

IEEE研究指南：學術搜索、文獻調研、科研投稿及職涯發展

李箐

IEEE中國區資訊經理



Agenda: How does IEEE can help?

Idea
(No
Idea)

Course
work

Research

Publish
/Patent

Career
Dev

IEEE Intro





The **I**nstitute of **E**lectrical and **E**lectronics **E**ngineers



IEEE members are the technology leaders of today and tomorrow

IEEE Medal of Honor Recipients

2013

Irwin Jacobs
Co-Founder
Qualcomm Inc



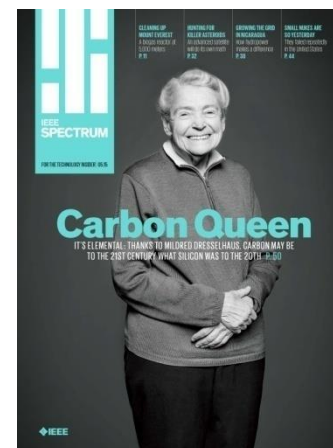
2014

B. Jayant Baliga
Transformed Power
Semiconductors



2015

Mildred Dresselhaus
Paved the way for the rise
of Nanotechnology



2016

G. David Forney, Jr.
Launched a Million Modems



Today's IEEE

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180
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39 IEEE Societies

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- IEEE Components, Packaging, and Manufacturing Technology Society
- IEEE Computer Graphics and Applications Society
- IEEE Computer Society
- IEEE Consumer Electronics Society
- IEEE Control Systems Society
- IEEE Dielectric and Electrical Insulation Society
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- IEEE Engineering in Medicine and Biology Society
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IEEE Covers All Areas of Technology

More than just electrical engineering & computer science

- Aerospace & Defense
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- Imaging
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- Petroleum & Gas
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- Semiconductors
- Smart Grid
- Wireless Broadband
and many more



How does IEEE Xplore can help?

**Idea
(No
Idea)**

**Course
work**

Research

**Publish
/Patent**

**Career
Dev**

- Knowledge of the field

- Technology trends
- Top researchers
- Top affiliations
- Top journals
- Top conferences

- Key papers

- Codes
- Datasets
- Multimedia
- ...

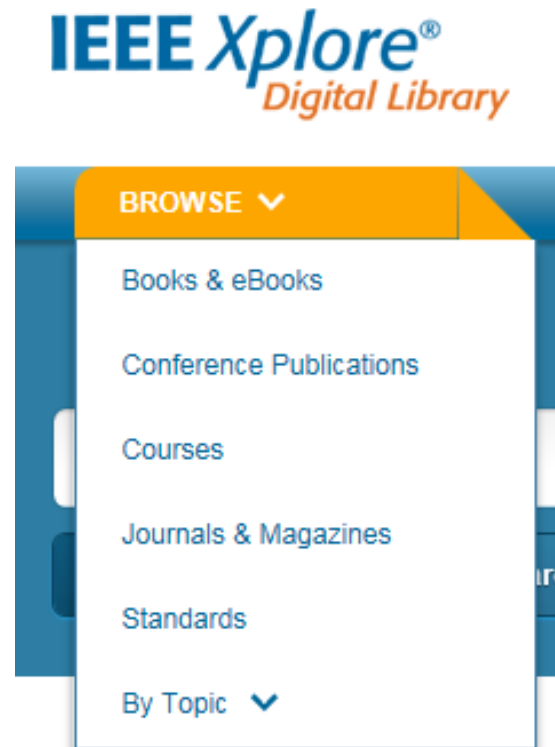
The importance of literature review

- **IEEE peer review criteria**

- **Content:** Content that is appropriate, in scope and level
- **Originality:** Clearly written original material that addresses a new and important problem
- **Extension Work:** Extension of previously published work
- **Validity:** Valid methods and rationale
- **Good Illustrations,** tables and graphs that support the text
- **References:** References that are current and relevant to the subject

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

- Over four million full text documents
- 180 **IEEE journals & magazines**
- 1700+ annual **IEEE conferences** + 43 **VDE conferences**
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- 20 **IET conferences**, 26 **IET journals & magazines**
- **Bell Labs Technical Journal (BLTJ)** back to 1922
- Backfile to 1988, select legacy data back to 1872
- Technical Books
- Educational Courses



Data Security In Cloud Computing



From IEEE Xplore: 8774 results

- **Transparency service model for data security in cloud computing**
- **Comparative study of different cryptographic algorithms for data security in cloud computing**
- **Ensuring data storage security in cloud computing based on hybrid encryption schemes**
- **.....**

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

Advanced Search Options

Advanced Keyword/Phrases

Command Search

Citation Search

Preferences

ENTER KEYWORDS, PHRASES, OR A BOOLEAN EXPRESSION

Note: Use the drop down lists to generate the correct Operator and Data Field Codes.

This wizard will NOT build your expression. [View examples of how to write a boolean search string](#)

Search : Metadata Only Full Text & Metadata ?

Data Fields

Operators

cloud computing AND data privacy

Reset All

SEARCH

SEARCH GUIDELINES

Operators need to be in all caps - i.e. AND/OR/NOT/NEAR.

Asterisk wildcards cannot be used within quotes or with the NEAR/ONEAR operators.

There is a maximum of 15 search terms.

ling Zhou

IEEE

Q

ons

IEEE

Start broad, narrow down

The screenshot shows a search results page for IEEE. The search query is "314 for cloud computing x data privacy x". The page displays a list of search filters and a search result. A dropdown menu is open over the search filters, showing a list of publication titles with checkboxes. The search result is for the paper "Lightweight cloud computing for development: A graph based data model" by Samson Akintoye et al., published in 2017. The page also includes a sidebar with a promotional message for Cloud Security eLearning courses and the IEEE logo at the bottom right.

