

# 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 Institute of Electrical  
and Electronics Engineers**



# IEEE members are the technology leaders of today and tomorrow

## IEEE Medal of Honor Recipients

2013

**Irwin Jacobs**  
Co-Founder  
Qualcomm Inc



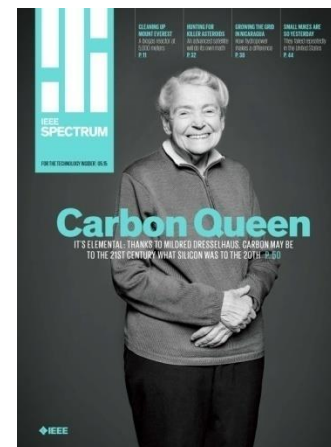
2014

**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

## Our Global Reach

**430,000+**  
Members



**45**  
Technical Societies and  
Councils



**160+**  
Countries



## Our Technical Breadth

**1,700+**  
Annual Conferences



**4,000,000+**  
Technical Documents



**180**  
Top-cited Periodicals



# 39 IEEE Societies

- 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 Computer Graphics and Applications Society
- IEEE Computer Society
- IEEE Consumer Electronics Society
- IEEE Control Systems Society
- IEEE Dielectric and Electrical Insulation Society
- IEEE Education Society
- 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 Quantum Electronics and Laser Technology Society
- IEEE Systems, Man, and Cybernetics Society
- IEEE Technology and Engineering Management Society
- IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society
- IEEE Vehicular Technology Society

# 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





# 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
- ...

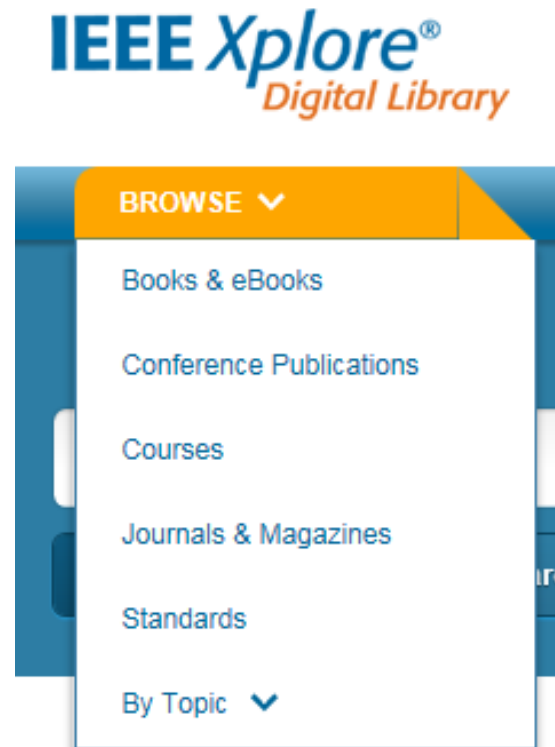
# The importance of literature review

- **IEEE peer review criteria**

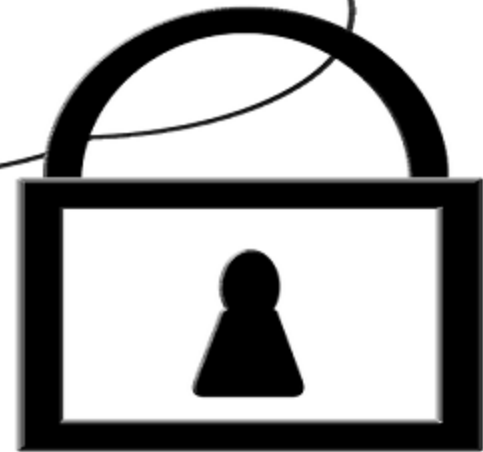
- **Content:** Content that is appropriate, in scope and level
- **Originality:** Clearly written original material that addresses a new and important problem
- **Extension Work:** Extension of previously published work
- **Validity:** Valid methods and rationale
- **Good Illustrations,** tables and 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**
- 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
- 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



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 various filters and a list of results. A dropdown menu is open on the left, showing a search for "Publication Title" with a text input field "Enter Title" and a list of categories with their respective counts:

- 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)

Below the list are two "View more..." links. The main search results area shows "2,817" results, with filters for "Journals & Magazines (408)", "Early Access Articles (77)", and "Courses (1)". The "Sort By" is set to "Relevance". The first result is titled "Lightweight cloud computing for development: A graph based data model" by Samson Akintoye; Antoine Bagula; Yacine Djemaiel; Nouredine Boudriga, published in 2017. It includes a PDF icon (435 Kb) and a Creative Commons license icon. A sidebar on the right promotes "Get access to Cloud Security eLearning courses." The IEEE logo is in the bottom right corner.

