

IEEE Xplore Update – Content, Features and Functionality

George Plosker

IEEE Client Services Manager

September 2015





IEEE is the world's largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity. More than 430,000 members worldwide.

Mission statement

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

Many programs, projects and initiatives that IEEE has in place to support this mission...

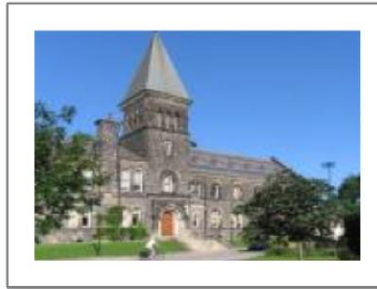
The world's most successful technology leaders & organizations rely on IEEE information



Technology Companies

- 28 of the top 29 Semiconductor companies
- 9 of top 10 Communications Equipment companies
- All top 10 Aerospace companies
- All top 5 Computer Hardware companies
- 9 of top 10 Auto & Truck Manufacturers
- 7 out of top 10 Telecommunications companies

(Forbes Global 2000 Rankings, May 2014)



Universities

- All of the top 100 engineering schools in US
- 98 of the Top 100 Technical Universities Worldwide

(US News and World Report 2014, Times Higher Education Top Technology Universities)



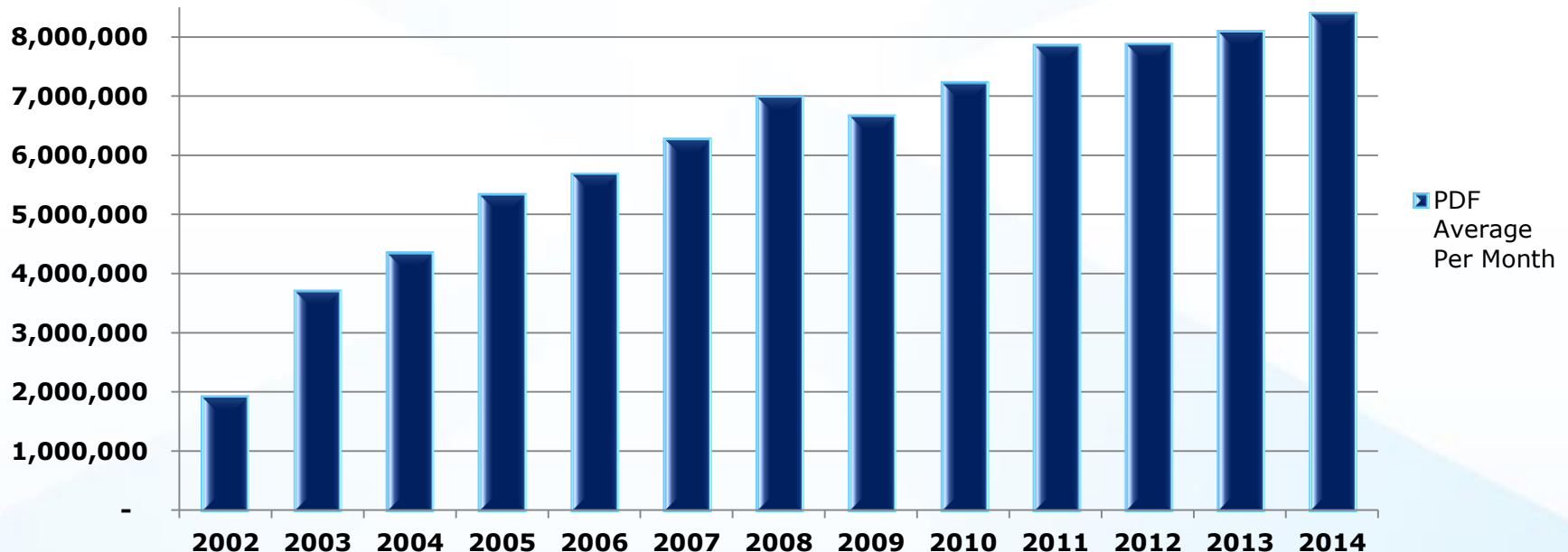
Government

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- Communications and energy labs
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Data year end 2014

Why do they all rely on
IEEE information?

IEEE quality makes an impact

Thomson Reuters Journal Citation Reports® by Impact Factor

IEEE publishes:

18 of the top 20 journals in Electrical and Electronic Engineering

18 of the top 20 journals in Telecommunications

8 of the top 10 journals in Computer Science, Hardware & Architecture

7 of the top 10 journals in Cybernetics

3 of the top 5 journals in Automation & Control Systems

3 of the top 5 journals in Artificial Intelligence

2 of the top 5 journals in Robotics

The Thomson Reuters Journal Citation Reports presents quantifiable statistical data that provides a systematic, objective way to evaluate the world's leading journals.

Based on the 2014 study released June 2015

More info: www.ieee.org/citations



IEEE quality makes an impact

Thomson Reuters Journal Citation Reports® by Impact Factor

IEEE journals are:

- # 1 in Automation and Control
- # 1 in Artificial Intelligence
- # 1 in Computer Hardware
- # 1 in Cybernetics
- # 1 in Electrical Engineering
- # 1 in Information Systems
- # 1 in Measurement
- # 1 in Theory and Methods
- # 1 in Telecommunications
- # 2 in Aerospace Engineering
- # 2 in Robotics



The Thomson Reuters Journal Citation Reports presents quantifiable statistical data that provides a systematic, objective way to evaluate the world's leading journals.