Publication Title

- Cloud Computing, IEEE Transactions on (454)
- Cloud Computing, IEEE (439)
- Cloud Computing and Intelligent Systems (CCIS), 2012 IEEE 2nd International Conference on (327)
- Parallel and Distributed Systems, IEEE Transactions on (304)
- Services Computing, IEEE Transactions on (253)

View more...

View more...

314 for cloud computing x data privacy x

2,817) Journals & Magazines (408) Early Access Articles (77)

Courses (1)

Select All on Page Sort By: Relevance

Lightweight cloud computing for development: A graph based data model

Samson Akintoye; Antoine Bagula; Yacine Djemaiel; Nouredine Boudriga

2017 IST-Africa Week Conference (IST-Africa)

Year: 2017

Pages: 1 - 14

IEEE Conference Publications

► Abstract (435 Kb)

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Identify most cited papers

Displaying results 1-25 of 3,314 for **cloud computing** × **data privacy** ×

- Conference Publications (2,817)
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- Early Access Articles (77)
- Books & eBooks (11)
- Courses (1)

Year

Single Year | Range

2008 To 2017

From 2008 To 2017

Author

Affiliation

Publication Title

Select All on Page

Lightweight cloud computing for development model

Samson Akintoye; Antoine Bagula; Yacine Djermoul

2017 IST-Africa Week Conference (IST-Africa)

Year: 2017

Pages: 1 - 14

IEEE Conference Publications

Abstract PDF (435 Kb) ©

A Security Model for Preserving the Privacy of Medical Big Data in a Healthcare Cloud Using a Fog Computing Facility With Pairing-Based Cryptography

Hadeal Abdulaziz Al Hamid; Sk Md Mizanur Rahman; M. Shamim Hossain; Ahmad Almogren; Atif Alamri

IEEE Access

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- Newest First
- Oldest First
- Most Cited [By Papers]
- Most Cited [By Patents]
- Publication Title A-Z
- Publication Title Z-A

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Privacy-Preserving Public Auditing for Data Storage Security in Cloud Computing

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294 Paper Citations	2 Patent Citations	14366 Full Text Views
------------------------	-----------------------	--------------------------

4
Author(s) | [v Cong Wang](#) : [v Qian Wang](#) : [v Kui Ren](#) : [v Wenjing Lou](#) | [View All Authors](#)

Abstract | [Authors](#) | [Figures](#) | [References](#) | [Citations](#) | [Keywords](#) | [Metrics](#) | [Media](#)

Abstract:

Cloud Computing is the long dreamed vision of computing as a utility, where users can remotely store their data into the cloud so as to enjoy the on-demand high quality applications and services from a shared pool of configurable computing resources. By data outsourcing, users can be relieved from the burden of local data storage and maintenance. However, the fact that users no longer have physical possession of the possibly large size of outsourced data makes the data integrity protection in Cloud Computing a very challenging and potentially formidable task, especially for users with constrained

Related Articles

Technology challenges for building Internet-scale ubiquitous computing

Role-based access control for CORBA distributed object systems

Jini meets embedded control networking: a case study in portability failure

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Track references and citations

The screenshot displays a research article page with a 'Citation Map' overlay. The main page has tabs for 'Abstract', 'Authors', and 'Figures'. Below these are 'Citations' and 'References' sections. The 'Citation Map' window is active, showing a high-level visual representation of references and citing documents. It includes a 'Citation Map' icon, a description of the view, and two buttons: 'View All References' and 'View All Citations'. Below the description are two columns: 'References in this Article' and 'Citations to this Article'. The 'References in this Article' column lists five items, with the first one being 'Draft nist working definition of...'. The 'Citations to this Article' column lists five items, with the first one being 'A framework for secure...'. The main page also shows a list of references, with the first one being 'P. Varalakshmi, A.R. Shaj Kanimozhi, "A framework for secure cryptographic key management systems", *Advance Computing (ICoAC) 2014 Sri Lanka International Conference on Computer, Communications and Informatics*, pp. 319-323, 2014.

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](#)

References in this Article

- 1 Draft nist working definition of
- 2 Above the clouds: A berkeley view of
- 3 Amazon s3 availability
- 4 Appengine outage
- 5 Payment Processor Breach May Be

Citations to this Article

- 1 A framework for secure
- 2 SecCloud: Bridging Secure Storage and
- 3 PDDS - Improving cloud data storage
- 4 Secure Third Party Auditor for
- 5 Proofs of Ownership and

IEEE Publications (207)

1. P. Varalakshmi, A.R. Shaj Kanimozhi, "A framework for secure cryptographic key management systems", *Advance Computing (ICoAC) 2014 Sri Lanka International Conference on Computer, Communications and Informatics*, pp. 319-323, 2014.

[View Article](#) [Full Text: PDF \(525KB\)](#)

Selvakumar, G. Jeeva thanam, M. R. Sumalatha, "PDDS Improving cloud data storage security using data partitioning technique", *Advance Computing Conference (IACC) 2013 IEEE 3rd International*, pp. 7-11, 2013.