# Identify most cited papers

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

- Conference Publications (2,817)
- Journals & Magazines (408)
- Early Access Articles (77)
- Books & eBooks (11)
- Courses (1)

## Year

Single Year  Range

2008  To  2017

From  To

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](#)  (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

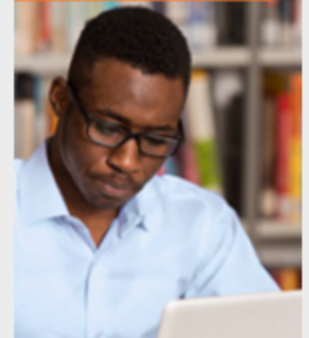
Sort By: **Relevance** ▼

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

Get access to

**Cloud Security**

eLearning courses.





# Follow the lead, deep dive

Browse Conferences > INFOCOM, 2010 Proceedings IEEE ?

< Previous | Back to Results | Next >

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

[View Document](#)

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

[View All](#)

# Track references and citations

Abstract Authors Figures

Citations  Citation Map

By Papers By Patents

IEEE Publications (207)

1. P. Varalakshmi, A.R. Shaj Kanimozhi, "A framework for secure cryptographic key management systems", *Advanced Computing (ICoAC) 2014 Sri International Conference* 319-323, 2014.

View Article Full Text: PDF (525KB)

**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".

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

**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

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.

ew article Full Text: PDF (391KB)

18

# View graphs

Abstract

Authors

**Figures**

References

Citations

Keywords

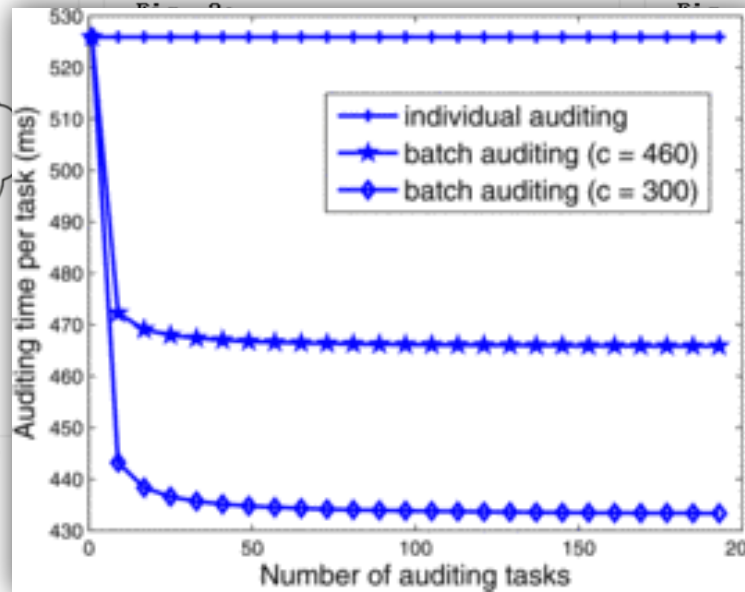
Metrics

Media

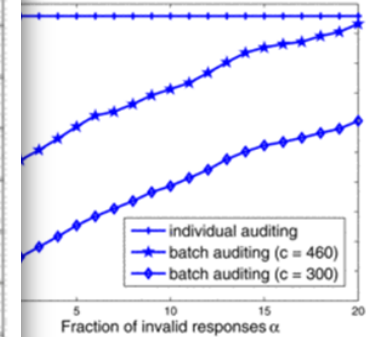
Fig. 1:



The architecture of cloud data storage service



◀ • ▶ View All



auditing time between batch auditing and individual auditing, when  $\alpha$  - 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



2007

2017

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

View Document

77

Full  
Text Views

### Related Articles

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

Improved stability analysis and gain-scheduled controller synthesis for paramete...