Based on the 2014 study released June 2015

Stay current with IEEE

The technology landscape is constantly evolving and so are IEEE publications.

Each year, IEEE introduces new journals, conferences, and standards to address growing areas of research, such as Cloud Computing, Big Data, Smart Grid technology, Internet of Things and others.

- New journal and magazine titles
- New conferences titles
- New and revised standards
- New eBooks and eLearning titles
- New tools to discover them all



New IEEE Journals in 2014

- *IEEE Cloud Computing*
- *IEEE Internet of Things Journal*
- *IEEE Trans. on Computational Social Systems*
- *IEEE Trans. on Control of Network Systems*
- *IEEE Electrification Magazine*
- *IEEE Trans. on Network Science and Engineering*
- *IEEE Power Electronics Magazine*
- *IEEE/CAA Journal of Automatica Sinica*

2003 – 2013: >50 new journals added



New IEEE Journals Coming in 2015

- *IEEE Trans. on **Big Data***
- *IEEE Trans. on **Transportation Electrification***
- *IEEE Trans. on **Cognitive Communications and Networking***
- *IEEE Trans. on **Computational Imaging***
- *IEEE Trans. on **Molecular, Biological, and Multi-Scale Communications***
- *IEEE Trans. on **Multi-Scale Computing Systems***
- *IEEE Trans. on **Signal and Information Processing over Networks***
- *IEEE **Systems, Man, and Cybernetics** Magazine*



IEEE Conferences leading-edge content

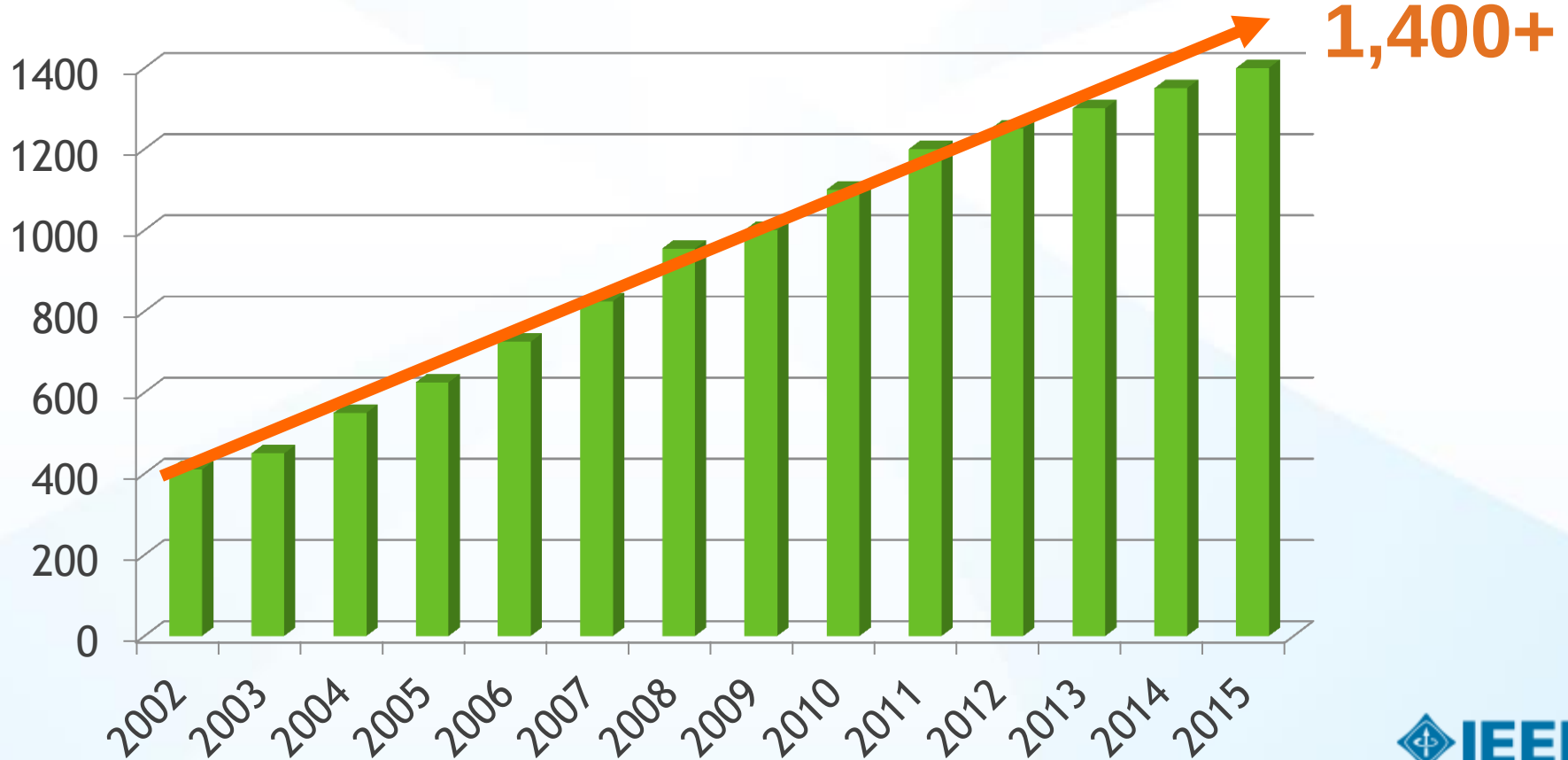
This year the IEEE will publish more than 1,400 leading-edge conference proceedings, which are recognized by academia and industry worldwide as the most vital collection of consolidated published papers in electrical engineering, computer science, and related fields.

