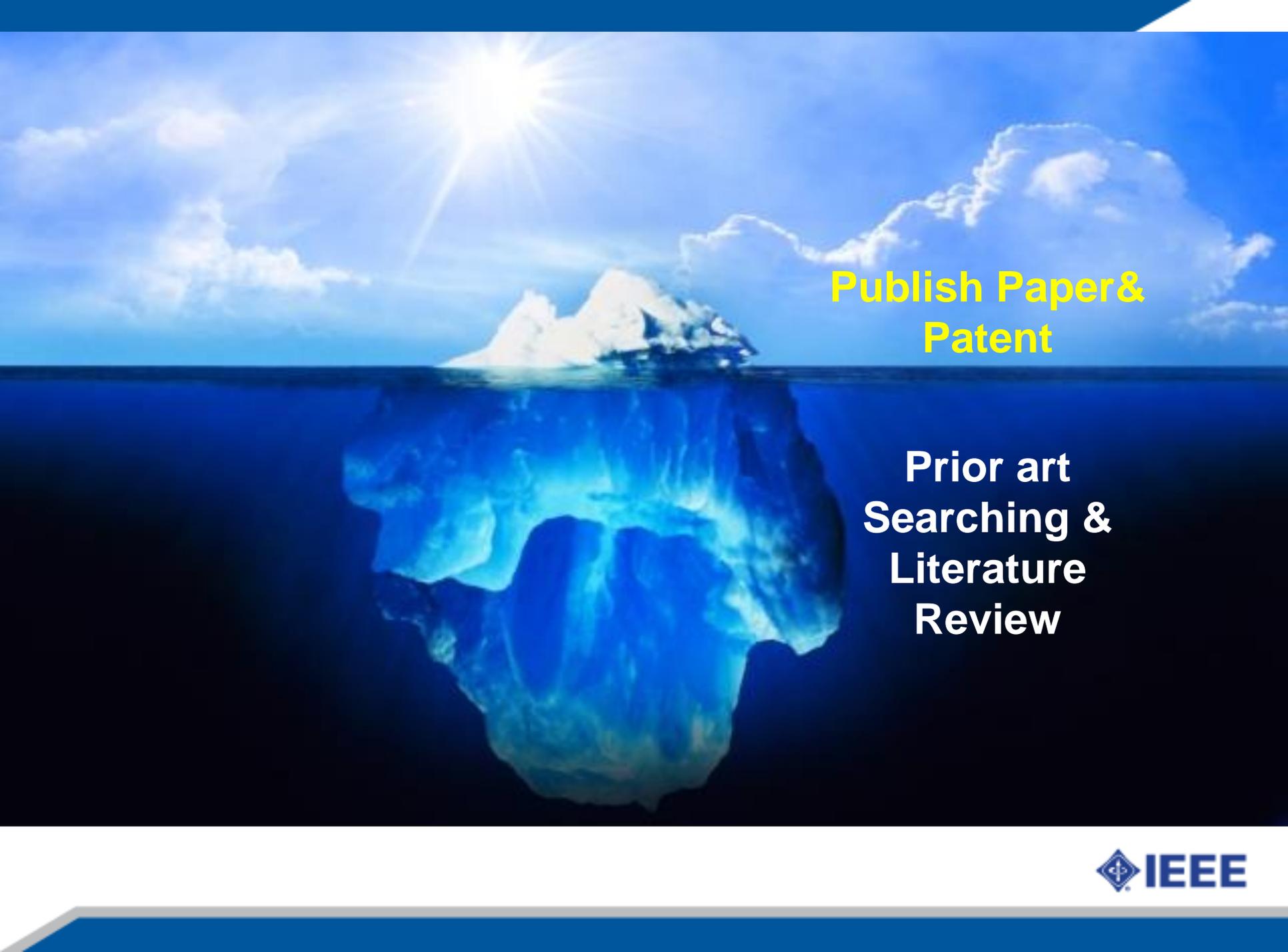
李箐

IEEE亞太區學術經理



Agenda

- **IEEE Introduction**
- **Effective Searching-literature review**
- **Quality Publishing-from idea to paper**
- **Quality Publishing-from idea to patent**
- **Career Development**

An iceberg floating in the ocean under a bright sun and blue sky. The visible tip of the iceberg is small, while the much larger submerged part is hidden below the water line. The sun is in the upper left, casting rays across the sky. The water is a deep blue, and the sky is a lighter blue with some white clouds.

**Publish Paper &
Patent**

**Prior art
Searching &
Literature
Review**

IEEE Introduction



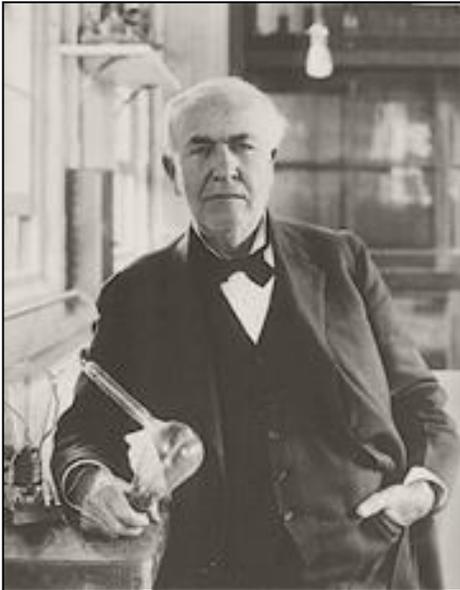


**The Institute of Electrical
and Electronics Engineers**



American Institute of Electrical Engineers (AIEE)

Founding officers of the American Institute of Electrical Engineers in 1884:



Thomas A. Edison



Alexander Graham Bell

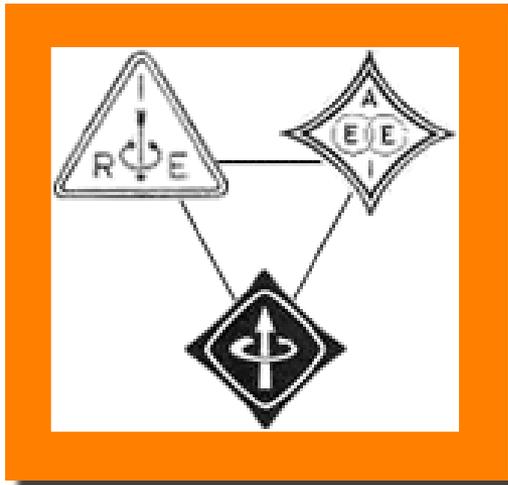
The Institute of Radio Engineers(IRE)

*Founding member of the Institute of Radio Engineers
in 1912:*



Guglielmo Marconi

AIEE + IRE = IEEE



On **January 1, 1963**, the **Institute of Electrical and Electronics Engineers** was born with **150,000** members.

Today's IEEE

Our Global Reach

430,000+
Members



45
Technical Societies and
Councils



160+
Countries



Our Technical Breadth

1,500+
Annual Conferences



4,000,000+
Technical Documents



180
Top-cited Periodicals



- IEEE Aerospace and Electronic Systems Society
- IEEE Antennas and Propagation Society
- IEEE Broadcast Technology Society
- IEEE Circuits and Systems Society
- IEEE Communications Society
- IEEE Components, Packaging, and Manufacturing Technology Society
- IEEE Comput...
- IEEE Compu...
- IEEE Consum...
- IEEE Control...
- IEEE Dielectr... Society
- IEEE Educatio...
- IEEE Electron Devices Society
- IEEE Electromagnetic Compatibility Society
- IEEE Engineering in Medicine and Biology Society
- IEEE Geoscience and Remote Sensing Society
- IEEE Industrial Electronics Society
- IEEE Industry Applications Society
- IEEE Information Theory Society
- IEEE Instrumentation and Measurement Society
- IEEE Intelligent Transportation Systems Society
- IEEE Magnetics Society
- IEEE Microwave Theory and Techniques Society
- IEEE Nuclear and Plasma Sciences Society
- IEEE Oceanic Engineering Society
- IEEE Photonics Society
- IEEE Power Electronics Society
- IEEE Power & Energy Society
- IEEE Product Safety Engineering Society
- IEEE Professional Communication Society
- IEEE Technology and Engineering Management Society
- IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society
- IEEE Vehicular Technology Society

39 IEEE Societies



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

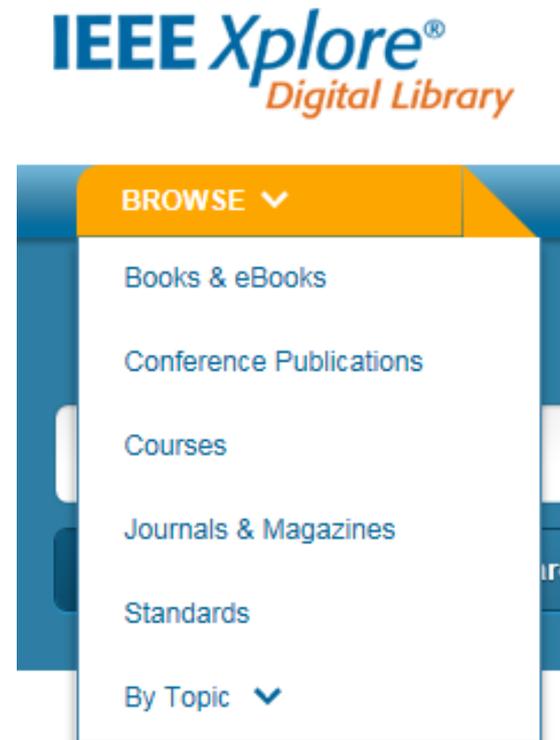


Effective Searching of IEEE Xplore



Full text access to IEEE/IET Electronic Library (IEL)

- Over four million full text documents
- 180 **IEEE journals & magazines**
- 1400+ annual **IEEE conferences** + 43 **VDE conferences**
- More than **2800 IEEE standards** (active, archived, redlines) + **IEEE Standard Dictionary**
- 20 **IET conferences**, 26 **IET journals & magazines**
- **Bell Labs Technical Journal (BLTJ)** back to 1922
- Backfile to 1988, select legacy data back to 1872
- Educational Courses
- Technical Books



New IEEE Journals in 2017

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

All Included in an IEL Subscription

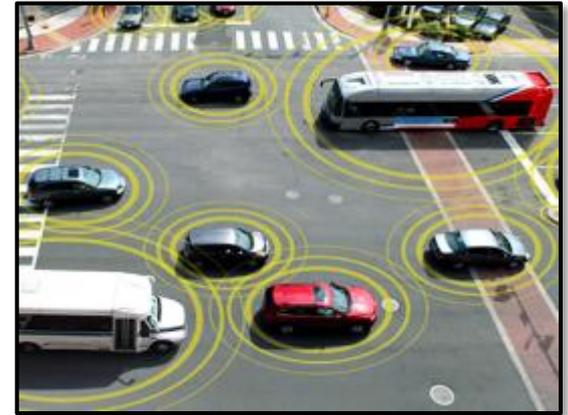
For a complete title listing, to go: <http://ieeexplore.ieee.org/xpl/opacjrn.jsp>



New IEEE Journals in 2016

In 2016, IEEE introduced four new journals available for subscription:

- *IEEE Trans. on **Intelligent Vehicles***
- *IEEE Journal on **Multiscale and Multiphysics Computational Techniques***
- *IEEE **Robotics and Automation Letters***
- *IEEE Trans. on **Sustainable Computing***



All included in an IEL subscription

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

First Steps

Your research problem must contribute new and important knowledge to your field

- **Conduct a Literature Review**
- **Gather References & Citations**
- **Take Notes & Keep Track**



Multiple ways to start a search

IEEE.org | IEEE Xplore Digital Library | IEEE-SA | IEEE Spectrum | More Sites Cart (0) | Create Account | Personal Sign In

IEEE Xplore[®] Digital Library > Institutional Sign In

Advanced Search Options

Advanced Keyword/Phrases | Command Search | Citation Search | Preferences

ENTER KEYWORDS OR PHRASES, SELECT FIELDS, AND SELECT OPERATORS
Note: Refresh page to reflect updated preferences.