Global exponential stability of recurrent neural networks for synthesizing linea...

[View All](#)

4

Author(s)

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

[View All Authors](#)

[Abstract](#)

[Authors](#)

[Figures](#)

[References](#)

[Citations](#)

[Keywords](#)

[Metrics](#)

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### Type & Format

### Size



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Other

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Pages: 9604 - 9613, DOI: [10.1109/ACCESS.2016.2634038](https://doi.org/10.1109/ACCESS.2016.2634038)

IEEE Journals & Magazines

[Abstract](#)

[\(\(html\)\)](#)

[PDF](#) (9772 Kb)



[Media](#)

# View code&datssets

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

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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Text Views

## Related Articles

Article 1 Nullam suspendi endissportitor endissportitor. Duis sit amet tellus...

Article 2 Endissportitor endissportitor faucibus placerat sodales vitae...

View All

7 Authors John Smith John Michael Appleeseed 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
src
README.md
run.sh
sources.list
Data
crime.dat 12.11 KB
run.sh
1 require('SQLite')
2 require('plotly')
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=db.query(db.query)
11
12 if (dim(data)[2]>0) {
13 drug_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[,c(2:4)], nrow=4, ncol=4, byrow=TRUE)
19 hsa=matrix(data[,c(5:8)], nrow=4, ncol=4, byrow=TRUE)
20 b1=matrix(data[,c(9:12)], nrow=4, ncol=4, byrow=TRUE)
21
22 p=plot_ly(z=observed.data, type="surface", colors="blue", opacity=0.59, show
23 add_trace=b.conc, y=a.conc, z=data2$b, type="scatter3d", marker=list(color
24 add_trace=h1sa, showFourZeros=FALSE, color="red", opacity=0.59, showcale=FALSE)
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

IEEE Xplore®  
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CODE OCEAN

## 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 search results for the article "Blind Identification of SIMO Wiener Systems Based on Kernel Canonical Correlation Analysis". The article is authored by Steven Van Vaerenbergh, Javier Via, and Ignacio Santamaria. The search results show the article title, authors, and a "Code & Datasets" tab. The code is displayed in a Code Ocean environment, showing MATLAB code for kernel canonical correlation analysis. The code includes comments in Spanish and English, and a plot titled "nonlinearities.png" showing the results of the analysis.

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



# Search alerts: track a technology trend/expert/affiliation

The screenshot displays the IEEE Xplore search interface. At the top, there is a search bar with the text "Search within result" and a magnifying glass icon. To the right of the search bar are several 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 "Set Alert" dialog box is open, showing a "Search Alert Name\*" field with the text "cloud computing". Below the dialog box, there are several filter options: "Conference Publications (38,541)", "Journals & Magazines (4,755)", "Books & eBooks (291)", and "Courses (40)".

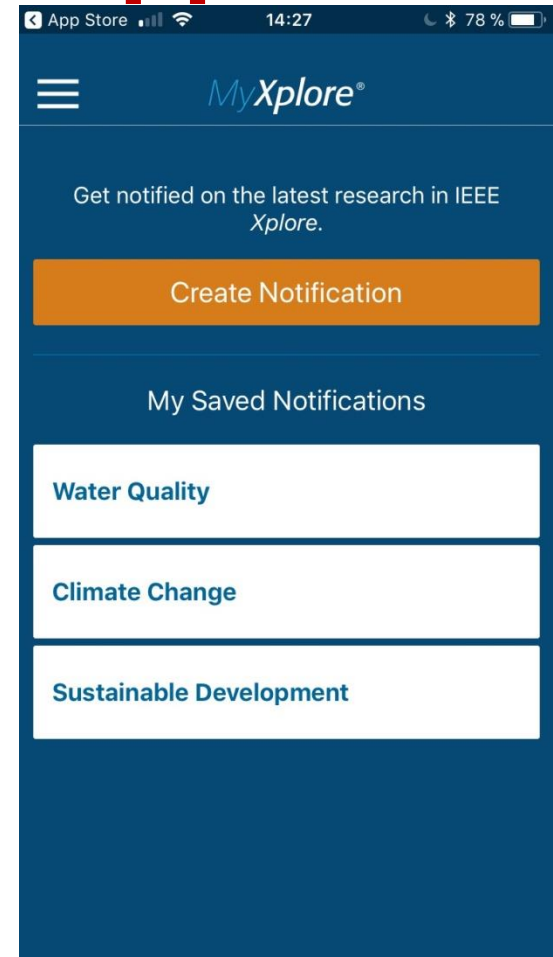
**Set Alert**  
Search Alert Name\*  
cloud computing

**Set Alert**  
Search Alert Name\*  
cloud computing

**Email Address**  
154056786@qq.com

Cancel Save

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# Publishing or Patenting?