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View graphs

Abstract

Authors

Figures

References

Citations

Keywords

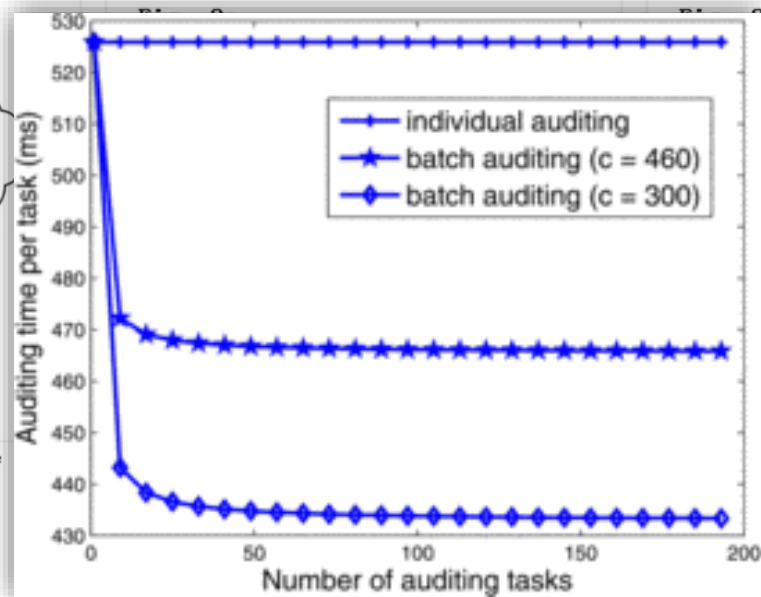
Metrics

Media

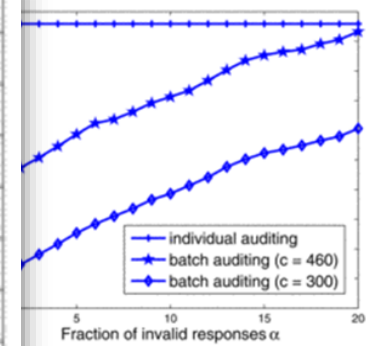
Fig. 1:



The architecture of cloud data storage service



◀ • ▶ View All



auditing time between batch auditing and individual auditing, when α - fraction of 256 responses. Per task auditing time denotes the total auditing time divided by the number of tasks.

View multimedia

Refine results by ?

Search within results



Content Type

- Journals & Magazines (11)
- Conference Publications (4)
- Early Access Articles (2)

Year

Single Year

Range



From

To

2007

2017

Browse Journals & Magazines > IEEE Transactions on Mobile C... > Volume: PP Issue: 99

[Back to Results](#) | [Next >](#)

On Uplink Virtual MIMO with Device Relaying Cooperation Enforcement in 5G

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77
Full
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A comparison of the HIPERLAN/2 and IEEE 802.11a wireless LAN standards

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Author(s)

Mehdi Naderi Soorki ; Mohammad Hossein Manshaei ; Behrouz Maham ; Hossein Saidi

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IEEE Journals & Magazines

[Abstract](#)

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Enter Search Term

Basic Search Author Search Publication Search Advanced Search

Displaying results 1-24 of 24 and refined by

Supplemental Items: Code x

Show All Results | Per Page 25 | Sort By Most Cited [By Papers] |

Select All on Page Download PDFs Export |

Refine results by

Search within results

Content Type

- Journals & Magazines (21)
- Early Access Articles (3)

Year

Single Year Range

2007 2017

Community Mining from Signed Social Networks
Bo Yang; William Cheung; Jiming Liu
IEEE Transactions on Knowledge and Data Engineering
Year: 2007, Volume: 19, Issue: 10
Pages: 1333 - 1348, DOI: 10.1109/TKDE.2007.1061
Cited by: Papers (97) | Patents (1)
IEEE Journals & Magazines

Abstract (html) PDF (5109 Kb) Code

Sensing Matrix Optimization for Block-Sparse Decoding
Lihi Zelnik-Manor; Kevin Rosenblum; Yonina C. Eldar
IEEE Transactions on Signal Processing
Year: 2011, Volume: 59, Issue: 9
Pages: 4300 - 4312, DOI: 10.1109/TSP.2011.2159211
Cited by: Papers (50) | Patents (1)
IEEE Journals & Magazines

Article Title Lorem Ipsum Dolor Sit Amet Sed Faucibus Augue Metus et Tempor Purus...

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14
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Article 2 Endissportitor endissportitor faucibus placerat sodales vitae...

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7 Authors John Smith John Michael Applesseed Sung Kai Hyun Mike Mills Tyrone Holmes View All

Abstract Authors Figures References Citations Keywords Metrics Media Code & Datasets

Code Dataset

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Algorithm Name: Nullam in Est Nec Metus Facilisis Vehicula (Mauris Blandit) Python

```
CODE OCEAN
```

Code

```
1 require('RSQLite')
2 require('plyr')
3
4
5 make_plot=function(drugA,
6 query=paste('select drug
7 drugA, ', drug
8 cell, ' order by drugA_conc, drugB_conc, sep '' )
9
10 data=dbGetQuery(db,query)
11
12 if (dim(data)[2]>4) {
13 drugA_conc=unique(data['drugA_conc'])
14 drugB_conc=unique(data['drugB_conc'])
15 a=conci=rep(c(0,1,2,3),each=4)
16 b=conci=rep(c(0,1,2,3),4)
17
18 observed.data=matrix(data[,c(2:5)], nrow=4, ncol=4, byrow=TRUE)
19 hsa=matrix(data[,c(6:9)], nrow=4, ncol=4, byrow=TRUE)
20 h2=matrix(data[,c(10:13)], nrow=4, ncol=4, byrow=TRUE)
21
22 pri=plot_ly(z=observed.data, type='surface', colors='blue', opacity=0.99, show
23 add_trace=b, conc, y=a_conc, z=data[,2], type='scatter3d', marker=list(color
24 set=trace$color, size=4*trace$color)
25 }
```

Algorithm Name: Nullam in Est Nec Metus Facilisis Vehicula (Mauris Blandit) Matlab

Algorithm Name: Donec Vitae Lacus in Lorem Porta Volutpat C Plus Plus

IEEE code sharing platform

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Make your code discoverable in IEEE Xplore

IEEE has partnered with Code Ocean, whose mission is to make the world's scientific code more open. Depositing your code on this platform will enable users to execute it with the click a button, reproduce your results, and run it with new input values.