Search : Metadata Only Full Text & Metadata

radar imaging in Metadata Only

AND ISAR imag* in Metadata Only

AND in Metadata Only

Searching metadata only NOT a Full text search
Automatic stemming
Case insensitive
Type-ahead (also known as auto suggest) functionality

Radar Imaging <adaptive Joint Time-freq. Algm. For Focusing Distorted ISAR Images From Simulated

Knowledge of the “art”

Displaying results 1-25 of 31,868 for **radar imaging** x

Show All Results | Per Page 25 | Sort By Relevance

Select All on Page | Download Citations | Export to IEEE Collabratec | Set Search Alerts | Search History

Publication Title

- Geoscience and Remote Sensing, IEEE Transactions on (2,236)
- Geoscience and Remote Sensing Letters, IEEE (933)
- Geoscience and Remote Sensing Symposium (IGARSS), 2012 IEEE International (521)
- Selected Topics in Applied Earth Observations and Remote Sensing, IEEE Journal of (489)
- Aerospace and Electronic Systems, IEEE Transactions on (480)

[View more...](#)

- Enhanced Back Projection Algorithm for Linear Frequency Diverse Array Synthetic Aperture Radar Imaging**
- Yin; Da Ran; Xin Jia
Proceedings of EUSAR 2016: 11th European Conference on Synthetic Aperture Radar
Year: 2016
Pages: 1 - 5
VDE Conference Publications
▶ [Abstract](#) (333 Kb)
- A novel method to retrieve sea wave components from radar image sequence**
Yanbo Wei; Zhizhong Lu; Jian-Kang Zhang
2016 IEEE International Conference on Mechatronics and Automation
Year: 2016
Pages: 1691 - 1696, DOI: 10.1109/ICMA.2016.7558818
IEEE Conference Publications
▶ [Abstract](#) (2392 Kb)

Start broad, narrow down

Displaying results 1-25 of 1,418 for **radar imaging** x **ISAR imag*** x

Show All Results | v

Per Page 25 | v

Sort By Relevance | v

Select All on Page

Download Citations v | Search History

Export to IEEE Collabratec v | Set Search Alerts v

Refine results by ?

Search within result 

Content Type ^

- Conference Publications (1,049)
- Journals & Magazines (367)
- Early Access Articles (2)

Year ^

Single Year Range

1987 2016

- High-resolution multiple-input-multiple-output-inverse synthetic aperture radar imaging based on sparse representation** 

Jianchao Yang; Weimin Su; Hong Gu

IET Radar, Sonar & Navigation

Year: 2016, Volume: 10, Issue: 7

Pages: 1277 - 1285, DOI: 10.1049/iet-rsn.2015.0517

IET Journals & Magazines

▶ Abstract  (2896 Kb) 

- 2-D sparse autoregressive modeling for high resolution radar imaging** 

Bahar Özen; Işın Erer

2016 24th Signal Processing and Communication Application Conference (SIU)

Year: 2016

Pages: 857 - 860, DOI: 10.1109/SIU.2016.7495875

IEEE Conference Publications

▶ Abstract  (360 Kb) 

Need Full-Text

access to IEEE Xplore for your organization?

REQUEST A FREE TRIAL

Proceedings of IEEE



One of the

Identify most cited papers

Displaying results 1-25 of 1,418 for **radar imaging** x **ISAR imag*** x

Show All Results | Per Page 25 | Sort By Relevance |

Select All on Page | Download Citations | Search History | Get Search Alerts

Refine results by

Search within result

Content Type

Conference Publications (1,049)

High-resolution multiple-input-multiple-output aperture radar imaging based on sparse representation
Jianchao Yang; Weimin Su; Hong Gu
IET Radar, Sonar & Navigation
Year: 2016, Volume: 10, Issue: 7
Pages: 1277 - 1285, DOI: 10.1049/iet-rsn.2015.0517
IET Journals & Magazines

▶ Abstract  (2896 Kb) ©

Sort By dropdown menu:
Relevance (highlighted)
Relevance
Newest First
Oldest First
Most Cited [By Papers] (circled in red)
Most Cited [By Patents]
Publication Title A-Z
Publication Title Z-A

Need Full-Text
access to IEEE
for your organization
REQUEST A FULL-TEXT

Proceedings

Follow the lead, deep dive

Browse Journals & Magazines > IEEE Transactions on Informat... > Volume: 12 Issue: 1 ?

< Previous | Back to Results | Next >

Effective and Efficient Global Context Verification for Image Copy Detection

Sign In or Purchase
to View Full Text

25
Paper
Citations

271
Full
Text Views

Related Articles

Direct gray-scale minutiae detection in fingerprints

Geometrically invariant watermarking using feature points

Structural matching in computer vision using probabilistic relaxation

[View All](#)

5

Author(s)

∨ Zhili Zhou  ; ∨ Yunlong Wang ; ∨ Q. M. Jonathan Wu ; ∨ Ching-Nung Yang ; ∨ Xingming Sun

[View All Authors](#)

Abstract

[Authors](#)

[Figures](#)

[References](#)

[Citations](#)

[Keywords](#)

[Metrics](#)

[Media](#)

Abstract:

To detect illegal copies of copyrighted images, recent copy detection methods mostly rely on the bag-of-visual-words (BOW) model, in which local features are quantized into visual words for image matching. However, both the limited discriminability of local features and the BOW quantization errors will lead to many false local matches, which make it hard to distinguish similar images from copies. Geometric consistency verification is a popular technology for reducing the false matches, but it neglects global context information of local features and thus cannot solve this problem well. To address this problem, this paper proposes a global context verification scheme to filter false matches for copy detection. More specifically, after obtaining initial scale invariant feature transform (SIFT) matches between images based on the BOW quantization, the overlapping region-based global context descriptor (OR-GCD) is proposed for the verification of these matches to filter false matches. The OR-GCD not only encodes relatively rich global context information of SIFT features but also has good robustness and efficiency. Thus, it allows an effective and efficient verification.

Images

Abstract

Authors

Figures

References

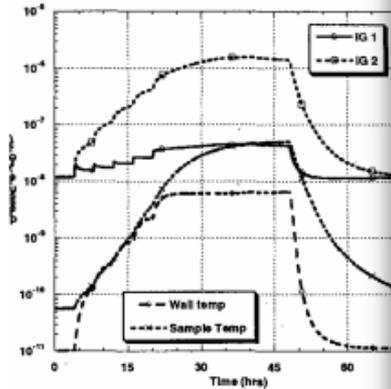
Citations

Keywords

Metrics

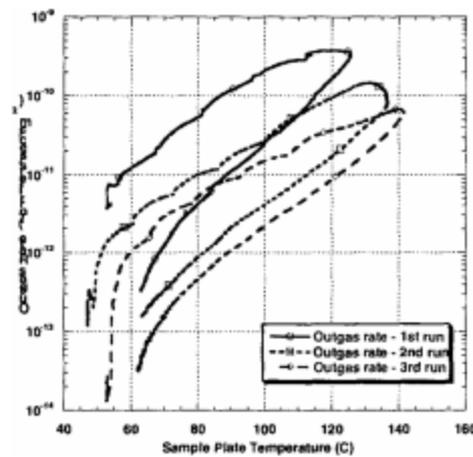
Media

Figure 1.



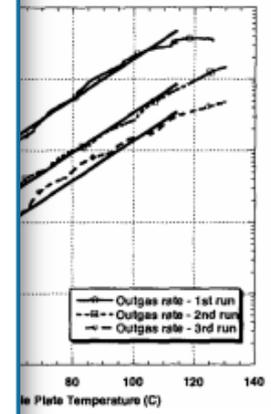
Pressure and temperature versus time

Figure 2.



» [View in Context](#)

» [View Full Size Image](#)



Sample Plate Temperature (C)

apollon



[View All](#)

References

 Download PDF

 Download Citations

 View References

 Email

 Print

 Request Permissions

 Export to Collabratec

 Alerts

References

1. F. Dörfler, F. Bullo, "Synchronization in complex networks of phase oscillators: A survey", *Automatica*, vol. 50, no. 6, pp. 1539-1564, 2014.
[▶ Show Context](#) [CrossRef](#)
2. Y. Tang, H. Gao, J. Kurths, J.-A. Fang, "Evolutionary pinning control and its application in UAV coordination". *IEEE Trans. Ind. Informat.*, vol. 8, no. 4, pp. 828-838, Nov. 2012.
[▶ Quick Abstract](#) [▶ Show Context](#) [View Article](#) [Full Text: PDF \(2156KB\)](#)
3. B. Shen, Z. Wang, X. Liu, " Bounded H_∞ synchronization and state estimation for discrete time-varying stochastic complex networks over a finite horizon ". *IEEE Trans. Neural Netw.*, vol. 22, no. 1, pp. 145-
[▶ Quick Abstract](#) [▶ Show Context](#)
4. B. Shen, Z. Wang, D. Ding, H. Shu, " H_∞ state estimation for complex networks with uncertain inner coupling and incomplete measurements ", *IEEE Trans. Neural Netw. Learn. Syst.*, vol. 24, no. 12, pp. 2027-2037, Dec. 2013.
[▶ Quick Abstract](#) [▶ Show Context](#) [View Article](#) [Full Text: PDF \(617KB\)](#)

更快獲取參考文獻全文，
追溯經典文獻

Citations

[Abstract](#)[Authors](#)[Figures](#)[References](#)[Citations](#)[Keywords](#)[Metrics](#)[Media](#)[Citations](#)[Citation Map](#)[By Papers](#)[By Patents](#)

快速獲取引文全文，
瞭解領域研究進展

[IEEE Publications \(3428\)](#)[Other Publications \(809\)](#)

1. Zhengquan Zhang, Zheng Ma, Ming Xiao, George K. Karagiannidis, Zhiguo Ding and Pingzhi Fan, "Two-Timeslot Two-Way Full-Duplex Relaying for 5G Wireless Communication Networks", *Communications IEEE Transactions on*, vol. 64, pp. 2873-2887, 2016, ISSN 0090-6778.

[View Article](#)[Full Text: PDF \(2262KB\)](#)

2. Ming He, Zongpeng Li, Chuan Wu and Xunrui Yin, "On uniform matroidal networks", *Information Theory Proceedings (ISIT) 2013 IEEE International Symposium on*, pp. 2730-2734, 2013, ISSN 2157-8117.

[View Article](#)[Full Text: PDF \(213KB\)](#)

3. Zhuofeng Li, Changqiao Xu, Jianfeng Guan, Hongke Zhang and Gabriel-Miro Muntean, "Efficient concurrent multipath transfer using network coding in wireless networks", *Wireless Communications and Networking Conference (WCNC) 2014 IEEE*, pp. 2845-2850, 2014.

[View Article](#)[Full Text: PDF \(653KB\)](#)[View All](#)

Citation map

Abstract

Citations

By Papers

IEEE Publicat

1. Zheng
Xiao, G
Zhiguo
Times
Relayin
Comm
Comm
on, vol.
ISSN 00

View
Article

Citation Map

This view provides a high-level visual representation of references and citing documents for this article. To view the full listing, select "View All References" or "View All Citations".

[View All References](#)

[View All Citations](#)

Viewing: **A comparison of methods for multiclass support vector machines**

References in this Article

- 6 Support-vector network
- 7 On the learnability and design of output codes for multiclass problems
- 8 Ultraconservative Online Algorithms for Multiclass Problems
- 9 Another Approach to Polychotomous Classification
- 10 The kernel adatron algorithm: A fast and simple learning procedure for support vector machines

This Article

Citations to this Article

- 1 Combined multiple svm classifiers based on Choquet integral with respect to L- measure
- 2 Fault diagnosis and novel fault type detection for PEMFC system based on spherical-shaped multiple-class support vector...
- 3 Recognition of face expressions using Local Principal Texture Pattern
- 4 A novel approach for radar emitter signal recognition
- 5 Source based feature extraction for support vector machines in hyperspectral classification

3. Zhuofen
Jianfeng
Gabriel-
concurr
network
network
Comm
Confere
2845-28

View
Article

Affiliation search

Displaying results 1-25 of 1,916 for (**"Author Affiliations":Chung Hsing Univ***) AND "Author Affiliations":

Show All Results | v

Per Page 25 | v

Sort By Relevance | v

Select All on Page

Export | Set Search

Refine results by ?