Idea  
(No  
Idea)

Course  
work

Research

**Publish**  
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# 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

# IEEE journal impact factor

**22 of the top 25** journals in Electrical and Electronic Engineering

**13 of the top 15** journals in Telecommunications

**4 of the top 5** journals in Artificial Intelligence

**4 of the top 5** journals in Computer Science, Information Systems

**3 of the top 5** journals in Computer Science, Hardware & Architecture

**3 of the top 5** journals in Automation & Control Systems

**2 of the top 5** journals in Computer Science, Cybernetics

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\* Based on the Clarivate Analytics Journal Citation Report study released June 2017

\*\* Source: 1790 Analytics

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# JCR: Electrical and Electronic Engineering

- *Progress in Quantum Electronics*
- *IEEE Transactions on Fuzzy Systems*
- *IEEE Signal Processing Magazine*
- *IEEE Transactions on Industrial Electronics*
- *IEEE Transactions on Pattern Analysis and Machine Intelligence*
- *Proceedings of the IEEE*
- *IEEE Industrial Electronics Magazine*
- *IEEE Communications Magazine*
- *IEEE Transactions on Power Electronics*
- *IEEE Transactions on Neural Networks and Learning Systems*
- *IEEE Wireless Communications Magazine*
- *IEEE/ASME Transactions on Mechatronics*
- *IEEE Transactions on Medical Imaging*
- *IEEE Transactions on Image Processing*
- *IEEE Transactions on Sustainable Energy*
- *IEEE Journal on Selected Areas in Communications*
- *Automatica*
- *IEEE Intelligent Systems*
- *IEEE Journal of Selected Topics in Quantum Electronics*
- *Pattern Recognition*

# 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**  
(First articles published mid 2017)

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# 2017 new journals

- 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**



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# Examples: Microwave Theory and Techniques Society

	Transactions	Letters	Magazine
<b>New Research Article</b>	YES(6pages, over-lengthcharge)	YES(3pages)	NO
<b>Tutorial Article</b>	YES(atexpert level)	NO	YES(atFundamental toIntermediatelevel)
<b>Application Note</b>	NO	NO	YES
<b>Review Article</b>	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
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# Journal/conference selection

## Publication Title ^

Enter 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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AND BIOINFORMATICS**

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IEEE TRANSACTIONS ON  
**AFFECTIVE COMPUTING**

IEEE Transactions on Affective Computing<sup>2</sup>  
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	Olu Akin	Kiran Amin	B
Kannammal A	Kiumi Akingbehin	Salehi Amini	Henning Baars
Mohammad Aazam	Soramichi Akiyama	Ahmed Amokrane	Seyed Babamir
Martin Abadi	Hidayet Aksu	Cristiana Amza	Muhammad Babar
Jemal Abawajy	Osman Al	Vishal Anand	Shivnath Babu
Zahra Abbasi	Said Al	Arun Anandasivam	Enzo Baccarelli
Omer Abdelrahman	Ahmed Al-Absi	Rachid Anane	Christian Bach
Omar Abdul-Rahman	Mortada Al-Banna	David Anderson	Michael Backes
Rojitha Abdulla	Auday Al-Dulaimy	Stefan Andrei	Jean Bacon
Monir Abdullah	Mohammad Al-Fares	Yiannis Andreopoulos	Rosa Badia
Razzaque Abdur Mohammad	Ala Al-fuqaha	Lachlan Andrew	Joonsang Baek
Amr Abed	Dhiya Al-Jumeily	Vasilios Andrikopoulos	Mohammad Baharloo
Khalid Abed	Samer Al-Kiswany	Darko Androcec	Victor Bahl
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Saeid Abrishami	Ismail Alan	Pelin Angin	Rami Bahsoon
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Hussam Abu-Libdeh	Hamid Alasadi	S. Anithakumari	Yan Bai
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Abdullah Abuhusseini	Massimiliano Albanese	Alagan Anpalagan	Peter Bailey
Utku Acer Gunay	Saleh Albelwi	Nirwan Ansari	Henri Bal
Giuseppe Aceto	Abdulrahman Aldaheri	Gabriel Antoniu	Maresh Balaji
Shreenath Acharya	Zachary Alexander	Nuno Antunes	Pavan Balaji
Carlisle Adams	Mohammed Alhamid	Bernady Apduhan	Janaka Balasooriya
Ryan Adams	Mohannad Alhanahnah	Jonathan Appavoo	Bharath Balasubramanian
Sasan Adibi	Amal Alhosban	Varsha Apte	Cyril Ballagny
	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