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The screenshot displays the IEEE Xplore Digital Library interface on the left and the Code Ocean interface on the right. The IEEE Xplore page shows the article "Blind Identification of SIMO Wiener Systems Based on Kernel Canonical Correlation Analysis" by Steven Van Vaerenbergh, Javier Via, and Ignacio Santamaria. The Code Ocean interface shows the MATLAB code for the article, including parameters and the main algorithm. A plot titled "nonlinearities.png" is also visible, showing the results of the algorithm.

```
1 % KK-DEMO: DEMO of Alternating Kernel Canonical Correlation
2 % Analysis algorithm for blind equalization of single-input multiple-output
3 % Wiener systems.
4
5 % Author: Steven Van Vaerenbergh, 2011.
6
7 % The algorithm in this file is based on the following publication:
8 % S. Van Vaerenbergh, J. Via and I. Santamaria, "Blind Identification of
9 % SIMO Wiener Systems based on Kernel Canonical Correlation Analysis",
10 % accepted for publication in IEEE Transactions on Signal Processing, 2013.
11
12 % This file is part of the Kernel Methods Toolbox for MATLAB.
13 % https://github.com/steven2358/kmtbx
14
15 clear all
16 clear
17 rng('default')
18 rng(0); % reproducibility
19
20 fprintf('Validating kernel CCA for blind
21 fprintf('SIMO Wiener systems.\n');
22
23 %% SETUP PARAMETERS
24 para_setup_model_name = 'demo'; % source model.
25 para_setup_model_L = 5; % channel length.
26 para_setup_data_type = 'gaussian'; % bits, ps
27 para_setup_data_N = 256; % number of data and
28 para_setup_data_SNR = 20; % signal-to-noise r
29 para_setup_A = 15; % number of observations
30 para_setup_p = 4; % number of branches in SIM
31 para_setup_verbose = false;
32
33 fprintf('\nDemo setup: SIMO Wiener system wit
34
35 %% AL-DEMO PARAMETERS
36 para = para_setup; % copy some setup paramete
37 para.il_max = 100; % maximum number of iterat
38 para.il_stop = 1E-10; % stop iteration if chi
39 para.kernel_type = 'gauss'; % kernel type
40 para.kernel_par = [Kx] kv_311varmat(2); % ker
```

<https://codeocean.com/signup/ieee>



Search alerts: track a technology trend/expert/affiliation

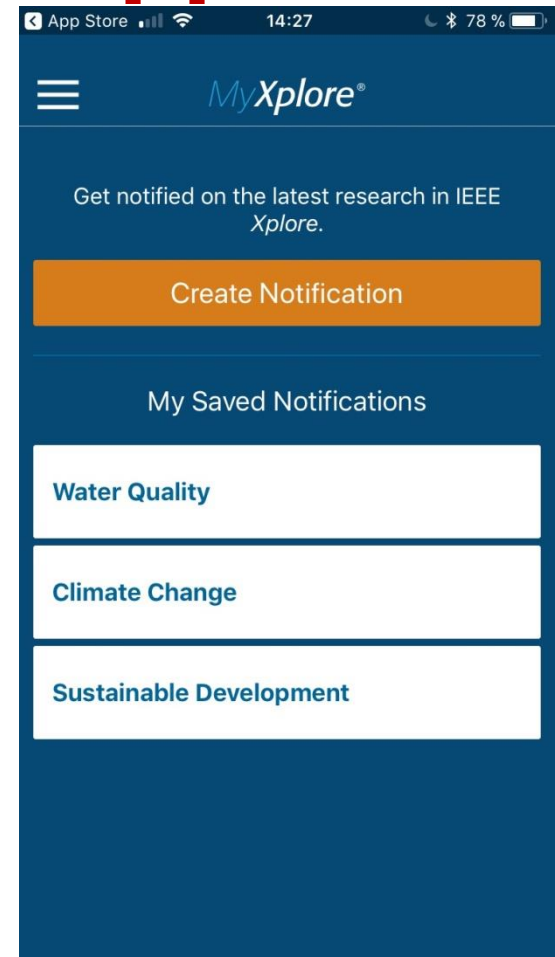
The screenshot displays the IEEE Xplore search interface. At the top, a search bar contains the text "Search within result" and a magnifying glass icon. To the right of the search bar are navigation options: "Show: All Results", "Per Page: 25", "Download PDFs", "Export", "Set Search Alerts" (highlighted with a red box), and "Search History". Below the search bar, the text "Displaying results 1-25 of 44,306 for cloud computing" is visible. A dropdown menu for "Set Search Alerts" is open, showing a "Search Alert Name*" field with the text "cloud computing".

The main navigation bar includes "Browse", "My Settings", and "Get Help". The "My Settings" dropdown menu is open, listing "Content Alerts", "Search Alerts" (highlighted), "Preferences", "Purchase History", "Search History", and "What can I access?".

Below the navigation bar, there is a search bar with a magnifying glass icon and a search button. To the right of the search bar are "Advanced Search" and "Other Search Options". Below the search bar, the text "Displaying results 1-25 of 44,306 for cloud computing" is visible. A dropdown menu for "Set Search Alerts" is open, showing a "Search Alert Name*" field with the text "cloud computing" and an "Email Address" field with the text "154056786@qq.com". There are "Cancel" and "Save" buttons at the bottom of the dropdown menu.

At the bottom of the page, the IEEE logo is visible.