Search within results 

Content Type ^

- Conference Publications (1,374)
- Journals & Magazines (531)
- Early Access Articles (11)

- A *Delta*-*Sigma* PLL-Based Spread-Spectrum Clock Generator With a Ditherless Fractional Topology** 

Ching-Yuan Yang; Chih-Hsiang Chang; Wen-Ger Wong
IEEE Transactions on Circuits and Systems I: Regular Papers

Year: 2009, Volume: 56, Issue: 1

Pages: 51 - 59, DOI: 10.1109/TCSI.2008.926975

Cited by: [Papers \(23\)](#)

IEEE Journals & Magazines

[Abstract](#) [\(\(html\)\)](#)  (2226 Kb) 

- Hybrid navigation of a four-wheeled tour-guide robot** 



Author search

Displaying results 1-25 of 108 for "Authors": Juang, Chia-Feng "First Name": Chia-Feng x "Last Name":

Show | Per Page | Sort By

Select All on Page Export | Set Search A

Refine results by ?

Search within results

Content Type ^

- Journals & Magazines (54)
- Conference Publications (52)
- Early Access Articles (2)

Data-Driven Interval Type-2 Neural Fuzzy System With High Learning Accuracy and Improved Model Interpretability 

Chia-Feng Juang; Chi-You Chen

IEEE Transactions on Cybernetics

Year: 2013, Volume: 43, Issue: 6

Pages: 1781 - 1795, DOI: 10.1109/TSMCB.2012.2230253

Cited by: [Papers \(22\)](#)

IEEE Journals & Magazines

[Abstract](#) [\(\(html\)\)](#)  (1121 Kb) 

Temperature control by chip-implemented adaptive recurrent fuzzy controller designed by evolutionary algorithm 

Code Ocean: View and Run Algorithms

Browse Journals | Image | View | 4 Author(s) | Abstract | This IEEE download | Algorithm | Program | View Algorithm

CODE OCEAN Dashboard Explore Learn

Combo Synergy of Two Drugs

Source Files: main.R, README.md, run.sh

```
1 require(RSQLite)
2 require(plotly)
3
4
5 make_plot<-function(drugA, drugB, cell){
6   query<-paste('select drugA_name, drugA_conc, drugB_name, drugB_conc, x2x0, HSA, Bliss from c
7   drugA, ','', drugB, ') and drugB_name in ('', drugA, ',', drugB, ') and cell_line='
8   cell, '' order by drugA_conc, drugB_conc', sep='')
9
10  data<-dbGetQuery(db,query)
11
12  if (dim(data)[1]>0) {
13    drugA_conc<-unique(data[, "drugA_conc"])
14    drugB_conc<-unique(data[, "drugB_conc"])
15    a_conc<-rep(c(0,1,2,3),each=4)
16    b_conc<-rep(c(0,1,2,3),4)
17
18    observed.data<-matrix(data[, "x2x0"], nrow=4, ncol=4, byrow=TRUE)
19    hsa<-matrix(data[, "HSA"], nrow=4, ncol=4, byrow=TRUE)
20    bliss<-matrix(data[, "Bliss"], nrow=4, ncol=4, byrow=TRUE)
21
22    p<-plot_ly(z=observed.data, type="
23    add_trace(x=b_conc, y=a_conc, z=da
24    add_trace(z=hsa, type="surface", c
25    add_trace(x=b_conc, y=a_conc, z=da
26    add_trace(z=bliss, type="surface",
27    add_trace(x=b_conc, y=a_conc, z=da
28    layout(title = paste(drugA, "&
29    scene = list(
30      zaxis = list(title = "
31      xaxis = list(title = "
32      yaxis = list(title = "
33
```

Run the Algorithm

Run 3363841

Run Time: 0h 00m 03s | Jan 02, 2017 | 15:30

Collecting Results...

Output

Run 2826088

Run Time: 0h 00m 04s | Dec 27, 2016 | 10:08

Output

415 B

plot.html 1.91 MB

plot_files 1.11 MB

Published Result

5-FU & ABT-888 Combination

viability

drugB concentration

drugA concentration

Observed Data

Predicted (HSA)

Predicted (Bliss)

Attaching package: 'plotly'

The following object is masked from 'package:ggplot2':

last_plot

The following object is masked from 'package:ggplot2':

layout

First Steps

Your research problem must contribute new and important knowledge to your field

- Conduct a Literature Review
- Gather References & Citations
- **Take Notes & Keep Track**



Create a free personal account

IEEE.org | IEEE Xplore Digital Library | IEEE-SA | IEEE Spectrum | More Sites Cart (0) [Create Account](#) | [Personal Sign In](#)

IEEE Xplore[®]
Digital Library

Access provided by:
IEL Demo User
» Sign Out



BROWSE ▾ | **MY SETTINGS** ▾ | **GET HELP** ▾ | **WHAT CAN I ACCESS?**

Search 3,972,309 items

Enter Search Term  Search

Basic Search | **Author Search** | **Publication Search** | **Advanced Search** | **Other Search Options** ▾

Personal account benefits

- ***Saved Search Alerts***: Stay up-to-date with the latest research by saving your search. IEEE will notify you when new articles of interest are available.
- ***Table of Contents Alerts***: Sign up to receive an email when a new journal or magazine in your area of interest has been posted online.
- ***Search History***: Search history allows you to record your 50 most recent searches for later viewing and create more complex searches by combining searches. Turn on the search history recording feature in your preferences.
- ***Search Preferences***: Designate what you want to search and how you want your search results displayed in IEEE *Xplore* by setting search preferences.

Stay current: Saved Search Alerts

The screenshot shows the IEEE Xplore search interface. At the top, a search bar contains the text "cloud computing" and a yellow "Search" button. Below the search bar are tabs for "Basic Search", "Author Search", "Publication Search", "Advanced Search", and "Other Search Options". The main content area displays "Displaying results 1-25 of 2,731 for 'cloud computing' and refined by Content Type: Journals & Magazines". Below this are filters for "Show All Results", "Per Page 25", and "Sort By Relevance". A navigation bar includes "Select All on Page", "Download Citations", "Export to IEEE Collabratec", "Set Search Alerts", and "Search History". On the left, a "Refine results by" section has a "Search within results" box and a "Content Type" filter. The main results list shows a paper titled "Green Cloud Computing: Balancing Energy in Processing, Storage, and Transport" by Jayant Baliga et al. A red-bordered dialog box titled "Set Alert" is overlaid on the right, containing a "Search Alert Name" field, an "Email Address" field with the value "r.berrington@ieee.org", and "Cancel" and "Save" buttons.

"cloud computing" Search

Basic Search Author Search Publication Search Advanced Search Other Search Options

Displaying results 1-25 of 2,731 for "cloud computing" and refined by
Content Type: Journals & Magazines

Show All Results Per Page 25 Sort By Relevance

Select All on Page Download Citations Export to IEEE Collabratec Set Search Alerts Search History

Refine results by ?

Search within results

Content Type

Green Cloud Computing: Balancing Energy in Processing, Storage, and Transport
Jayant Baliga; Robert W. A. Ayre; Kerry Hinton; Rodney S. Tucker
Proceedings of the IEEE
Year: 2011, Volume: 99, Issue: 1
Pages: 149 - 167, DOI: 10.1109/JPROC.2010.2060451
Cited by: Papers (171)

Set Alert
Search Alert Name*
Email Address
r.berrington@ieee.org
Cancel Save

Enter Search Term

Search

Basic Search

Author Search

Publication Search

Advanced Search

Other Search Options ▾

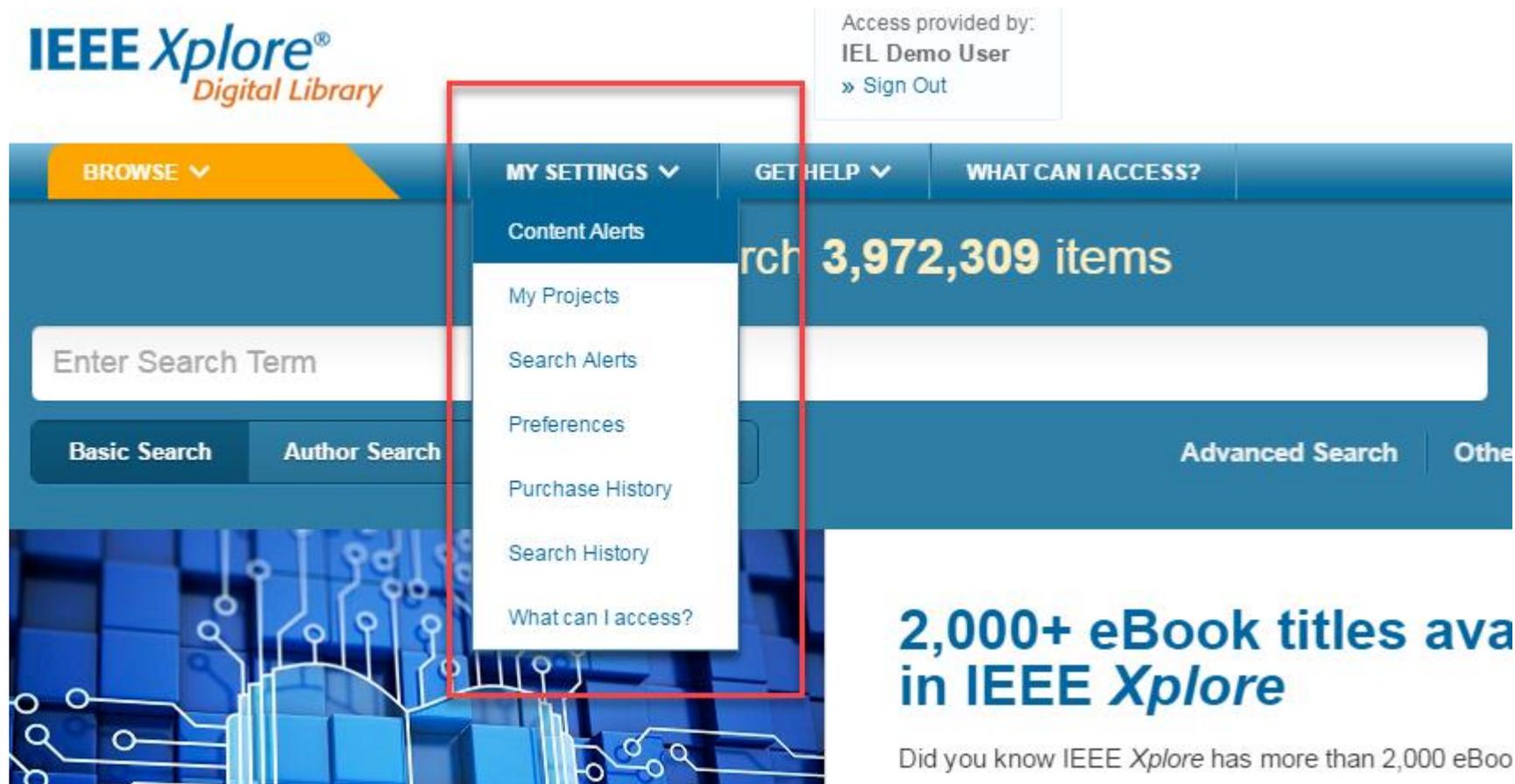
My Settings > Search Alerts

Search Alerts ?

Alerts will be sent to r.berrington@ieee.org in **plaintext** format. These settings can be updated within the Preferences feature.

1	tuesday test	You Searched For "system on chip"	RSS	Rename	Delete	Disable Alert
2	phase calibration	You Searched For "timing error calibration" You refined by " phase measurement "	RSS	Rename	Delete	Disable Alert
3	low noise amps	You Searched For "low noise amplifiers" You refined by " Content Type[Journals & Magazines;Early Access Articles] "	RSS	Rename	Delete	Disable Alert
4	zigbee	You Searched For ""zigbee sensor network"" You refined by " home energy network "	RSS	Rename	Delete	Enable Alert

Keep Current: Content Alerts



IEEE Xplore[®]
Digital Library

Access provided by:
IEL Demo User
» Sign Out

BROWSE ▾ MY SETTINGS ▾ GET HELP ▾ WHAT CAN I ACCESS?