- **Breadth of content:** papers on topics from grid computing to wireless communications
- **The latest research:** often published before other leading journals
- **Unequaled depth:** 2.1 million conference papers are available and more than 1,400 conference proceedings titles are published each year
- **Quality of content:** papers authored by innovators of today's top emerging technologies. Most IEEE conferences follow a paper-selection process and many have peer-review procedures



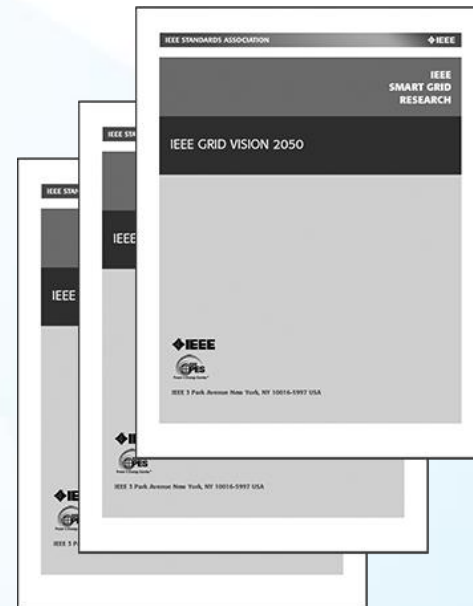
The IEEE conference collection continues to grow

Now over 1,400 annual conferences.
Over 2.5 million total papers.



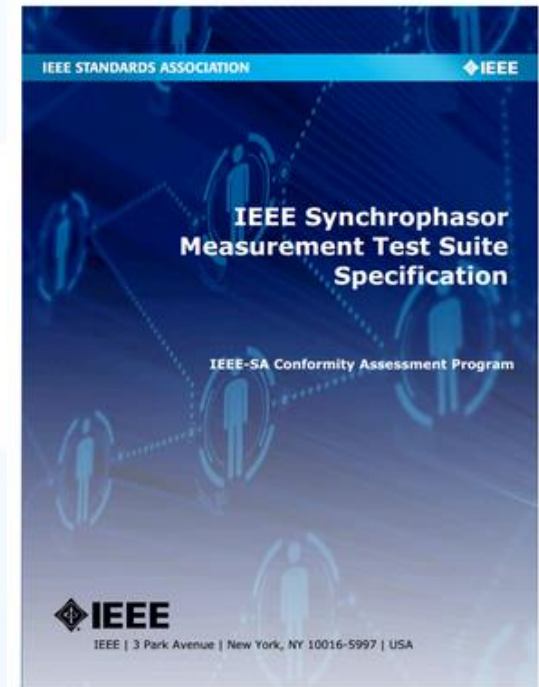
IEEE Smart Grid Research

- A collaborative effort that leverages the work of over 100 industry experts and pioneers in the field to share a view of the future of smart grid as far as 2030 and beyond. These insights are essential to business planning, research, and reference.
- It provides detailed long-term and short-term projections of smart grid industry evolution, technology challenges and opportunities, and areas requiring additional research to help you prepare for what is to come.
- Focused on five technology sectors:
 - Power, Computing, Communications, Control Systems, Vehicle Technology
- Each Technology Bundle includes:
 - Long-term vision document
 - Reference model
 - Roadmap



IEEE Synchrophasor Measurement Test Suite Specification (TSS)

- The TSS is a test specification required to design phasor measurement unit products (PMU)
- Provides a comprehensive, dependable plan that any manufacturer globally can use in the design stage to test their PMU products for eventual certification of IEEE C37.118.1™*
- Essential to many organizations working in smart grid technology.
- **Who needs the TSS?**
 - Utilities companies worldwide
 - PMU manufacturers
 - Traditional meter companies making the transition to Smart Grid technology
 - Small startups who are eager to capitalize on the market
 - Universities with a strong power engineering program & strong partnerships with industry



Why are Synchrophasors so important?

- **Synchrophasors** are considered one of the most important measuring devices in the future of power systems.
- A mailbox-sized, monitoring device that can measure the instantaneous voltage, current & frequency at specific locations on the grid
- They give operators a near-real-time picture of what is happening on the system and allows them to make decisions to prevent power outages.
- By providing more accurate and timely data on system limits, synchrophasors make the grid more reliable and efficient, ultimately reducing planning and operations costs.