# Finding Conference Calls for Papers

## IEEE Conference Search Results

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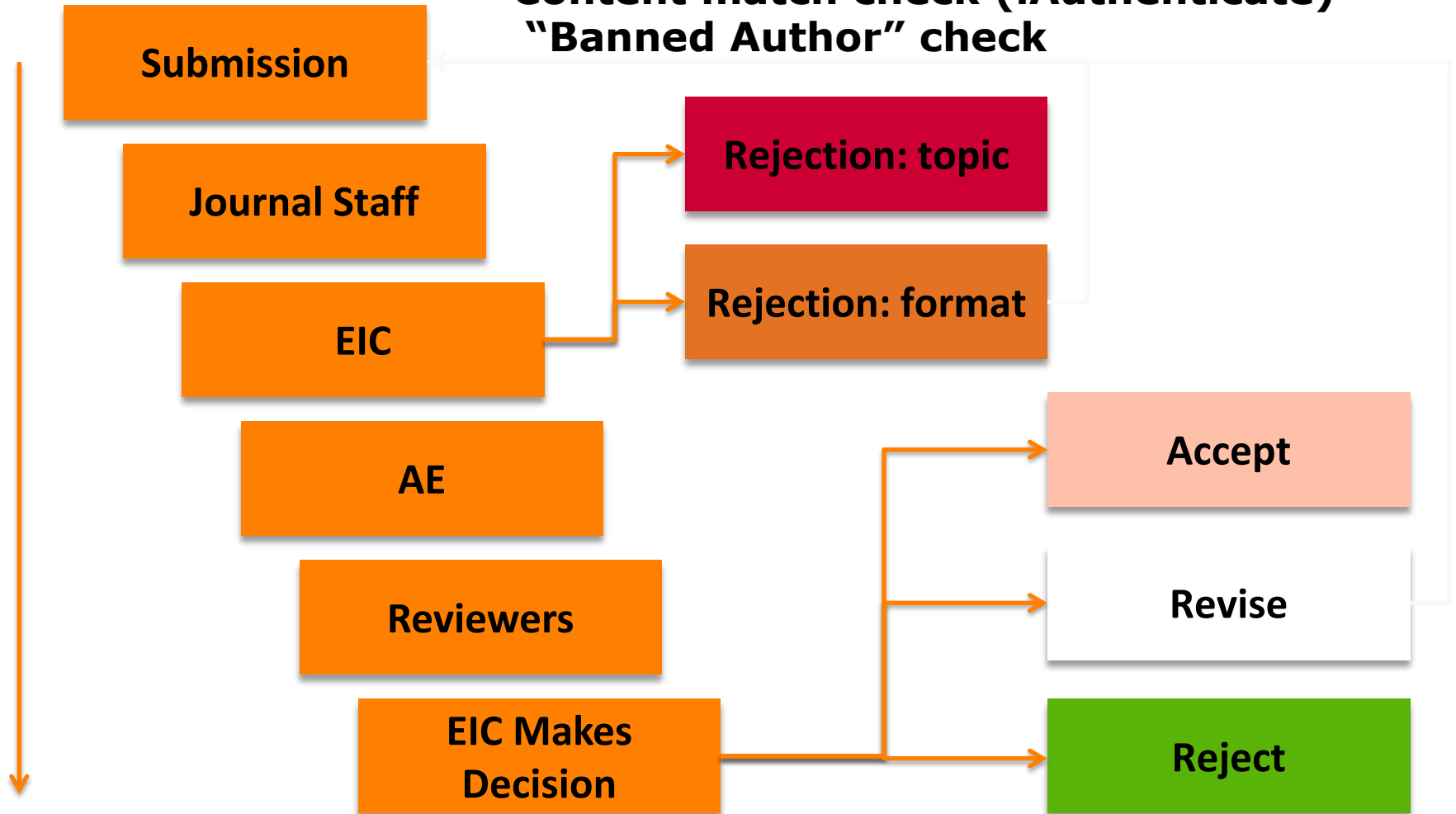
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Conference Name ▲ ▼	Conference Date ▲ ▼	Location ▲ ▼
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2020 IEEE International Electron Devices Meeting (IEDM)	10 Dec - 18 Dec 2020	Hilton San Francisco San Francisco, CA, USA
2020 IEEE Symposium on 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