Content Alerts

My Projects

Search Alerts

Preferences

Purchase History

Search History

What can I access?

rch 3,972,309 items

Enter Search Term

Basic Search Author Search Advanced Search Other

2,000+ eBook titles available in IEEE Xplore

Did you know IEEE Xplore has more than 2,000 eBooks

Content

Select journals when articles

Alerts will be preferred

Journals & I

Content Al

Select/D

IEEE A

IEEE A

IEEE T

IEEE T

Latest Iss

IEEE A

6 new results for 'low noise amps'

Inbox x



IEEE Xplore Search Alerts <no-reply@ieee.org>

to me

IEEE Xplore Search Alerts

Saved Search Name:

low noise amps

Search Query:

low noise amplifiers::Content Type[Journals & Magazines;Early Access Articles]:

6 NEW RESULTS

View Results (http://ieeexplore.ieee.org/search/searchresult.jsp?refinements=4291944246,4291944245&searchFi20160718_Search%20Latest%20Date&dld=aVVIZS5vcmc=)

A Compact 57–67 GHz Bidirectional LNAPA in 65-nm CMOS Technology

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amumber=7514248&contentType=Early+Access+Articles&dld=>

Posted Online: 2016-07-15

Author(s): Fanyi Meng;Kaixue Ma;Kiat Seng Yeo;Chim Chye Boon;Xiang Yi;Junyi Sun;Guangyin Feng;Shanshan

Published In: IEEE Microwave and Wireless Components Letters

mini microwave

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amumber=7509861&contentType=Journals+%26+Magazines&>

Posted Online: 07/14/2016

Published In: Electronics Letters

A 1.2-V Low-Power CMOS Chopper-Stabilized Analog Front-End IC for Glucose Monitoring

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amumber=7514224&contentType=Early+Access+Articles&dld=>

Posted Online: 2016-07-15

Author(s): Jongpal Kim;Hyoungko Ko

Published In: IEEE Sensors Journal

A Fully Integrated Wireless Compressed Sensing Neural Signal Acquisition System for Chronic Recording and Bra

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amumber=7515159&contentType=Early+Access+Articles&dld=>

Posted Online: 2016-07-18

Author(s): Xilin Liu;Milin Zhang;Tao Xiong;Andrew G. Richardson;Timothy H. Lucas;Peter S. Chin;Ralph Etienne-

Published In: IEEE Transactions on Biomedical Circuits and Systems

Energy Detection Spectrum Sensing Under RF Imperfections

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&amumber=7463533&contentType=Journals+%26+Magazines&>

Posted Online: 07/13/2016

Author(s): Alexandros-Apostolos A. Boulogeorgos;Nestor D. Chatzidiamantis;George K. Karagiannidis

Access Saved Searches & Alerts >>

Personalized Author Alerts

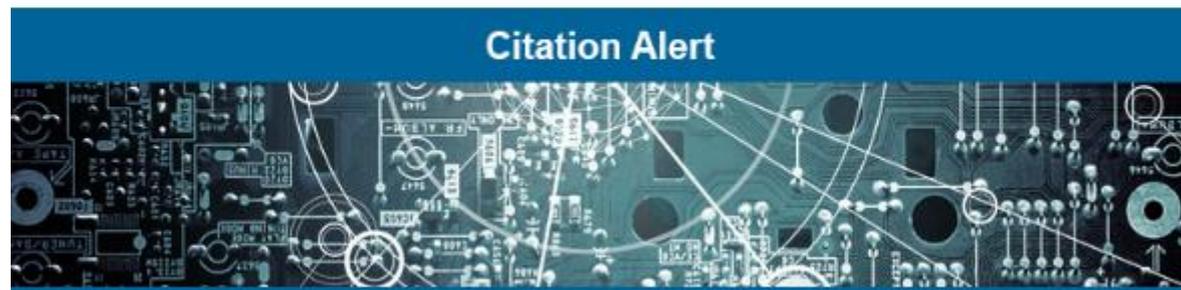
Publication Alerts

- Notify author when article is published on IEEE *Xplore*

Citation Alerts

- Notify author and researchers when article in IEEE *Xplore* is cited

IEEE *Xplore*[®]
Digital Library



Citation Alert

Dear Dr. John Smith,

 Share this Alert

The article, "[Stochastic Computing Improves the Timing-Error Tolerance and Latency of Turbo Decoders: Design Guidelines and Tradeoffs](#)" has just been cited.

Citing Paper:

- **Article:** [Design of Stochastic Computing Circuits Using Nanomagnetic Logic](#)
- **Publication:** [IEEE Transactions on Nanotechnology](#)
- **Issue Date:** 10 March 2016
- **Authors:** R. Perricone; Y. Liu; A. Dingler; X. S. Hu; M. Niemier
- **Digital Object Identifier:** [10.1109/TNANO.2016.2520019](#)

View the article by clicking the title above.

If you do not wish to receive citation alert emails, simply [unsubscribe](#).

Quality Publishing -from idea to paper



IEEE journal or IEEE conference?

IEEE Journals



- IEEE journals are cited 3 times more often in patent applications than other leading publisher's journals



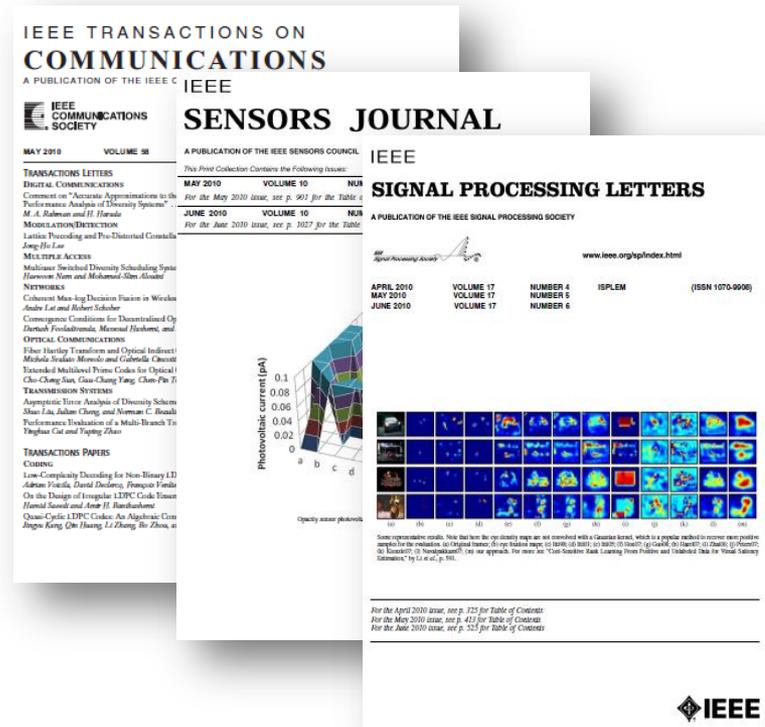
- A high percentage of articles submitted to any professional publication are rejected

IEEE Conferences

- IEEE Conference proceedings are recognized worldwide as the most vital collection of consolidated published articles in EE, computer science, related fields
- Per IEEE Policy, if you do not present your article at a conference, it may be suppressed in IEEE *Xplore* and not indexed in other databases

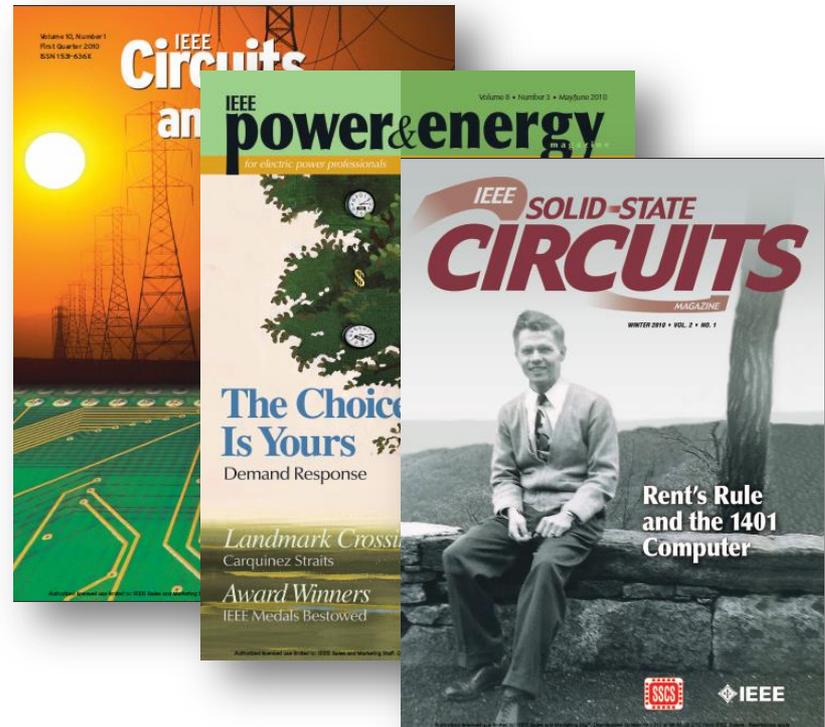
Journals

- Journals, Transactions, and Letters are the primary means for publishing technical papers concerning original work in IEEE fields of interest.
 - The primary purpose of Journals, Transactions, and Letters is to disclose and provide a permanent archival record of original technical work that advances the state of the art or provides novel insights.
 - Letters are for the publication of brief papers, usually three to four pages in length.



Magazines

- Magazines are characterized by regular and continuing issues with significant technical content in addition to general news and regular columns
 - IEEE Communications Magazine
 - IEEE Microwave Magazine
 - IEEE Signal Processing Magazine
 - IEEE Instrumentation & Measurement Magazine



IEEE *Publication Recommender*TM

IEEE *Publication Recommender*TM

Find the best match for your scholarly article

- Search 170+ periodicals and 1500+ conferences
- Compare critical points such as Impact Factor and Submission-To-Publication Time
- Get all the key data about IEEE publications at a glance
- Download the results of your search



Choose a search type and let Publication Recommender do the work!

- Both Periodicals and Conferences
- Periodicals only
- Conferences only

Enter keywords, key phrases, or article title

Extract keywords from your article

Enter your abstract here or upload your article file (PDF, DOC, DOCX, TEX).