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 - Journal of Systems Engineering and Electronics from the Beijing Institute of Aerospace Information
 - VDE Conference Proceedings
 - MIT Press
 - Morgan & Claypool



Bell Labs Technical Journal Now Available IEEE *Xplore*

The in-house scientific journal for scientists of Bell Labs/Alcatel-Lucent

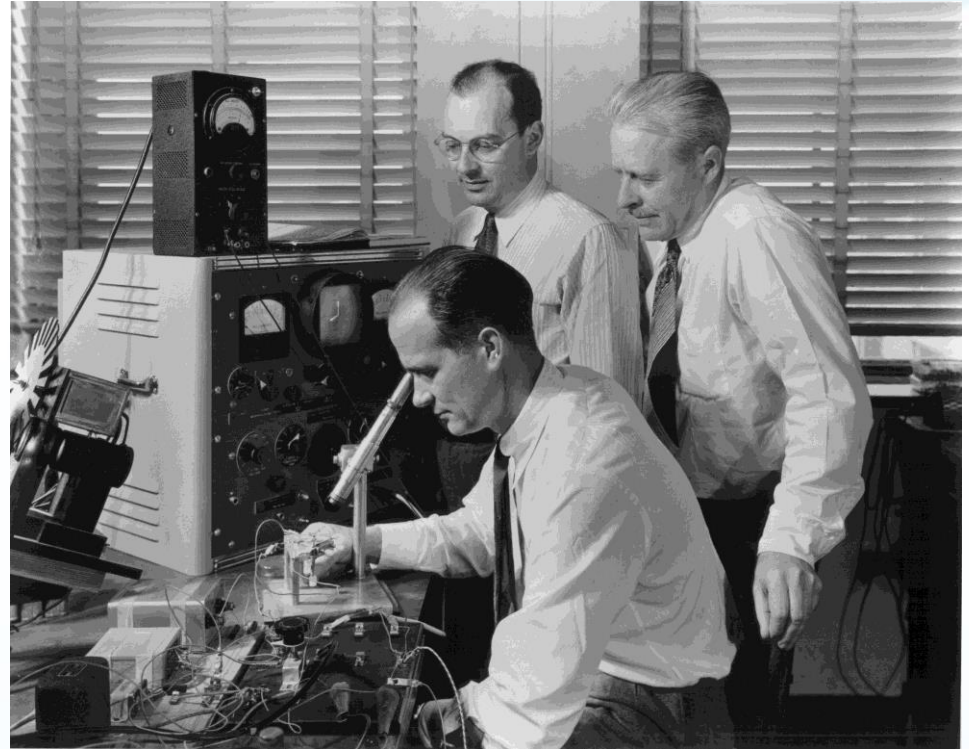
- Delivered via IEEE *Xplore*
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- Peer-reviewed scientific journal for the global research and technical community
- A selected list of 40 seminal articles from the backfile now available for free on IEEE *Xplore*



Historic content from BLTJ

Volume 28, 1949

- Invention of the first Transistor
- Fundamental building block of modern electronic devices
- Research won a Nobel Prize in 1947
 - William Shockley
 - John Bardeen
 - Walter Brattain



Historic content from BLTJ



Volume 42, 1963

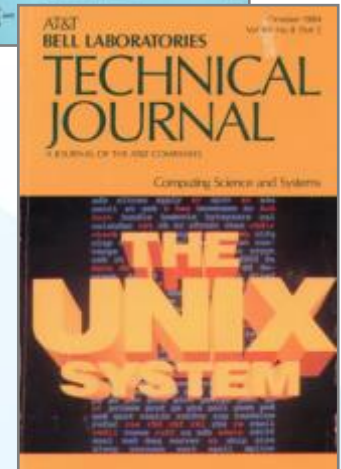
- Telstar
- World's first active communications satellite
- Was able to transmit television signals and collect data on radiation in space

Other Seminal Papers from Bell Labs

- The Unix-Time Sharing System (1978)
 - The original paper describing the Operating System
- A mathematical theory of communication (1948)
 - Defined the field of information theory
- In-Band Single-Frequency Signaling (1954)
 - Enabled the famous “Blue Boxes”
- Number One Electronic Switching System (1964)
 - The first stored-program telephone switch, a technological marvel of its day
- The Cellular Concept (1978)
 - Plan to create mobile telephone service on a large scale



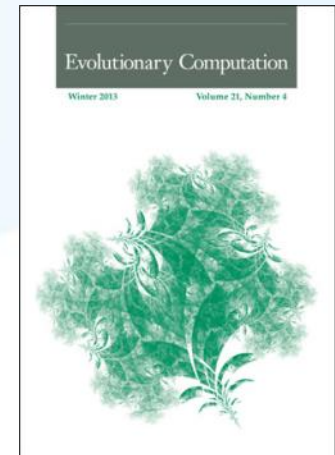
THE BELL SYSTEM TECHNICAL JOURNAL	
JULY-AUGUST 1978 VOL. 57, NO. 8, PART 2	
THE UNIX-TIME SHARING SYSTEM	
D. M. Dorian	1067
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Computer & Engineering Collection

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 - Cognitive Neuroscience
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- Proceedings from the Annual SMPTE Technical Conference & Exhibition – more than 2,000 papers
- Peer-reviewed SMPTE Motion Imaging Journal – more than 20,000 articles