[http://www.ieee.org/conferences\\_events/index.html](http://www.ieee.org/conferences_events/index.html)

# Review Process

Content match check (iAuthenticate)  
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# 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

# Do & Don't

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



# Authorship (and Acknowledgements)

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Contributors who do not meet all of the above criteria can be included in the Acknowledgement section of the article.

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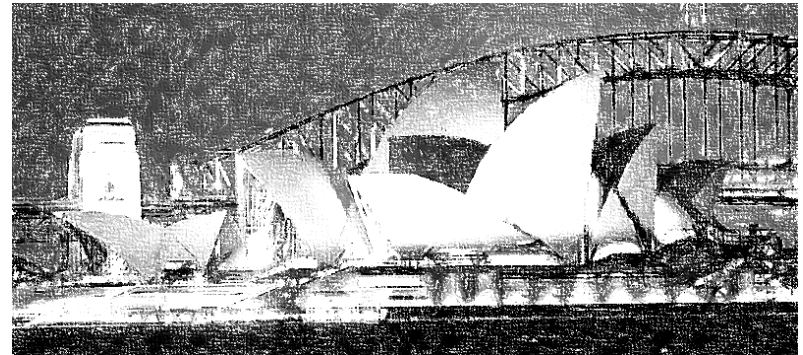
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# Duplicate Submission

- Submit your article to ONLY one publication at a time; if it's rejected, you can submit it again elsewhere
- Avoid submitting an article which is the same or very similar to a previous work

However...

- Republication of conference proceedings article as journal article...

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- Provide reference to prior publication and indicate what's different
- Presentations are **not** considered prior publication when more current information is submitted to a journal
- Recorded presentations and annotated PPTs can be published in IEEE *Xplore*



# Fabrication or Falsification


## Definition:

Inaccurate reporting of the research conducted or the results obtained.

## Examples include:

- False, incomplete or selective reporting of results
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