+ ADD YOUR FILE

Narrow by date:
(Optional)

I would like to publish before:

Get Recommendation

Or, find details for a specific periodical or conference:

Enter the name of a periodical or conference

<http://publication-recommender.ieee.org/home>



▼ **Periodicals:** (166 results) Sort By:

Title	Open Access	Impact Factor	Submission to Publication Time in <i>Xplore</i>
Network and Service Management, IEEE Transactions on	Yes	Not yet available	29.7 Weeks
Wireless Communications, IEEE	No	5.417	Not yet available
Emerging Topics in Computing, IEEE Transactions on	Yes	Not yet available	31.4 Weeks
Dependable and Secure Computing, IEEE Transactions on	Yes	1.351	45.3 Weeks
Parallel and Distributed Systems, IEEE Transactions on	Yes	2.17	33.2 Weeks

▼ **Conferences:** (37 results) Sort By:

[SHOW MAP](#)

Title Location	Country	Abstract Submission Deadline	Conference Date
OCEANS 2018 MTS/IEEE Charleston Location: Charleston Convention Center, 5001 Coliseum Drive , Charleston, SC, USA	USA	28 Jun 2018	20-26 Oct 2018
2018 IEEE Rural Electric Power Conference (REPC) Location: Renaissance Hotel Oklahoma City Convention Center, Hotel and Spa, 10 N. Broadway, Oklahoma City, OK, USA	USA	15 Sep 2017	06-09 May 2018
2019 IEEE/MTT-S International Microwave Symposium - MTT 2019 Location: Boston Convention and Exhibition Center, Boston, MA, USA	USA	01 Dec 2018	02-07 Jun 2019

Finding Conference Calls for Papers

IEEE Conference Search Results

Search Conferences

electron devices

Select type & date range

Conference date
 Call for papers

From:
To:

Location (optional)

Select an IEEE region

Select a country/region

- Select a country/region
- Afghanistan
- Albania
- Algeria
- Andorra
- Angola
- Anguilla
- Antigua and Barbuda
- Argentina
- Armenia
- Aruba
- Australia**
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus
- Belgium

Your search returned 907 Conferences for electron devices

Conference Name ▲ ▼	Conference Date ▲ ▼	Location ▲ ▼
2021 IEEE International Electron Devices Meeting (IEDM) Abstract submission deadline: 01 Jun 2021 Final submission deadline: 01 Sep 2021 Notification of acceptance date: 01 Aug 2021	13 Dec - 15 Dec 2021	Hilton San Francisco Union Square San Francisco, CA, USA
2020 IEEE International Electron Devices Meeting (IEDM)	10 Dec - 18 Dec 2020	Hilton San Francisco San Francisco, CA, USA
2020 IEEE Symposium on VLSI Technology	16 Jun - 18 Jun 2020	TBD TBD, TBD,
2019 IEEE International Electron Devices Meeting (IEDM) Abstract submission deadline: 01 Jun 2019 Final submission deadline: 01 Sep 2019 Notification of acceptance date: 01 Aug 2019	09 Dec - 11 Dec 2019	Hilton San Francisco Union Square San Francisco, CA, USA
2018 IEEE International Electron Devices Meeting (IEDM)	29 Nov - 07 Dec 2018	Hilton San Francisco San Francisco, CA, USA
2018 IEEE Symposium on VLSI Technology	12 Jun - 14 Jun 2018	TBD TBD, TBD,
2018 IEEE 30th International Symposium on Power Semiconductor Devices and IC's (ISPSD) Abstract submission deadline: 31 Oct 2017 Full Paper Submission deadline: 31 Mar 2018	13 May - 17 May 2018	Palmer House Hilton 17 East Monroe Street Chicago, IL, USA

http://www.ieee.org/conferences_events/index.html

How does the review process work?

- Editor-in-Chief gets the paper after it goes through content match check (iAuthenticate) and “banned author” check
- If the paper is in scope for the journal, it is assigned to an editor (associate editor)
- Editor assigns the paper to five or more reviewers
- Reviewers send their comments back to the editor
- Editor makes a recommendation to the EIC as follows
 - Accept
 - Revise & Resubmit
 - Reject
- The EIC makes the final decision and informs the corresponding author

Why IEEE editors and reviewers reject papers

- The content is not a good fit for the publication
- There are serious scientific flaws:
 - Inconclusive results or incorrect interpretation
 - Fraudulent research
- It is poorly written
- It does not address a big enough problem or advance the scientific field
- The work was previously published
- The quality is not good enough for the journal
- Reviewers have misunderstood the article

Ethical publishing

Plagiarism

- Avoid plagiarism
 - Cite and separate any verbatim copied material – **but how much?**
 - Paraphrase other's text properly, and include citation
 - Credit any ideas from other sources
 - Familiarize yourself with IEEE Policies



Refer to our Tips Sheet
http://www.ieee.org/publications_standards/publications/authors/plagiarism_and_multiple_submissions.pdf

Crosscheck!

<https://crosscheck.ieee.org/crosscheck/>

Ethical publishing

Duplication, Redundancies & Multiple Submissions

- Author must submit original work that:
 - Has not appeared elsewhere for publication
 - Is not under review for another refereed publication
 - Cites previous work
 - Indicates how it differs from the previously published work
 - Authors MUST also **inform the editor** when submitting any previously published work



Refer to our Tips Sheet
http://www.ieee.org/publications_standards/publications/authors/plagiarism_and_multiple_submissions.pdf

Throughout the process...Refer here early and often – IEEE Author Digital Tools

Author Digital Tools

- IEEE Publications Menu
 - Publications Home
 - Publications News
 - Publication Types
 - Publishing Tools & Services
 - Reprints, Rights & Permissions
 - Advertising in IEEE Publications
 - Publications Board
 - Author Resources
 - Contact IEEE Publishing
 - Author FAQs

IEEE Author DIGITAL TOOLS

Below are information and tools to assist with all stages of publishing with IEEE.

On this page:

- Preparing your article
- Preparing your graphics and multimedia materials
- Guidelines for article submission
- Post-acceptance procedures
- Post-publication procedures
- Frequently asked questions

Preparing your article

- [IEEE Publishing Policy](#) (PDF, 46 KB)
Important information for authors interested in publishing in IEEE Transactions, Journals, and Letters.
- [Register for an ORCID](#)
Register for the persistent digital identifier that distinguishes you from every other researcher.
- [Overleaf Collaborative Authoring](#)
IEEE has partnered with Overleaf to allow authors to collaborate, write articles, and share files.
- [IEEE Style Manual](#) (PDF, 574 KB)
Editorial guidelines for IEEE Transactions, Journals, and Letters.
- [Keywords Suggested for Authors](#) (PDF, 326 KB)
Authors are encouraged to select keywords from this list. It comprises the first three hierarchical levels under each term family (or group) that is formed from the top-most terms of the IEEE Thesaurus. If you cannot find appropriate terms, you may add your own.
- [Article Templates](#)
Includes templates and instructions on how to prepare your papers for publication in IEEE Transactions and Journals.

Authorship

- Learn the benefits of publishing with IEEE
- View authorship workshop video for writing technical papers
- IEEE Publication Recommender

IEEE Open Access

IEEE Open Access delivers articles free of charge to readers worldwide.

- Learn about IEEE Open Access

More Useful Links

Article Templates

- Find appropriate templates for the publication you intend to publish in

Author Copyright Help

- IEEE Rights & Permissions Department
- Download IEEE Copyright Form (PDF, 108 KB)

Contact IEEE Transactions, Journals and Letters

For general inquires or to request further information, email trans@ieee.org

For inquiries specific to graphics, email graphics@ieee.org

http://www.ieee.org/publications_standards/publications/authors_journals.html

Author Tool: Article Templates

> REPLACE THIS LINE WITH YOUR PAPER IDENTIFICATION NUMBER (DOUBLE-CLICK HERE TO EDIT) < 1

Preparation of Papers for IEEE TRANSACTIONS and JOURNALS (December 2013)

First A. Author, *Fellow, IEEE*, Second B. Author, and Third C. Author, Jr., *Member, IEEE*

Abstract—These instructions give you guidelines for preparing papers for IEEE Transactions and Journals. Use this document as a template if you are using Microsoft Word 6.0 or later. Otherwise, use this document as an instruction set. The electronic file of your paper will be formatted further at IEEE. Paper titles should be written in uppercase and lowercase letters, not all uppercase. Avoid writing long formulas with subscripts in the title; short formulas that identify the elements are fine (e.g., "Nd-Fe-B"). Do not write "(Invited)" in the title. Full names of authors are preferred in the author field, but are not required. Put a space between authors' initials. Define all symbols used in the abstract. Do not cite references in the abstract. Do not delete the blank line immediately above the abstract; it sets the footnote at the bottom of this column.

Index Terms—Enter key words or phrases in alphabetical order, separated by commas. For a list of suggested keywords, send a blank e-mail to keywords@ieee.org or visit http://www.ieee.org/organizations/pubs/ami_prod/keyword98.txt

I. INTRODUCTION

THIS document is a template for Microsoft Word versions 6.0 or later. If you are reading a paper or PDF version of this document, please download the electronic file, TRANS-JOUR.DOC, from the IEEE Web site at <http://www.ieee.org/web/publications/authors/transjnl/index.html>.³⁰ You can use it to prepare your manuscript. If you would prefer to use LATEX, download IEEE's LATEX style and sample files from the same Web page. Use these LATEX files for formatting, but please follow the instructions in TRANS-JOUR.DOC or TRANS-JOUR.PDF.

If your paper is intended for a conference, please contact your conference editor concerning acceptable word processor formats for your particular conference.

This paragraph of the first footnote will contain the date on which you submitted your paper for review. It will also contain support information, including sponsor and financial support acknowledgment. For example, "This work was supported in part by the U.S. Department of Commerce under Grant BS1234567."

The next few paragraphs should contain the authors' current affiliations, including current address and e-mail. For example, F. A. Author is with the National Institute of Standards and Technology, Boulder, CO 80505 USA (e-mail: author@boulder.nist.gov).

S. B. Author, Jr. was with Rice University, Houston, TX 77005 USA. He is now with the Department of Physics, Colorado State University, Fort Collins, CO 80523 USA (e-mail: author@lamar.colostate.edu).

T. C. Author is with the Electrical Engineering Department, University of Colorado, Boulder, CO 80509 USA, on leave from the National Research Institute for Metals, Tsukuba, Japan (e-mail: author@nim.go.jp).

II. GUIDELINES FOR MANUSCRIPT PREPARATION

When you open TRANS-JOUR.DOC, select "Page Layout" from the "View" menu in the menu bar (View | Page Layout), (these instructions assume MS 6.0. Some versions may have alternate ways to access the same functionalities noted here). Then, type over sections of TRANS-JOUR.DOC or cut and paste from another document and use markup styles. The pull-down style menu is at the left of the Formatting Toolbar at the top of your Word window (for example, the style at this point in the document is "Text"). Highlight a section that you want to designate with a certain style, then select the appropriate name on the style menu. The style will adjust your fonts and line spacing. Do not change the font sizes or line spacing to squeeze more text into a limited number of pages. Use italics for emphasis; do not underline.

To insert images in Word, position the cursor at the insertion point and either use Insert | Picture | From File or copy the image to the Windows clipboard and then Edit | Paste Special | Picture (with "float over text" unchecked).

IEEE will do the final formatting of your paper. If your paper is intended for a conference, please observe the conference page limits.

A. Abbreviations and Acronyms

Define abbreviations and acronyms the first time they are used in the text, even after they have already been defined in the abstract. Abbreviations such as IEEE, SI, ac, and dc do not have to be defined. Abbreviations that incorporate periods should not have spaces: write "C.N.R.S.," not "C. N. R. S.," Do not use abbreviations in the title unless they are unavoidable (for example, "IEEE" in the title of this article).

B. Other Recommendations

Use one space after periods and colons. Hyphenate complex modifiers: "zero-field-cooled magnetization." Avoid dangling participles, such as, "Using (1), the potential was calculated." [It is not clear who or what used (1).] Write instead, "The potential was calculated by using (1)," or "Using (1), we calculated the potential."

Use a zero before decimal points: "0.25," not ".25." Use "cm²," not "cc." Indicate sample dimensions as "0.1 cm × 0.2 cm," not "0.1 × 0.2 cm²." The abbreviation for "seconds" is "s," not "sec." Use "W/m²" or "watts per square meter," not "watts/m²." When expressing a range of values, write "7 to 9" or "7-9," not "7-9."



Author Tool: PDF Checker

IEEE PDF Checker

Upload File

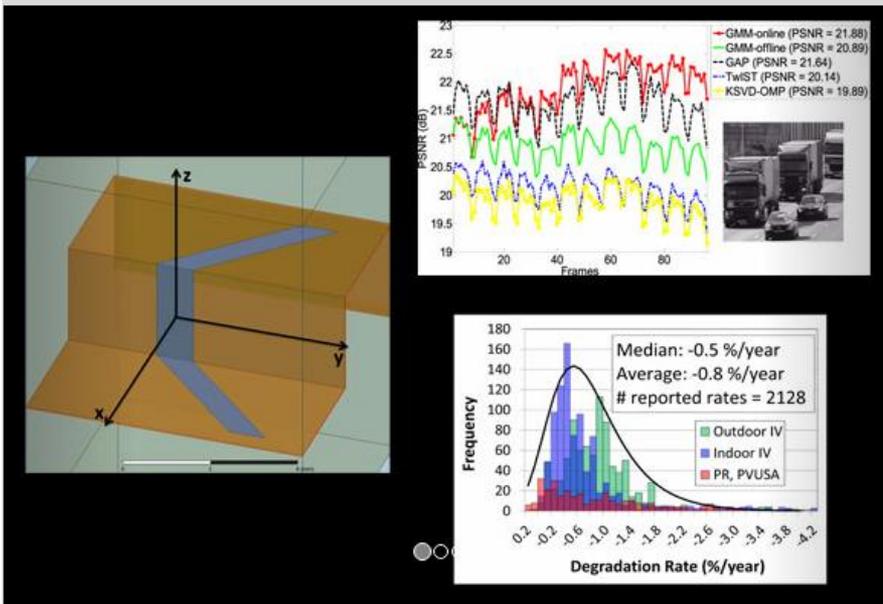
Paper Title:

IEEE Publication Title: Aerospace & Electronics Systems Magazine, IEEE ▼

File:

http://www.ieee.org/publications_standards/publications/authors/pdf_checker.html

Author Tool: Graphics Analyzer



HOW THE IEEE GRAPHICS ANALYZER WORKS

STEP 1



Select and upload



STEP 2



Wait for report



STEP 3



Get notified

ANALYZE YOUR GRAPHICS FILES

Speed up your scholarly publishing process by checking your graphics files prior to submission. [Learn more.](#)

<http://graphicsqc.ieee.org/>

Use AuthorLab in IEEE Collabratec for additional support and help



IEEE AuthorLab

Hide D

The IEEE AuthorLab welcomes all IEEE authors and potential authors to this forum on publishing in IEEE periodicals. Participate in discussions about publishing, and ask questions of other community members, or IEEE publication staff.