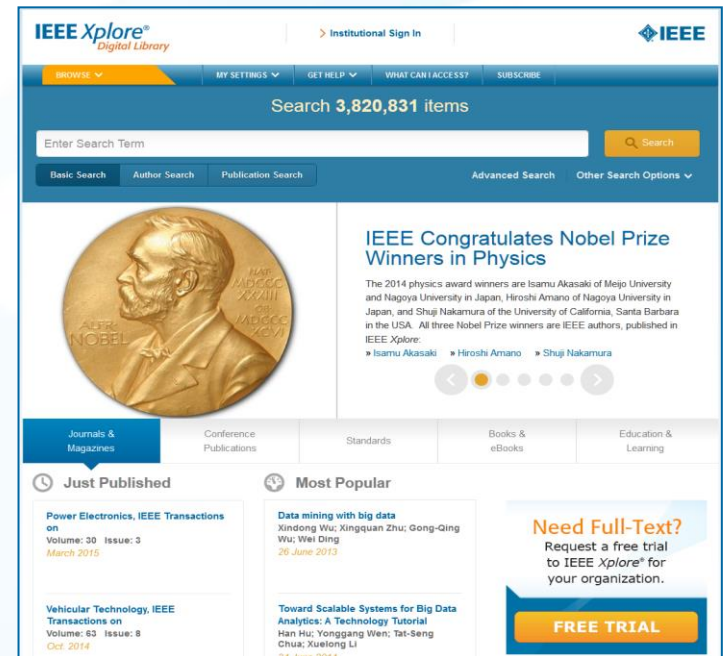
Available as subscription add-ons
Perpetual access options available



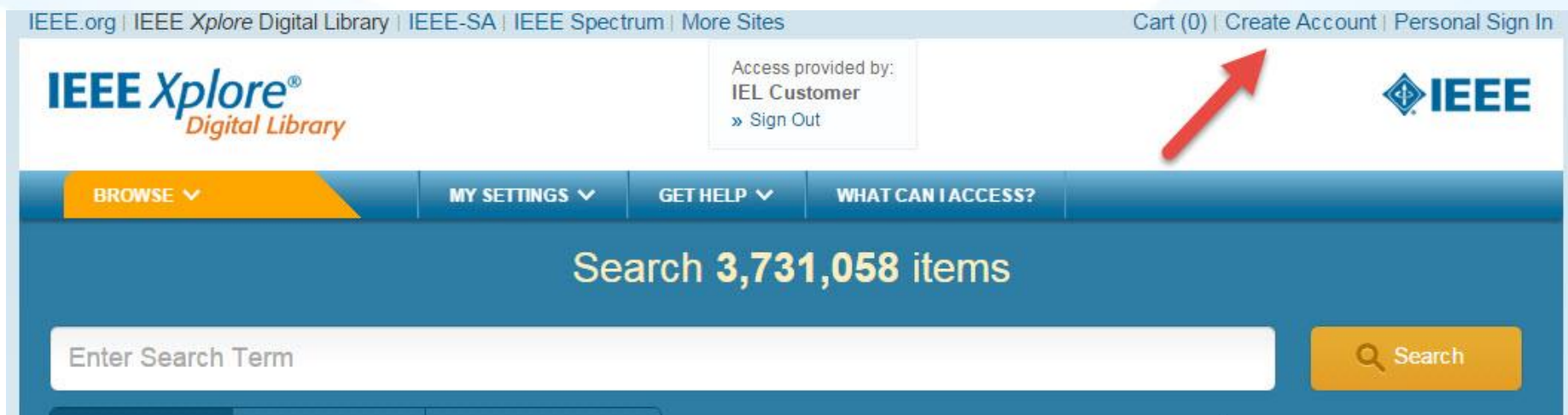
Recent enhancements to IEEE Xplore

IEEE Xplore now provides:

- Multiple authentication options for onsite, remote, and mobile users
- Enhanced interactive HTML format with ability to view and copy equations and mathematical formulas multiple formats
- New collaboration tools
- And much more....



Create a free personal account



Why use a IEEE Xplore Personal Account?

- Search preferences
- Set-up search and content alerts
- Use search history
- Enable remote access feature & more...

The screenshot shows a web interface for creating an IEEE account. On the left, a 'Create an IEEE Account' section asks if the user has an account and lists benefits like single sign-in, membership management, discounts, and profile personalization. It includes a 'CREATE ACCOUNT' button and a 'Cancel' link. On the right, a 'SIGN IN' modal is open, featuring input fields for 'Username' and 'Password', a 'SIGN IN' button, and links for 'Forgot username or password', 'Other Authentication Options', and 'Institutional Sign In'. The bottom of the page has navigation tabs for 'Conference', 'Standards', and 'Books &'. The IEEE logo is in the bottom right corner.

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Conference Standards Books &

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process – just
fill out your
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Last Name,
email address,
password and
two security
questions.**

Personal account benefits

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- **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.
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(formerly My Projects)

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- To initiate:
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Enter Search Term **Search**

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

Remote Access



Institutional Authentication

Personal Sign In is required to establish roaming access. [Personal Sign In](#)

ESTABLISH REMOTE ACCESS

Select Establish Remote Access to pair mobile device

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Institutional Authentication

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Enter Search Term

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You must be authenticated within your Institution's IP range to refresh remote access. This feature allows you to access full-text on a mobile device for up to 90 days. Note: To connect remotely, you must use the same device and browser used to refresh access.