Mobile alerts: MyXplore App



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Career
Dev

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

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JCR: Electrical and Electronic Engineering

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- *IEEE Transactions on Fuzzy Systems*
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- *IEEE Journal on Selected Areas in Communications*
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2018 new journals

- IEEE **Internet of Things Magazine**
- IEEE Transactions on **Medical Robotics and Bionics**
- IEEE Letters of the **Computer Society**
- IEEE **Solid-State Circuits Letters**
- IEEE **Control Systems Letters**
(First articles published mid 2017)
- IEEE **Sensors Letters**
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Examples: Microwave Theory and Techniques Society

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New Research Article	YES(6pages, over-lengthcharge)	YES(3pages)	NO
Tutorial Article	YES(atexpert level)	NO	YES(atFundamental toIntermediatelevel)
Application Note	NO	NO	YES
Review Article	YES(atexpert level)	NO	YES(atFundamental toIntermediatelevel)

- Research Article:** Papers in the journals use the IEEE standard format and must include a Title, Abstract, Introduction, Technical Content, Conclusions, and References. The transactions also include the author biographies.
- Tutorial:** Unique presentation of known material. Valuable methodologies, exhaustive references
- Application Note:** Describe current application of technology: circuits, systems, models, concepts.
- Review:** Historical account of field, exhaustive references, explanation of state-of-the-art, future research

Journal/conference selection

Publication Title ^

- Cloud Computing, IEEE Transactions on (434) v
- Cloud Computing, IEEE (419)
- Cloud Computing and Intelligent Systems (CCIS), 2012 IEEE 2nd International Conference on (327)
- Parallel and Distributed Systems, IEEE Transactions on (293)
- Services Computing, IEEE Transactions on (240)

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IEEE Transactions on Affective Computing²
Understanding, recognizing, and utilizing human emotions in computational systems.

- Aims&Scope
- Editorial board
- Submission guideline
- Review criteria

IEEE Transactions on Cloud Computing

Announcements

- Heartfelt congratulations are offered to TCC's Editor-in-Chief Hui Lei, who received a 2017 IEEE Computer Society Technical Achievement Award "for pioneering contributions to scalable access to real-world data." [Read more.](#)
- Congratulations to Hui Lei on his appointment as 2016-2017 Editor-in-Chief of IEEE Transactions on Cloud Computing. Dr. Lei is CTO, Watson Health Cloud at IBM, where he provides leadership on the Watson Health Cloud technical strategy and spearheads the development of the Watson Health Cloud platform.
- [Introduction to the IEEE Transactions on Cloud Computing by Rajkumar Buyya \(PDF\)](#)
- [Welcome Message by Jon Rokne \(PDF\)](#)

Editorials

- [TCC: State of the Transactions \(Jan-March\)](#)
- [IEEE Transactions on Cloud Computing: Editorial](#)
- [A Status Report on IEEE Transactions on Cloud Computing](#)

Guest Editorials

- [Special Issue on Green and Energy-Efficient Cloud Computing](#)
- [Special Issue on Green and Energy-Efficient Cloud Computing](#)
- [Special Issue on Scientific Cloud Computing](#)
- [Special Issue on Scientific Cloud Computing](#)
- [Special Issue on Economics and Market Mechanisms](#)
- [Cloud Security \(Oct-Dec 2014\)](#)

Reviewers List

- [2016 TCC Reviewers List \(PDF\)](#)

Author Index

- [2016 TCC Author Index \(PDF\)](#)

- 3) TCC has been regularly attracting a healthy number of submissions and as a result we are able to accept high quality papers and maintain a competitive acceptance rate. The details on submissions and acceptance during 2013 and 2014 are as follows:
 - 2013 submissions: 348 (including SI papers)
 - 2014 submissions: 725 (including SI papers)
 - Number of papers accepted in 2013: 51 = 14.6%
 - Number of papers accepted in 2014: 56 = 7.7%
- 4) Please note that not all papers submitted in 2014 are included in the acceptance statistics above as they

TCC: State of the Transactions

Hui Lei, *Fellow, IEEE*

It has been a privilege and honor for me to serve as the Editor-in-Chief (EIC) of the *IEEE Transactions on Cloud Computing (TCC)*. I am pleased to report that over the past

IEEE TRANSACTIONS ON CLOUD COMPUTING, VOL. 5, NO. 1, JANUARY-MARCH 2017

2016 Reviewers List*

We thank the following reviewers for the time and energy they have given to *TCC*:

A			B
Kannammal A	Olu Akin	Kiran Amin	Henning Baars
Mohammad Aazam	Kiumi Akingbehin	Salehi Amini	Seyed Babamir
Martin Abadi	Soramichi Akiyama	Ahmed Amokrane	Muhammad Babar
Jemal Abawajy	Hidayet Aksu	Cristiana Amza	Shivnath Babu
Zahra Abbasi	Osman Al	Vishal Anand	Enzo Baccarelli
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Luca Abeni	Samer Al-Kiswany	Darko Androcec	Mehdi Bahrami
Saeid Abolfazli	Fadi Al-Turjman	Elli Androulaki	Ardehsir Bahreininejad
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Hussam Abu-Libdeh	Marwah Alansari	Dinh Anh	Yan Bai
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Shreenath Acharya	Abdulrahman Aldaheri	Gabriel Antoniu	Pavan Balaji
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Ryan Adams	Mohammed Alhamid	Bernady Apduhan	Bharath Balasubramanian
Sasan Adibi	Mohannad Alhanahnah	Jonathan Appavoo	Cyril Ballagny
	Amal Alhosban	Varsha Apte	
	A Ali		

We warmly welcome the above new members of the editorial board. They have brought with them deep expertise and extensive experience. Their participation has further

for the first time and required at least 65 percent new content. Since June 2016, we have reduced the requirement on new content to 33 percent, to encourage the submission of extended conference papers and to align with the practice of other IEEE transactions. We have also modified *TCC* policies to allow comments papers in addition to regular research papers. We hope such policy changes will provide more opportunities for idea exchange amongst members of the cloud computing community.

We have seen a steady growth of submissions to the journal. We have also taken measures to improve the paper review process. We have set explicit performance objectives, and have been closely monitoring the performance of the Associate Editors and reviewers and providing timely performance feedback. It is gratifying to see that our efforts have paid off. The average time from submission to first decision is 75 days in 2016, which represents over 20 percent reduction of the number for 2015. In order to improve the time from acceptance to publication, we have temporarily suspended taking new proposals for special issues. Further, we have substantially increased the total page budget for *TCC* in 2017.