Community provided by :
IEEE Publications

Participants 4336



All Participants

June 2016

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	

Post Question File

Post to your Community (max 4000 characters)

4000 characters remaining

Promote This Post (Manage)

Post

Activities Files Q & A Events Participants

263 Post(s) in Community





Tiffany Mckerahan posted a day ago

Don't miss IEEE's author education event at the 2016 IEEE International Geoscience and Remote Sensing Symposium (IGARSS) conference in Beijing next month! Check out ieee.org/publications_s.. for other author education events.

Quality Publishing -from idea to patent

Prior Art Searching!



Are university researchers at risk for patent infringement?

- “Academic researchers have regularly ignored patents on key technologies as a strategy to maneuver around patent thickets and freedom-to-operate issues, but they may be more at risk than they realize.”
- “An earlier report to the National Academy of Sciences suggests ...**regular infringement of patents by university researchers**, which is neither a sustainable nor a desirable solution.”
 - Amy Yancey & C Neal Stewart Jr. **Are university researchers at risk for patent infringement?** Nature Biotechnology 25, 1225 - 1228 (2007)

InnovationQ PLUS

POWERED BY IEEE AND IP.COM

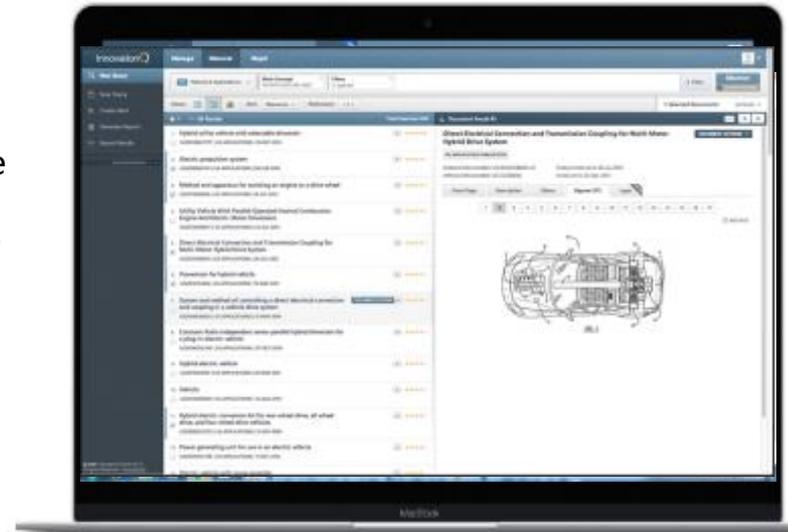
IEEE full text publications **+** **IP.com global patent database** **=** **Unique value**

InnovationQ Plus indexes IEEE full text publications alongside one of the largest global patent literature databases in the industry. Content includes:

- Global patent literature database of over 92+ million patents & applications
- Over 4.1 million documents from IEEE journals, conferences & standards
- IP.com' s proprietary Prior Art Database
- Other non-patent literature including PubMed Central & IBM Redbooks
- Invention disclosures of licensable technology from universities

Innovative Features

- **Patented Semantic search platform**
 - Patented IQ+ search engine allows users to find valuable content that is buried in complex patent and technical documents, allowing IP professionals to more effectively analyze prior art and increase productivity.
- **Visualizations for Competitive Intelligence and Landscaping**
- **Visualize concepts with the Map tool**
 - A visual representation of critical documents based on concepts and meaning extracted from content. Easily identify whitespace and quickly highlight documents by specified organizations.
- **More features to streamline your workflow**
 - Filters, collaboration tools, save results, export



Prior Art Searching: The Old Way

- Understand the patent application
- Identify key concepts of the invention
- Identify databases to search
- Create sets of synonyms
- Develop a search strategy
- Perform an author/inventor search
- Save your search history



What if You Could Turn This...

Query:

```
ALL=(surgical OR curve OR segment) AND  
suture AND  
(((intervertebral OR cutting OR member OR  
arcuate OR guide)  
NEAR5 (bone OR seal)) SAME (tissure OR  
jaw*)) AND (Instrument OR  
cannula*1) AND DP>=(19930101) AND  
IC=(H01L 39/02 OR H01L  
39/12 OR H01F 38/14)
```

Into This?

Query:

A surgical cannula with curved segments used to guide a medical instrument through a curved or bowed path

Discover Unreturned Results Through InnovationQ Plus

Boolean:

Autonomous vehicle

Concept Search:

Autonomous vehicle

Car

Automobile

Driver

Truck

Robot

GPS

Transport

Satellite

Navigation

Network

Locomotive

Fuel

Transport

Route

Passenger

Brake

Engine

Accelerator

Van

Pilot

Self driving

Wheels

Tram

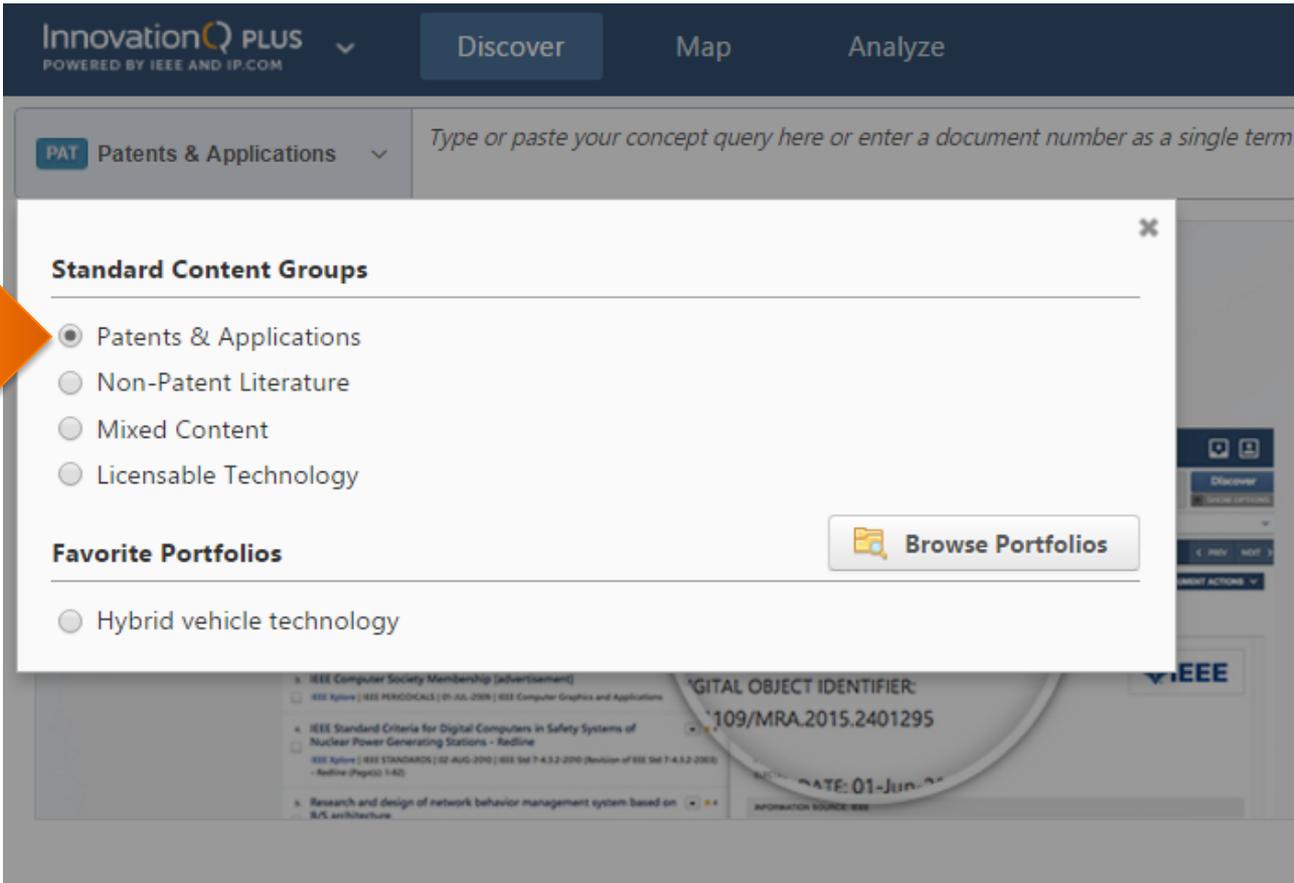
Train

Bus

Taxi

Discover: Content Groups

Search Patents & Applications, Non-Patent Literature, Mixed Content or Licensable Technology



The screenshot shows the 'Discover' section of the InnovationQ PLUS interface. The top navigation bar includes 'Discover', 'Map', and 'Analyze'. Below the navigation bar, there is a search input field with the placeholder text 'Type or paste your concept query here or enter a document number as a single term'. A dropdown menu is open, showing 'Standard Content Groups' and 'Favorite Portfolios'. An orange arrow points to the 'Patents & Applications' option in the 'Standard Content Groups' list.

InnovationQ PLUS
POWERED BY IEEE AND IP.COM

Discover Map Analyze

PAT Patents & Applications

Type or paste your concept query here or enter a document number as a single term

Standard Content Groups

- Patents & Applications
- Non-Patent Literature
- Mixed Content
- Licensable Technology

Favorite Portfolios

- Hybrid vehicle technology

Browse Portfolios

Discover: Results Split View

Innovation PLUS POWERED BY IEEE AND IP.COM

Discover Map Analyze

NPL Non-Patent Literature

Main Concept Text
A surgical cannula with curved se... + 1 modifier

+ Filter Discover
SHOW OPTIONS

Actions: Query Results Sort: Relevance Cut-off: ★ 3 0 Selected Documents

1 - 50 645 results

Document Result #1

A robotic device for minimally invasive breast interventions with real-time MRI guidance

Overview Citations Text Notes

IEEE CONFERENCE PAPER IEEE XPLORE

ISBN: 0-7695-1907-5 PUBLICATION DATE: 01-Jan-2003
DIGITAL OBJECT IDENTIFIER: 10.1109/BIBE.2003.1188946

INFORMATION SOURCE: IEEE

Published in: Third IEEE Symposium on Bioinformatics and Bioengineering, 2003. Proceedings. (Page(s): 190-197)

Authors:
B.T. Larson • N.V. Tsekos • A.G. Erdman [+details]

Affiliations:
Dept. of Mech. Eng., Univ. of Minnesota, Minneapolis, MN, USA

Abstract :