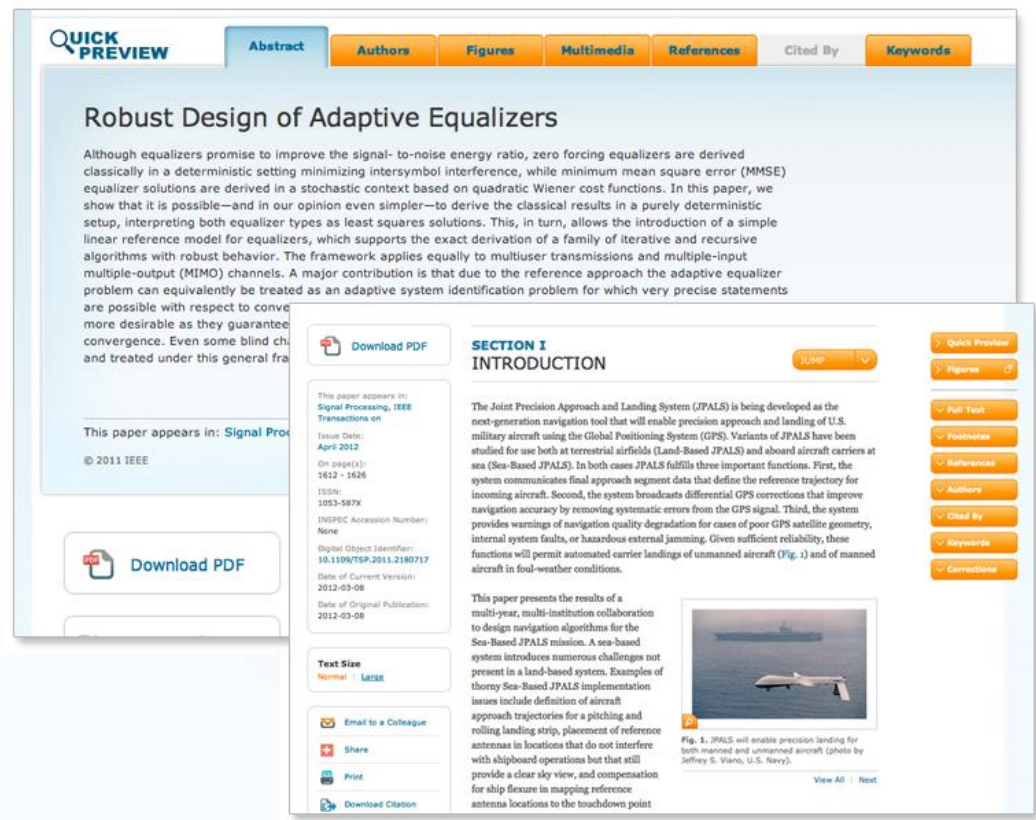
REFRESH REMOTE ACCESS

Remote Access

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- Institution must have WiFi available to their users and have added the WiFi IP address to their IEEE account authentication
- There is no limit to the number of devices a user can pair, but each individual device and browser on the device will need to be paired uniquely
- User must create/use their IEEE personal account to pair device as well as use the subscription on the paired device

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Intuitive navigation and interaction with full-text HTML

SECTION III

OCEANOGRAPHY SCIENCE AND APPLICATIONS

A. Previous Work and Limitations of F

Satellite altimetry measurements of ocean surface the 1980s: Seasat, Geosat, ERS-1, ERS-2, TOPEX/Jason-2. These measurements have led to dramatic of oceanography [33]. For instance, the TOPEX/P demonstrated an average rise of global sea level of TOPEX/Poseidon OST measurements level and their relations to the heat stor TOPEX/Poseidon were used to study the event in historical context [36]. Because between the OST variability and the ph OST measurements into ocean circulation global ocean circulation patterns [38]. (scientific predictive capabilities. For in

JUMP

I. Introduction

II. Hydrology Science and Applications

III. Oceanography Science and Applications

IV. Swot Ka-Band Radar Interferometer (Karin)

V. Conclusion

> Quick Preview

> Figures

< Full Text

∨ Footnotes

∨ References

QUICK PREVIEW

Abstract

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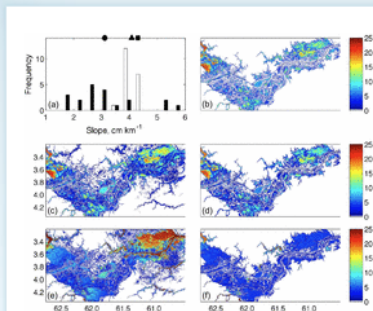


Fig. 4.

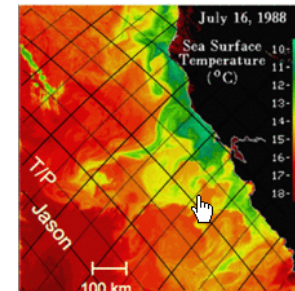


Fig. 5. Sea surface temperature from the AVHRR instrument. Tracks from the TopeX/Poseidon and Jason radar altimeters are also shown.

▶ View in Context
▶ View Hi-Res Image
▶ View All Figures

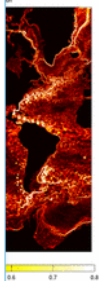


Fig. 6.