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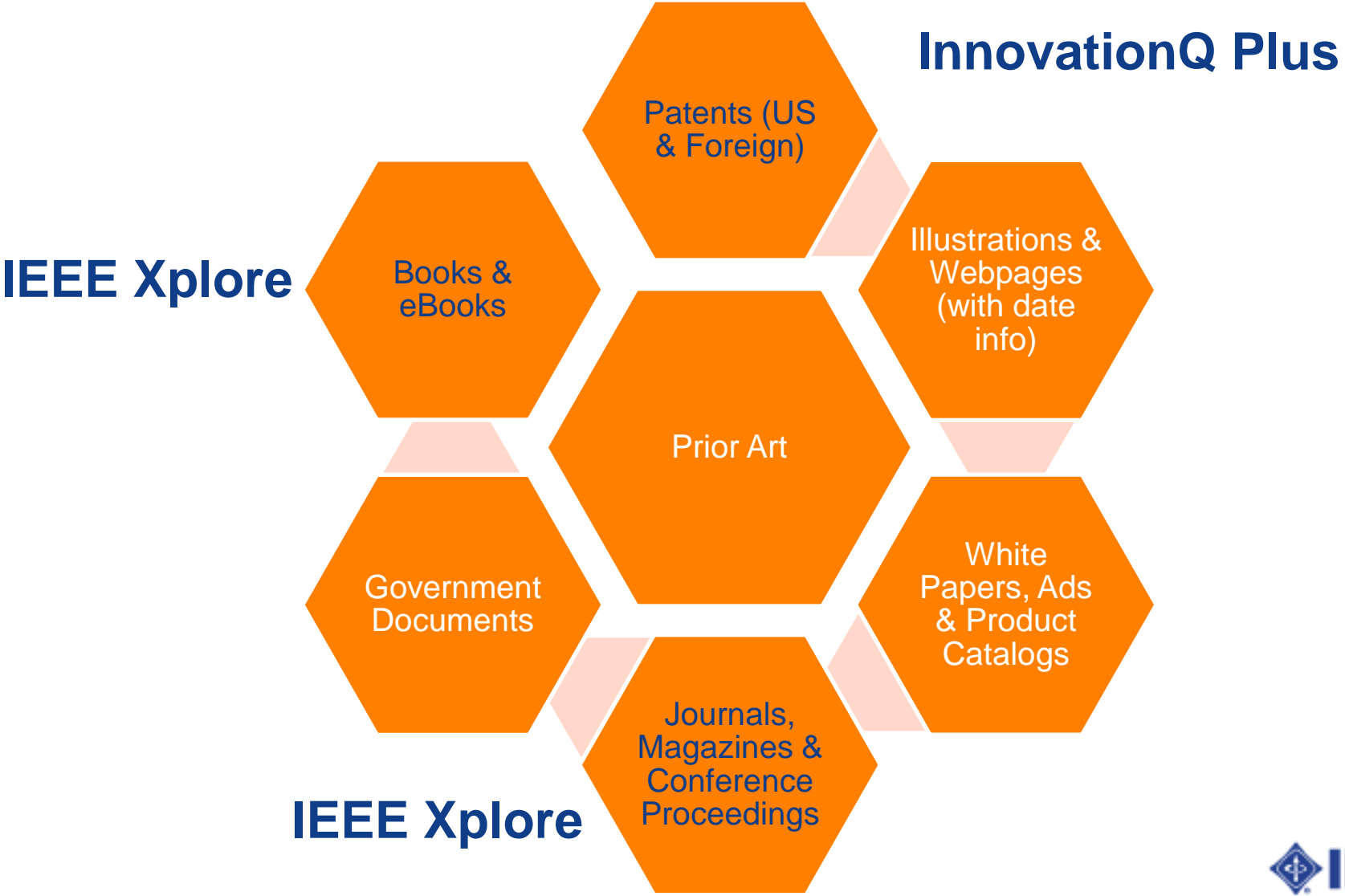
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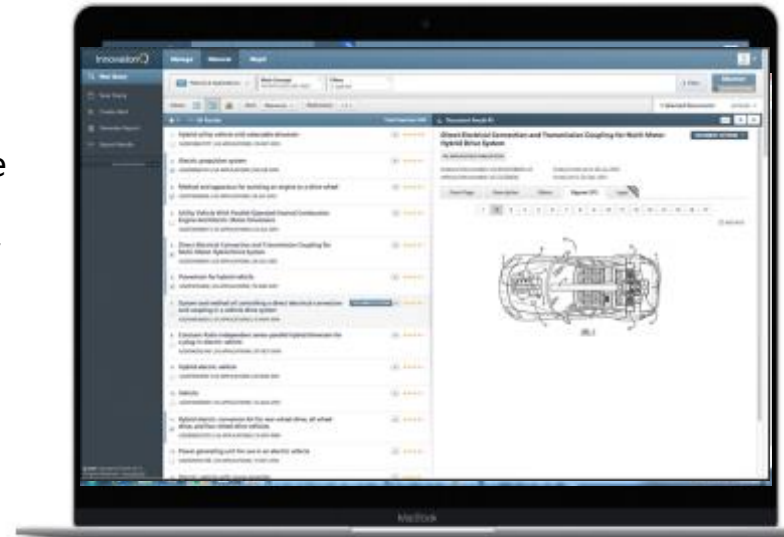
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## Face recognition using modified deep learning neural network