We have continued to develop the *TCC* community. We have made arrangements with two key conferences in cloud computing—IEEE International on Cloud Engineering (IC2E) and IEEE International Conference on Cloud Computing Technology and Science (CloudCom), so that the best papers from these conferences can be recommended to *TCC* and fast-tracked in the *TCC* review process.

In addition, these conferences have agreed to include special *TCC* sessions in their program for the presentation of papers to be published in *TCC*. These arrangements will

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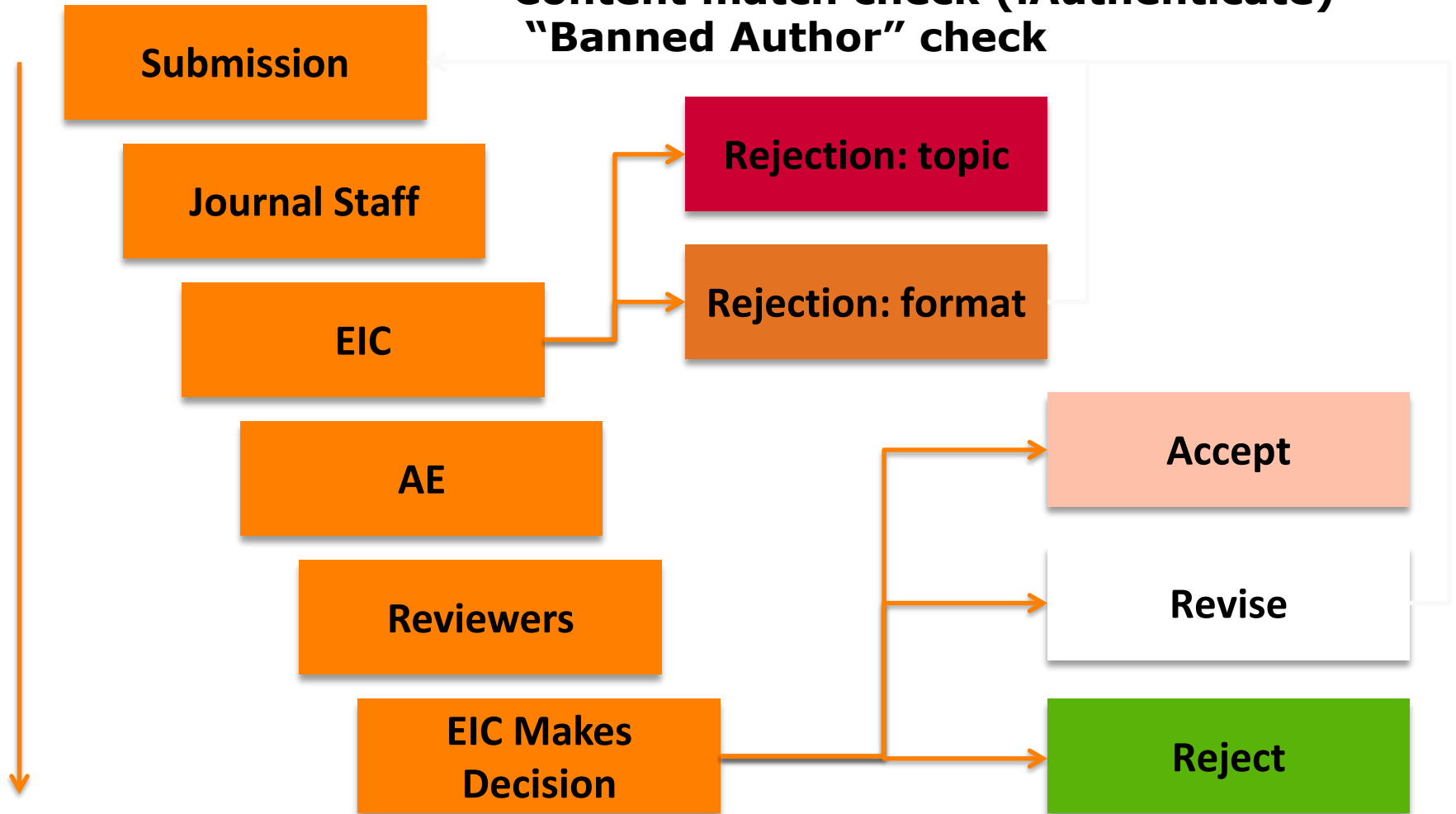
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2020 IEEE International Electron Devices Meeting (IEDM)	10 Dec - 18 Dec 2020	Hilton San Francisco San Francisco, CA, USA
2020 IEEE Symposium on VLSI Technology	16 Jun - 18 Jun 2020	TBD TBD, TBD,
2019 IEEE International Electron Devices Meeting (IEDM) 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

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Why IEEE editors and reviewers reject papers

- The content is not a good fit for the publication
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 - 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

Do & Don't

- Authorship (and Acknowledgements)
- Plagiarism
- Reuse of Published Materials
- Duplicate Submission
- Evolution of Research
- Fabrication or Falsification