< . . . > View All

3.1 Formulation of Feature Combination

As discussed in Section 2, we treat the set of all possible appearances of the image patch surrounding a keypoint as a class. Therefore, given the patch surrounding a keypoint detected in an image, our task is to assign it to the most likely class. Let c_i , $i = 1, \dots, H$, be the set of classes and let f_j , $j = 1, \dots, N$, be the set of binary features that will be calculated over the patch that we are trying to classify. Formally, we are looking for

$$\hat{c}_i = \operatorname{argmax}_{c_i} P(C = c_i \mid f_1, f_2, \dots, f_N),$$

► View Source ⓘ

where C is a random variable that represents the class. Bayes' formula yields

$$\begin{aligned} P(C = c_i \mid f_1, f_2, \dots, f_N) \\ = \frac{P(f_1, f_2, \dots, f_N \mid C = c_i)P(C = c_i)}{P(f_1, f_2, \dots, f_N)}. \end{aligned}$$

► View Source ⓘ

Assuming a uniform prior $P(C)$, since the denominator is simply a scaling factor that is independent from the class, our problem reduces to finding

$$\hat{c}_i = \operatorname{argmax}_{c_i} P(f_1, f_2, \dots, f_N \mid C = c_i). \quad (1)$$

where C is a random variable that represents the class. Bayes' formula yields

$$P(C = c_i | f_1, f_2, \dots, f_N)$$

$$= \frac{P(f_1, f_2, \dots, f_N | C = c_i) P(C = c_i)}{P(f_1, f_2, \dots, f_N)}$$

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Assuming a uniform prior $P(C)$, since the denominator is simply a scaling factor that is independent from the class, our problem reduces to finding

where C is a random variable that represents the class. Bayes' formula yields

$$P(C = c_i \mid f_1, f_2, \dots, f_N)$$

$$= \frac{P(f_1, f_2, \dots, f_N \mid C = c_i)}{P(f_1, f_2, \dots, f_N)}$$

► [View Source](#) ?

Assuming a uniform prior $P(C)$, since the denominator is simply a scaling factor that is independent from the class, our problem reduces to finding

$$\hat{c}_i = \underset{c_i}{\operatorname{argmax}} P(f_1, f_2, \dots, f_N \mid C = c_i).$$

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Content Type ^

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- ☐ Journals & Magazines (21)

Year ^

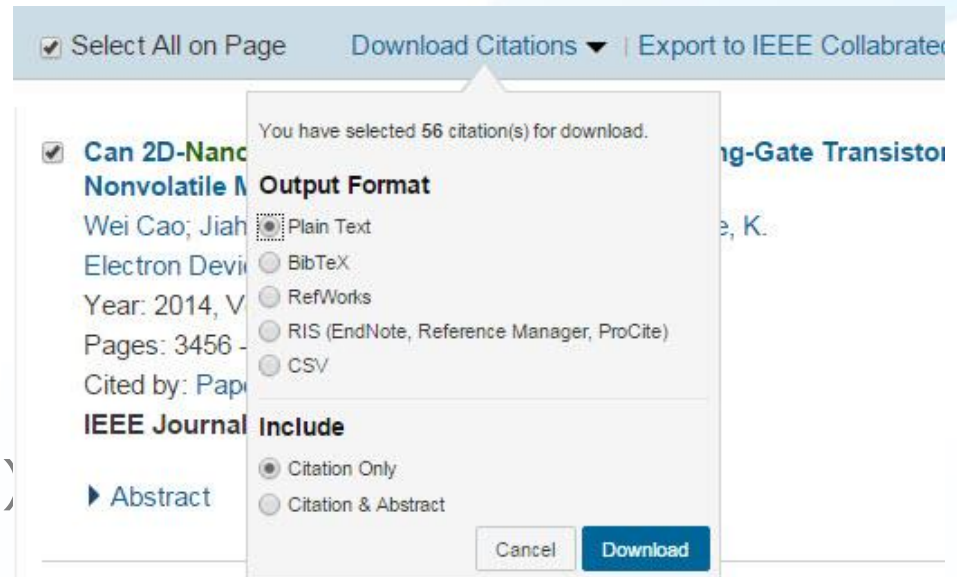
Single Year Range

☒ **Can 2D-Nanocrystals Extend the Lifetime of Floating-Gate Transistor Based Nonvolatile Memory?** 
Wei Cao; Jiahao Kang; Bertolazzi, S.; Kis, A.; Banerjee, K.
Electron Devices, IEEE Transactions on
Year: 2014, Volume: 61, Issue: 10
Pages: 3456 - 3464, DOI: 10.1109/TED.2014.2350483
Cited by: Papers (1)
IEEE Journals & Magazines
[Abstract](#) [\(\(html\)\)](#)  (2441 Kb) 

☒ **Memory property of APTMS-mediated Au-SiO2 core-shell nanocrystal memory** 
Sheng-Fu Huang; An-Ching Hsiao; Fu-Ken Liu; Ching-Chich Leu
Nanoelectronics Conference (INEC), 2013 IEEE 5th International