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and Query

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1 - 50

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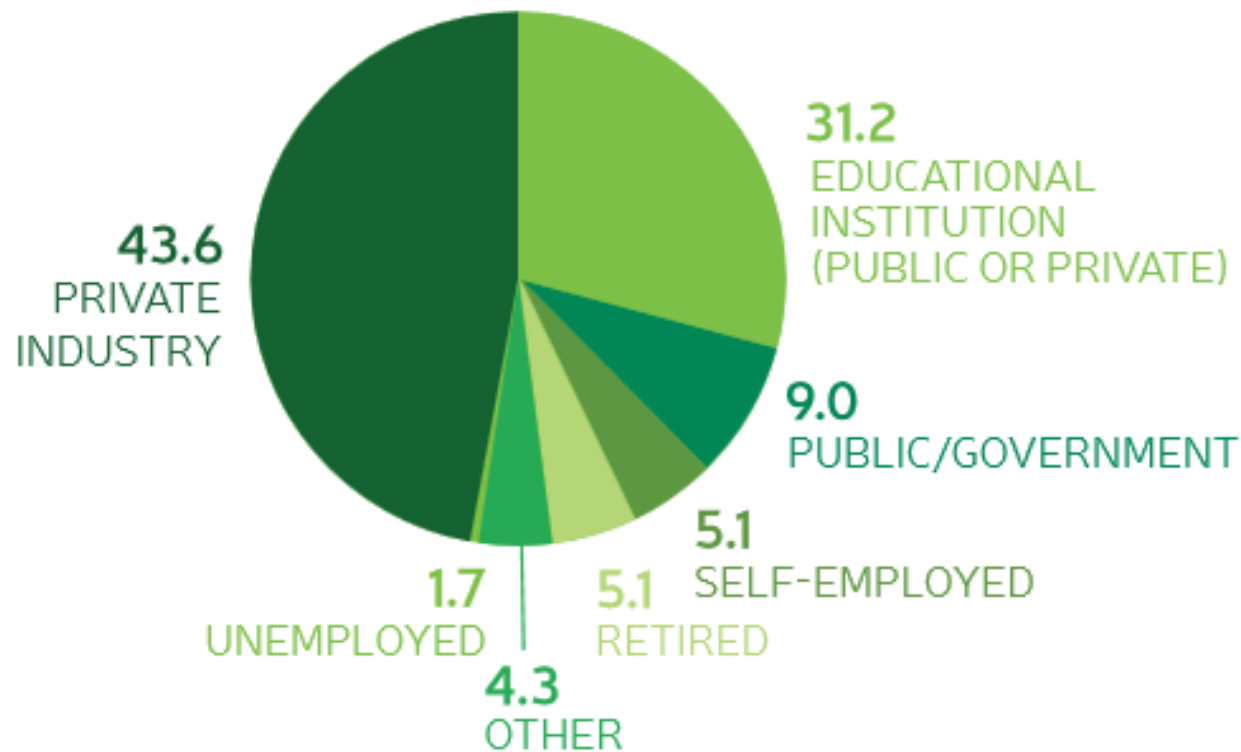
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2018 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) Full Paper Submission deadline: 01 Mar 2018 Notification of acceptance date: 15 Jun 2018	01 Oct - 05 Oct 2018	Palacio Municipal de Congresos Avenida Capital de Espana, 7 Madrid, Spain
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2018 IEEE International Conference on Cluster Computing (CLUSTER) Abstract submission deadline: 04 May 2018 Full Paper Submission deadline: 18 May 2018 Notification of acceptance date: 06 Jul 2018	10 Sep - 14 Sep 2018	Belfast Assembly Buildings Conference Centre 2-10 Fisherwick Place Belfast, United Kingdom

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- Commitment to standards education
- Resources

### Commitment to standards education



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- actively promoting the integration of standards into academic programs;
- providing short courses about standards needed in the design and development phases of professional practice.

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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

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## ♦ Scholarships, grants, and fellowships

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**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 annual 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 scholarship is awarded to active leaders in the IEEE Computer Society Student Branches. Several 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 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

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

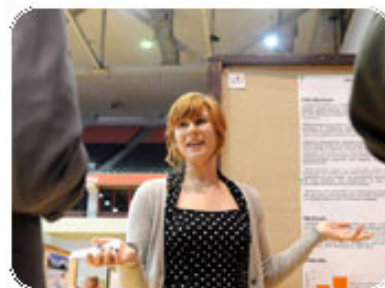
### Student Scholarship

### + 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/xtreme)



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