- A robotic device for minimally invasive breast interventions with real-time MRI guidance
IEEE Xplore | IEEE CONFERENCES | 01-JAN-2003 | Third IEEE Symposium on Bioinformatics and Bioengineering, 2003. Proceedings. (Page(s): 190-197)
- Ultrasound Guided Robotic System for Transperineal Biopsy of the Prostate
IEEE Xplore | IEEE CONFERENCES | 01-JAN-2005 | Proceedings of the 2005 IEEE International Conference on Robotics and Automation (Page(s): 1315-1320)
- Robotic system for hybrid diagnosis of prostate cancer: Design and experimentation
IEEE Xplore | IEEE CONFERENCES | 01-MAY-2011 | 2011 IEEE International Conference on Robotics and Automation (Page(s): 6276-6281)
- Complex optical method of cancer detection and visualization
IEEE Xplore | IEEE CONFERENCES | 01-MAY-2015 | 2015 International Conference on BioPhotonics (BioPhotonics) (Page(s): 1-4)
- Optical coherence tomography imaging for cancer diagnosis and therapy guidance

Add Concept Modifiers

Add terms and phrases to your concept and refine result set with "More Like This" and "Less Like This"

The screenshot shows the Innovation PLUS interface with a search results page. The top navigation bar includes 'Discover', 'Map', and 'Analyze'. A dropdown menu is open over the third result, showing options: 'Modify Query', 'Replace Main Concept', 'More Like This', 'Less Like This', 'Document', 'Preview', 'Add to Portfolio', and 'Select'. A red arrow points to the 'More Like This' option. Another red arrow points to the third result title: 'Adaptive multi-modal integrated biometric identification detection and surveillance systems'. The results list includes:

- 1. Apparatus and method for iris image analysis
An apparatus including circuitry configured to receive a plurality of images and extract at least one iris image from each of the plurality of images...
CURRENT ASSIGNEES: KING FAHD UNIV PETROL & MINERALS
US9189686 | US PATENTS | 17-NOV-2015
- 2. System and method for sensor adaptation in iris biometrics
The sensor adaptation technique applicable to non-contact biometric authentication, specifically in iris recognition, is designed to handle the situation...
CURRENT ASSIGNEES: UNIV MARYLAND BALTIMORE
US9530052 | US PATENTS | 27-DEC-2016
- 3. Adaptive multi-modal integrated biometric identification detection and surveillance systems
A surveillance system is provided that includes at least one sensor disposed in a security area of a surveillance region to sense an occurrence of a potential security breach event; a plurality of cameras is disposed in the surveillance region; at least one camera of the plurality has a view of the...
CURRENT ASSIGNEES: PROXIMA CORP
US7956890 | US PATENTS | 07-JUN-2011
- 5. Guidable cutting instrument
This disclosure is directed to minimally-invasive access devices... The access device includes a guide frame

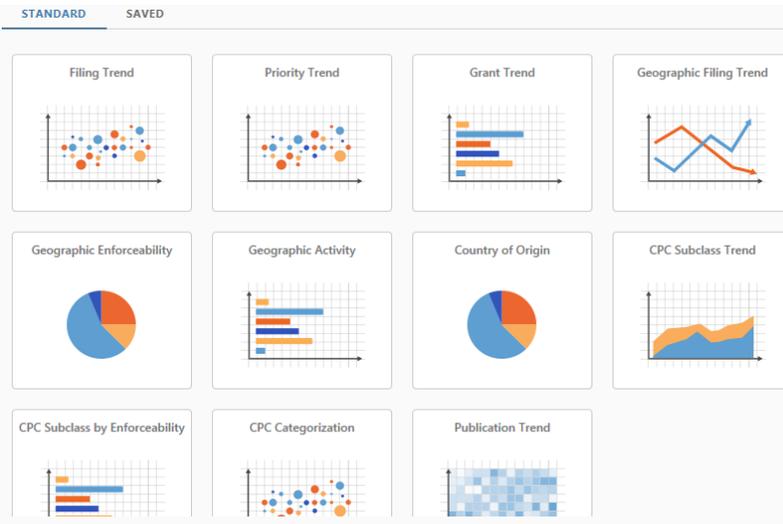
Build a Patent Portfolio

Technical Intelligence:

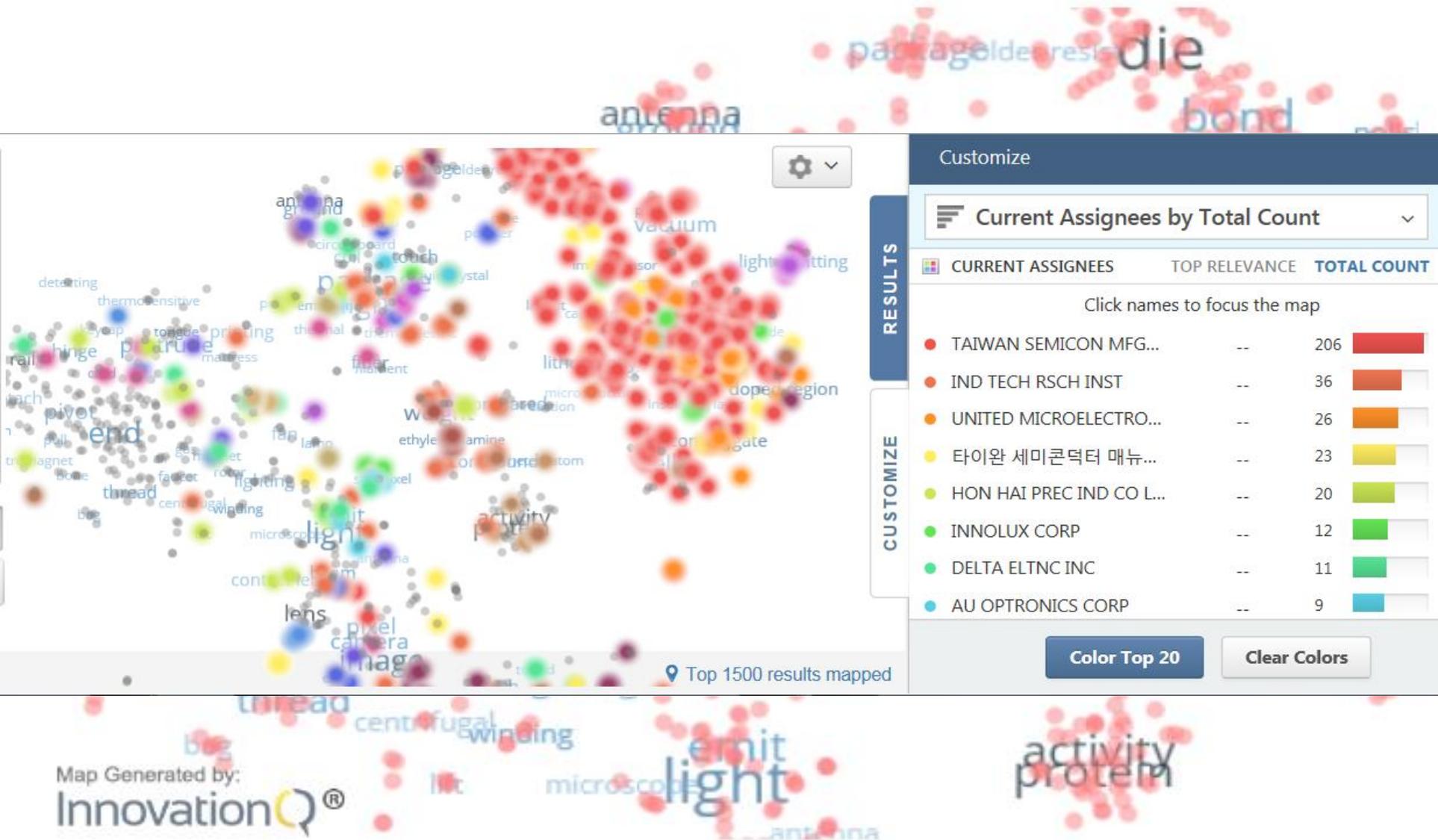
1. Knowledge of the “art” (subject matter)
2. Prior Art searching
3. Technology trends
4. Technology applications (old, current and future)

Competitive Intelligence:

1. Who (organizations) are in this tech space? (assignee/applicant)
2. Who (people) are the professionals? (author/inventor)
3. Who are they collaborating with?
4. What are they doing?
5. How are they doing it? (patent claims)
6. How can I track these alliances or competitors? (search alerts)
7. Where are they interested in doing business?



Discover What You Don't Know



InnovationQ PLUS

POWERED BY IEEE AND IP.COM



The screenshot shows the homepage of InnovationQ PLUS. At the top, there is a navigation bar with links to IEEE.org, IEEE Xplore Digital Library, IEEE Standards, IEEE Spectrum, and More Sites. The IEEE logo is in the top right corner. Below the navigation bar, the InnovationQ PLUS logo and tagline "POWERED BY IEEE AND IP.COM" are on the left. To the right are links for "Who We Are", "Our Solution", "Why InnovationQ Plus?", "Resources", and "Login". A prominent yellow button labeled "REQUEST A DEMO" is also present. The main content area features a large image of a person in a suit pointing at a tablet, overlaid with a network diagram. The text "MEET THE FUTURE OF PATENT INTELLIGENCE AND DISCOVERY" is centered over this image.

**For more information:
innovationqplus.ieee.org**



Career development with IEEE



IEEE Membership Grade

- Student Member
- Associate Member/Member
- Senior Member
 - [Senior Member Grade](#)
- Fellow
 - [Fellow Program](#)
- Life Member/Fellow

http://www.ieee.org/membership_services/membership/join/emember.html



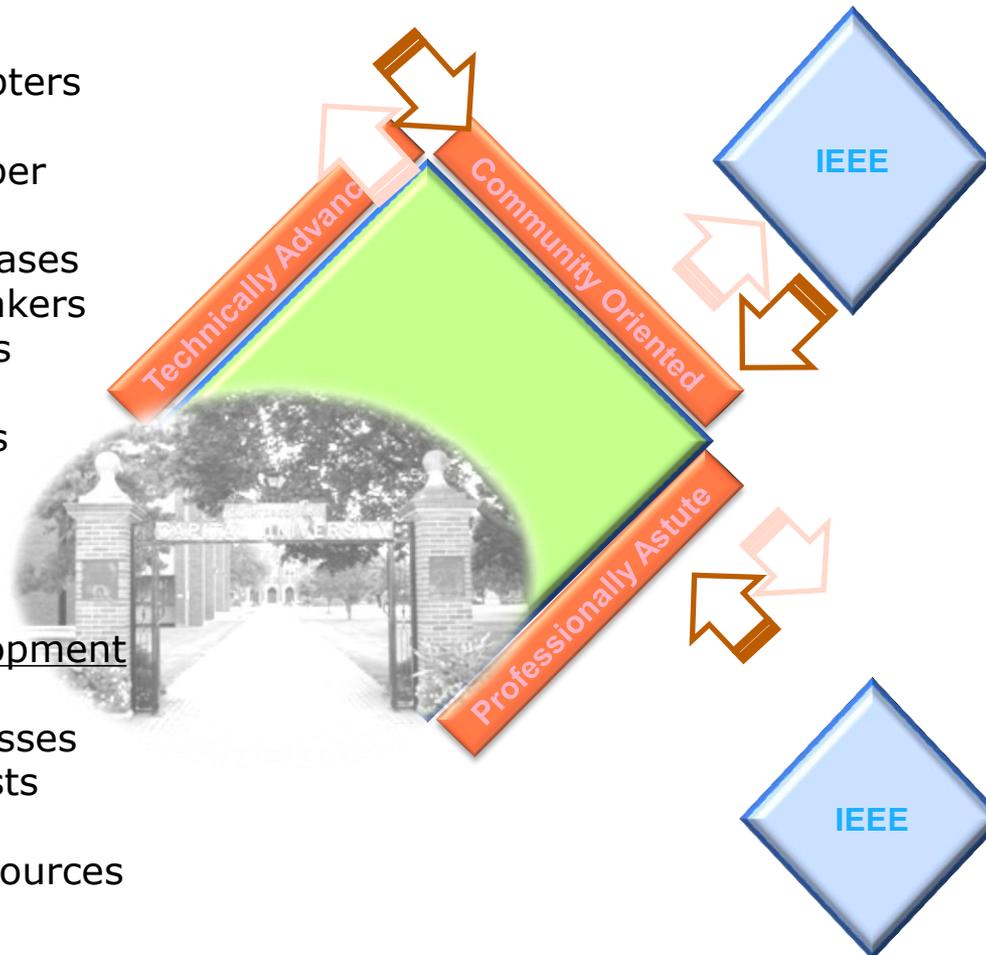
IEEE Student Portfolio

Technical Programs & Opportunities

- Technical Chapters
- IEEEXtreme
- Robotics & Paper Contests
- Project Showcases
- Technical Speakers
- IEEE Potentials
- Discounts
- Student Tracks

Volunteer Development

- Student Congresses
- Training Webcasts
- Student Branch Development Resources



Public Programs & Opportunities

- Humanitarian Initiatives
- President's Change the World Competition
- Awards & Recognition

Career Programs & Opportunities

- IEEE ResumeLab
- Soft-skill Seminars
- Professional Awareness Events
- Engineers Week
- Networking events
- Ethics Competitions

 **IEEE**
ResumeLab

IEEE ResumeLab is an online service that allows IEEE members to develop a resume or curriculum vitae using specialized tools tailored for each step of the job seeking process.