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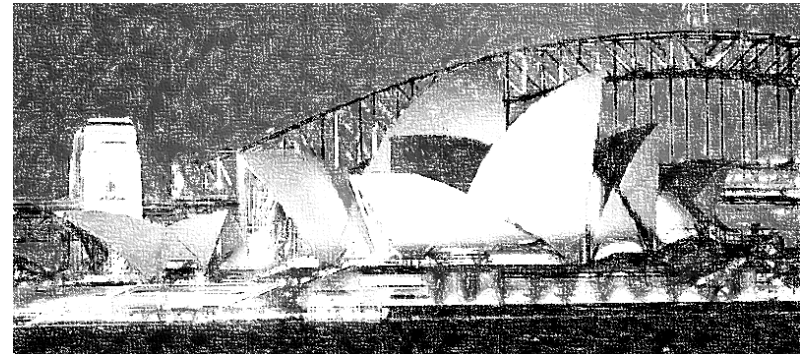
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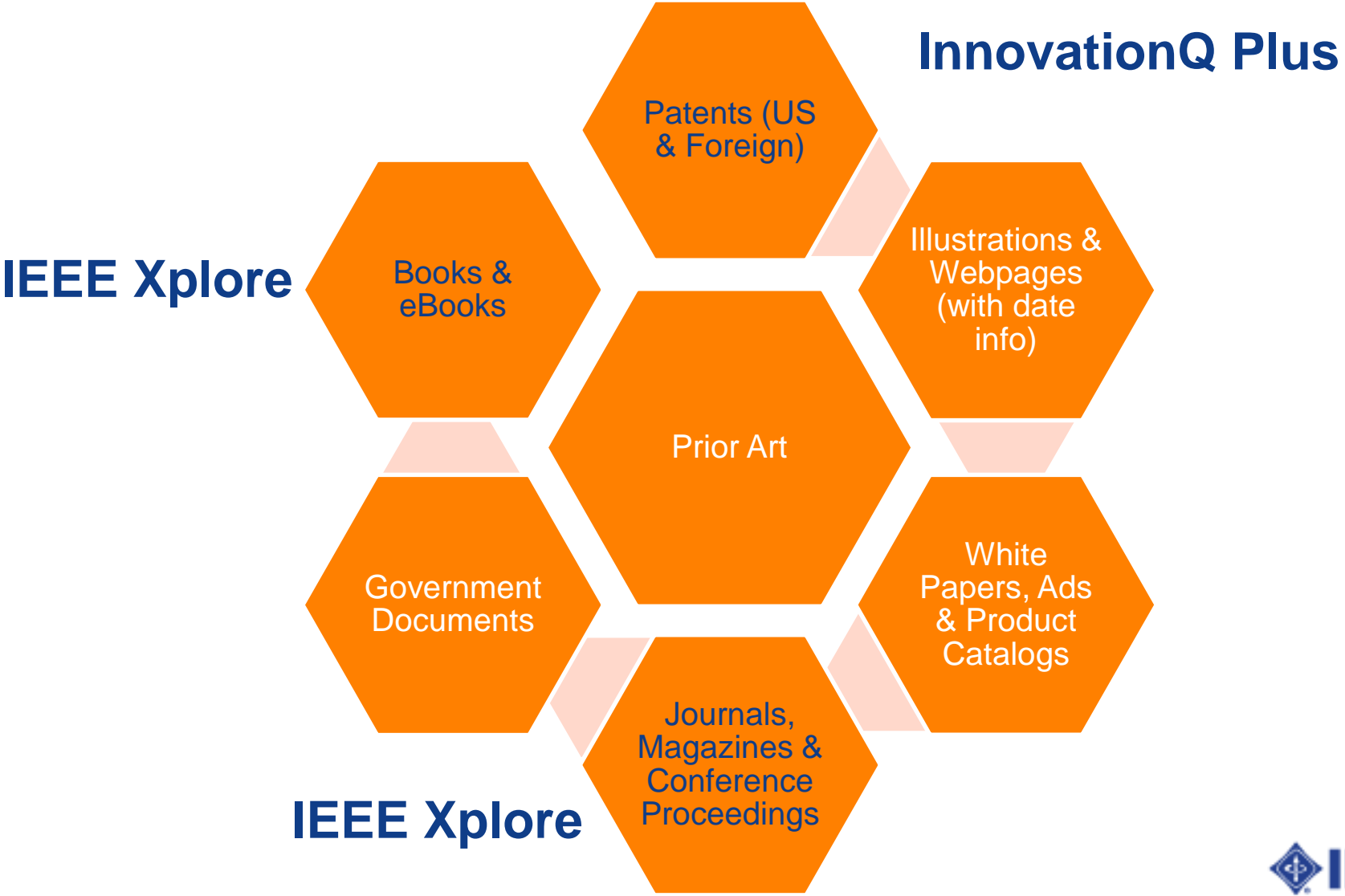
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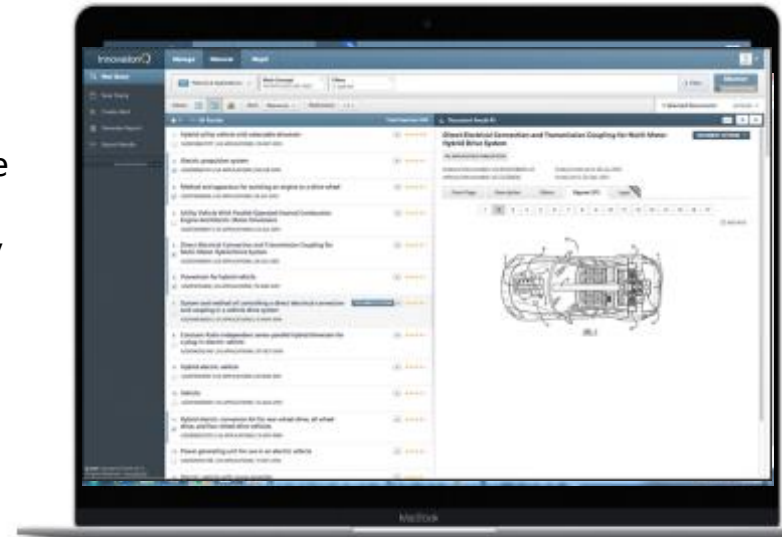
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and Query

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The screenshot displays the Innovation Plus search interface. At the top, the search query is "Face recognition using modified deep learning neural n..." with "+ 1 mod" and "0 filters" indicators. A search bar contains the text "random forest". Below the search bar, a list of search results is visible, including "Automated Compilation of Probabilistic Task Description", "Deep learning framework for generic object detection", "Super resolution using a generative adversarial network", and "Tomographic image reconstruction via machine learning". A dropdown menu is open over the search bar, showing options: "Modify Query", "Replace Main Concept", "More Like This", "Less Like This", "Document", and "Add to Portfolio". A "Cancel" button is also visible near the search bar.