 **RESUMES**
 [Create New Resume](#)
Manage Your Resumes **LETTERS**
 [Create New Letter](#)
Manage Your Letters **PORTFOLIOS**
 [Create New Portfolio](#)
Manage Your Portfolios **ASSESSMENTS**
 [Create New Assessment](#)
Manage Your Assessments **INTERVIEWS**
 [Create New Interview](#)
Manage Your Interviews **VIDEO RESUMES**
 [Create Video Resume](#)
Manage Your Video Resumes

www.ieee.org/resumelab

IEEE JobSite

Are You An Employer?
If you're looking to post a job, go to our employer website. (Thanks, but I'm searching for a job!)

Don't display this message again x

CAREERS at the NATIONAL SECURITY AGENCY
NEW! COMPETITIVE STEM SALARIES
NSA
www.NSA.gov/Careers
APPLY TODAY

For Employers

- Sign-in >
- Post Jobs >

[IEEE.org](#) | [IEEE Xplore Digital Library](#) | [IEEE Standards](#) | [IEEE Spectrum](#) | [More Sites](#)

[IEEE.org](#) | [IEEE Xplore Digital Library](#) | [IEEE Standards](#) | [IEEE Spectrum](#) | [More Sites](#)

IEEE JobSite
The Right Candidate - Right Now!



- [Home](#)
- [Post Resume](#)
- [Career News](#)
- [Job Seeker Tools](#)
- [Career Events](#)
- [Member Sign-In](#)

Welcome, **Ilia!** [\[Sign Out, My Account\]](#)

[Help](#)

- [Manage Account](#)
- [Search Jobs](#)
- [My Jobs](#)
- [Resumes and Cover Letters](#)
- [Research](#)

My Job Center

My Saved Jobs

[See All Saved Jobs](#)

You currently do not have any saved Jobs. Save a job from listing details pages by selecting the Save button.

My Resumes

The highlighted resumes have not been modified in over 90 days.

[Create New Resumes](#)

%	Title	Post Date	Views	Applied	Privacy	Actions
●	Testing upload	03/14/2014	0	0	Public	Actions
●	Test Resume	03/14/2014	0	0	Private	Actions
●	Test - Engineering	03/14/2014	0	0	Private	Actions
●	Test	03/14/2014	0	0	Private	Actions
●	Test	03/14/2014	0	0	Private	Actions
●	another test resume	03/03/2014	0	0	Private	Actions

My Saved Alerts

[See All Saved Alerts](#)

Quick Search:

Enter Keyword(s):

Enter Location:

[FIND JOBS](#)

- > [Advanced Search](#)
- > [Browse All Categories](#)

ADVERTISEMENTS

Stay connected with industry career news!



Read career news gathered by the editors of IEEE Spectrum.

[SUBSCRIBE >](#)



CLICK BELOW TO VIEW



Member Sign-In

ADVERTISEMENT

Stay connected with career news!

Subscribe to receive the bi-weekly IEEE Job Site Career Alert.

[SUBSCRIBE >](#)



General Dynamics C4 Systems

[View Company Profile](#)

rus Logic

[View Company Profile](#)

tris Corporation

[View Company Profile](#)

[View All](#)



IEEE Standard Education- Connect with Industry Leaders

Standards Education

- ♦ **Standards Education Menu**
 - Standards Education Home
 - + Purpose of Standards Education
 - Standards in the Classroom
 - + Tutorials
 - Case Studies
 - + Student Application Papers
 - Standards Reference Directory
 - Glossary
 - Announcements
 - Additional Resources

As the world's leading standards developer, IEEE is also a leading source of information and resources on standards, their applications, and their impact on designing new products, processes, and services.

On this Page:

- ▶ [Commitment to standards education](#)
- ▶ [Resources](#)

♦ Commitment to standards education



IEEE is committed to:

- promoting the importance of standards in meeting technical, economic, environmental, and societal challenges;
- disseminating learning materials on the application of standards in the design and development aspects of educational programs;
- actively promoting the integration of standards into academic programs;
- providing short courses about standards needed in the design and development phases of professional practice.

[↑ top of page](#)

♦ Resources

“If you control an industry’ s standards, you control it lock, stock and ledger.”

“Standardization programs offer one of the best, most important means to evaluate current technology and provide a glimpse of where future technology innovations may occur.

The Strategic Value of Standards Education

A Global Survey conducted by the Center for Global Standards Analysis



IEEE Collaboratec-Online Community

Home



Communities

People



IEEE Young Professionals

IEEE Young Professionals is a global community of enthusiastic, dynamic, and innovative members and volunteers, who are passionate about the development and advancement of new technologies. Our products, services, programs, and initiatives aim to address the needs of early-career professionals pursuing technology-related careers in engineering, business, management, marketing, and law. IEEE is committed to helping young professionals evaluate their career goals, polish their professional image, and create the building blocks of a lifelong and diverse professional network. Participate in discussions, post links, watch videos, participate in polls and more by accessing this community on G+. Simply attach your Google+

[Learn More](#)



1060 participants



Women in Leadership

This community supports and advances the leadership aspirations of women engineers and scientists, in conjunction with an annual conference. Participate in discussions, post links, watch videos, participate in polls and more by accessing this community on G+. Simply attach your Google+ account and select the "Access now" or "Request invitation" button.

[Learn More](#)



301 participants

[Less](#)

Scholarships, Grants, and Fellowships

http://www.ieee.org/membership_services/membership/students/awards/sag.html

◆ Scholarships, grants, and fellowships

IEEE Charles LeGeyt Fortescue Fellowship: This scholarship is worth approximately US\$24,000 and is awarded to a first-year master's degree in Electrical Engineering at an engineering school located in the United States.

IEEE Computational Intelligence Society Conference: This society awards a number of travel grants to assist IEEE Student members in attending (Neural Networks Society) sponsored conferences.

IEEE Computational Intelligence Society Summer Scholarships: These are scholarships of US\$1,000 to US\$4,000 for deserving graduate students in support for their research during a summer period.

IEEE Computer Society Merwin Scholarship: This society awards to active leaders in the IEEE Computer Society Student Branches. These scholarships are available and awarded on an annual basis.

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

IEEE Electron Devices Society Graduate Student Fellowship: This fellowship recognizes, and supports graduate-level study and research in the field of electron devices. A fellowship is awarded to students in each of the main geographic regions: Europe/Mid-East/Africa, Asia/Pacific.

IEEE James C. Klouda Memorial Scholarship Award: This award honors a Memorial Scholarship awards a scholarship to a qualified student who has earned an electrical engineering degree with emphasis in the field of power electronics 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 Masters Student Fellowship: This one-year fellowship is awarded to promote, recognize, and support graduate masters-level study and research within the Electron Devices Society's field of interest. The prize is US\$2,000 and a plaque to the student, to be presented by the dean or department head of the student's enrolled graduate program.

IEEE Microwave Theory and Techniques Society Graduate Fellowships: This program was created to support graduate research studies in microwave engineering. Fellowships are in the amount of US\$5,000 each, and the deadline for submission is 30 November annually.

IEEE Nuclear and Plasma Sciences Society Graduate Scholarship Award: This scholarship recognizes contributions to the fields of nuclear and plasma sciences. Scholarships are in the amount of US\$500 and are awarded annually, with submission deadline on 31 January.

IEEE Photonics Society Graduate Student Fellowship Program: This fellowship program provides ten fellowships of US\$5,000 each. They will be awarded based on the student membership in each of the main geographic regions: Americas, Europe/Mid-East/Africa, Asia/Pacific.

IEEE Power and Energy Society Scholarship Program: This program is being offered for the second year with scholarships to students. The prize is US\$2,000 and a plaque to the student, to be presented by the Dean or Department head of the student's enrolled graduate program.

Student Travel grants

IEEE Student Travel Grants

◆ IEEE Students Student Program Highlights

IEEE is pleased to offer a number of Student Travel Grants to assist Student Members in attending conferences and presenting papers. Additional student grant opportunities may be found by visiting an [IEEE Conference Web site\(s\)](#) matching your technical interest.

lent
ident
e(s)

+ Student Competitions

Student Scholarships

+ IEEE Potentials Magazine

+ Student Member Benefits

Find IEEE Student Branches by Region

+ Student Volunteer Resources

◆ IEEE Societies Offering Grants



Below are some of the grants offered by IEEE Societies that are designated for Student Members only. To apply, you will need to follow the appropriate link to obtain eligibility and applications.

- › IEEE Circuits and Systems Society
- › IEEE Computational Intelligence Society
- › IEEE Communications Society
- › IEEE Engineering in Medicine and Biology Society
- › IEEE Industry Applications Society
- › IEEE Information Theory Society
- › IEEE Instrumentation & Measurement Society
- › IEEE Microwave Theory and Techniques Society
- › IEEE Nuclear and Plasma Sciences Society
- › IEEE Power Electronics Society
- › IEEE Signal Processing Society
- › IEEE Solid-State Circuits Society

IEEE Xtreme Competition



IEEE Xtreme is a global challenge in which teams of IEEE Student members compete in a 24-hour time span against each other to solve a set of programming problems.

Grand Prize:

All expense-paid trip to an IEEE conference of choice, anywhere around the world!

www.ieee.org/xtreme





24 October 2015
0:00:00 GMT – 23:59:59 GMT

Place	Country	Team Name
1		Iceland viRUs
2		USA WhySoConcrete
3		Sri Lanka oops



IEEE.tv ANNOUNCEMENT: <http://goo.gl/Du8993>

2014 Competition Stats

- 2,288 teams registered
 - 5,900 students; 600 proctors; 100 volunteers/staff
- 63 countries and 480 universities represented
- More than 320,000 solutions submitted
- Expanded committee includes Public Relations Ambassadors

Business and Leadership Model

- Adopted new business model towards cost containment
- Provided digital gift bundle to all participants and tangible prize bundle to top 100 teams
- Planning move from ad-hoc to standing sub-committee of SAC and adoption of proven infrastructure to ensure future success

Special Thanks to the IEEEXtreme 8.0 Sponsors
IEEE Foundation, IEEE Computer Society, IEEE.tv



Student Branch Activities

The IEEE Student Branch is an operating organizational unit of IEEE at the college/university level constituted by a minimum of twelve (12) IEEE student members

- Goal: Engage students in the mission, benefits, and opportunities of the IEEE
- Sponsors activities and events with technical, professional, and humanitarian aspirations
 - Guest speakers
 - Paper contests
 - Local community initiatives
- Fun, too!
 - Social events to bring together students with faculty
 - PI Day



IEEE Student Branches in Taiwan

Taipei Section	Chung Yuan Christian University
	Nat'L Taiwan Univ of Sci & Tech
	National Central Univ
	National Changhua University of Educatio
	National Chung Hsing University
	National Taipei University of Technology
	National Taiwan Univ
	National Tsing Hua University
	Natl Chiao Tung Univ
	Natl Sun Yat-Sen Univ
	Natl Taiwan Ocean Univ
Yuan-Ze Univ	
Tainan Section	Natl Cheng Kung Univ

<http://www.ieee.org/go/clientservices>
<http://www.ieee.org/training>

有問題請聯繫
李箐
li.q@ieee.org