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1 - 50

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WO2016145379A1 | WIPO APPLICATIONS | 15-SEP-2016

2. Deep learning framework for generic object detection

Object detection remains a fundamental problem and bottlene been extensively investigated on object detection problems. In

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3. Super resolution using a generative adversarial network

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4. Tomographic image reconstruction via machine learning

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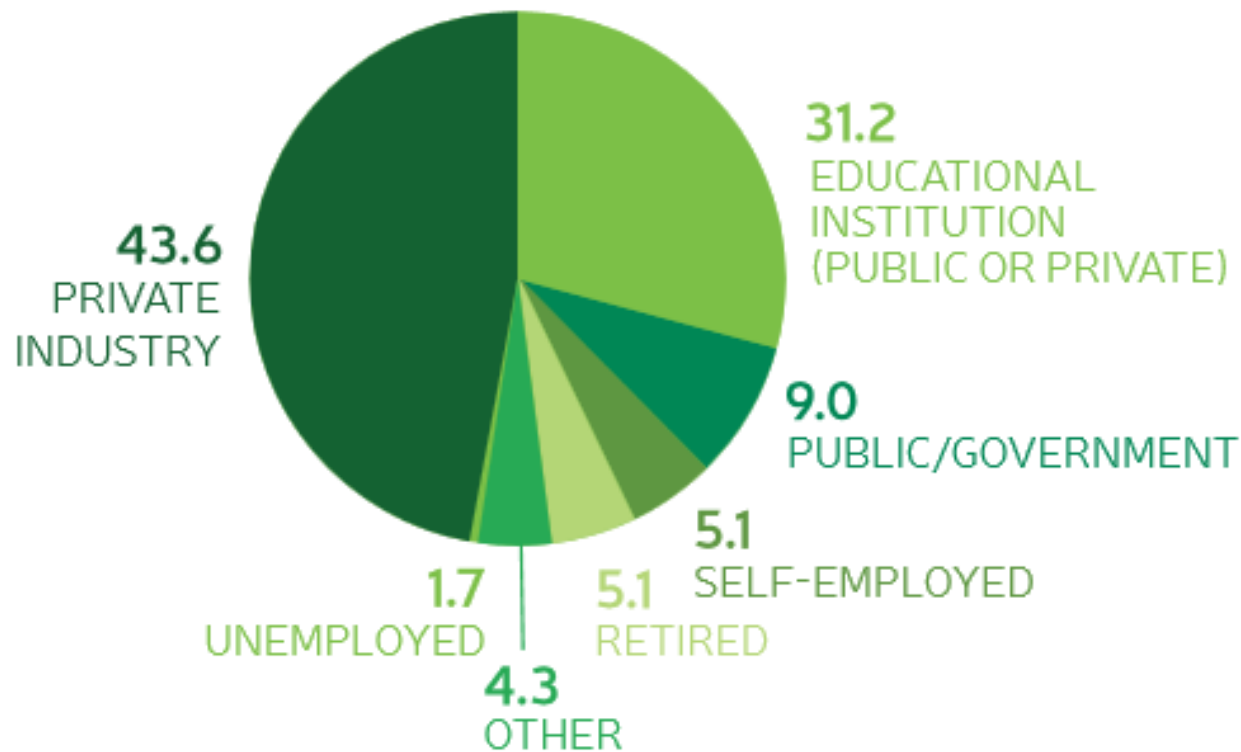
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2018 Embedded Systems Week (ESWeek)

Abstract submission deadline: 25 Mar 2018
Full Paper Submission deadline: 01 Apr 2018
Final submission deadline: 07 Jul 2018
Notification of acceptance date: 23 Jun 2018

2018 IEEE Workshop on Advanced Robotics and its Social Impacts (ARSO)

Abstract submission deadline: 15 Mar 2018
Full Paper Submission deadline: 15 Mar 2018
Final submission deadline: 01 Jul 2017

Conference Name ▲ ▾	Conference Date ▲ ▾	Location ▲ ▾
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2018 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Full Paper Submission deadline: 01 Mar 2018 Notification of acceptance date: 15 Jun 2018	01 Oct - 05 Oct 2018	Palacio Municipal de Congresos Avenida Capital de Espana, 7 Madrid, Spain
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2018 IEEE Workshop on Advanced Robotics and its Social Impacts (ARSO) Abstract submission deadline: 15 Mar 2018 Full Paper Submission deadline: 15 Mar 2018 Final submission deadline: 01 Jul 2017 Notification of acceptance date: 01 Jun 2018	27 Sep - 29 Sep 2018	Palazzo della Borsa via XX Settembre, 44 Genova, Italy
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♦ 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



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 worth 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 scholarship is awarded to active leaders in the IEEE Computer Society Student Branches. A number of 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 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

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.

Student Program Highlights

+ Student Competition

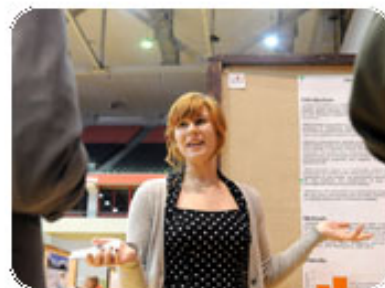
Student Scholarship

+ IEEE Potentials Magazine

+ Student Member Benefits

Find IEEE Student Branches by Region

+ Student Volunteer Resources



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



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

www.ieee.org/xtreme



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

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