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1	http://iee	#####																
2	Document	Authors	Author Aff	Publicatio	Date Added	Year	Volume	Issue	Start Page	End Page	Abstract	ISSN	ISBN	EISBN	DOI	PDF Link	Author Key	IEEE Term
3	Memory p	Sheng-Fu	Dept. of C	Nanoelec	20130221	2013			185	186	Conventic	2159-3523	978-1-467	978-1-467	10.1109/IT	http://iee	Conferen	(annealing 3-a
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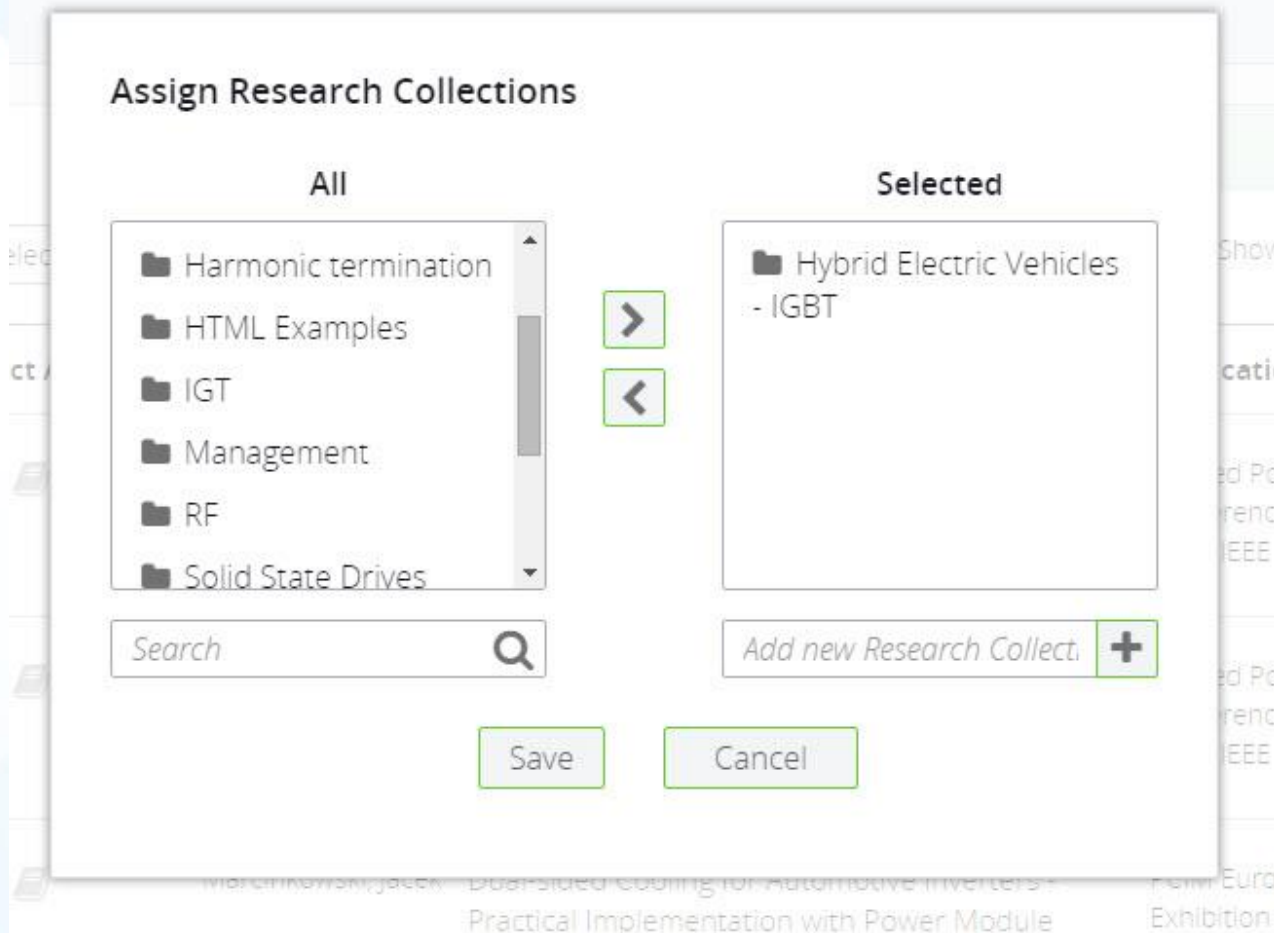
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Ganesh, Anand ; Munsil, Donald J. ; Sullivan, Gary J. ; Evans, Glenn F. ; Sadhwani, Shyam ; Estrop, Stephen J. , "Accelerated video encoding" , Patent No. 8654842 

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Inventors:
Ganesh, Anand ; Munsil, Donald J. ; Sullivan, Gary J. ; Evans, Glenn F. ; Sadhwani, Shyam ; Estrop, Stephen J.

Abstract:
A video encoding acceleration service to increase one or more of the speed and quality of video encoding is described. The service acts as an intermediary between an arbitrary video encoder computer program application and arbitrary video acceleration hardware. The service receives one or more queries from the video encoder to identify implementation specifics of the video acceleration hardware. The service interfaces with the video acceleration hardware to obtain the implementation specifics. The service communicates the implementation specifics to the video encoder. The implementation specifics enable the video encoder to: (a) determine whether one or more of speed and quality of software encoding operations associated with the video encoder can be increased with implementation of a pipeline of one or more supported encoding pipeline configurations and capabilities, and (b) implement the pipeline by interfacing with the service.

Assignee:
MICROSOFT CORP

Filing Date:
February 09, 2007

Grant Date:
February 18, 2014

Patent Classes:
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Shults, M.C. ; Rhodes, R.K. ; Updike, Stuart J. ; Gilligan, B.J. ; Reining, W.N.

Biomedical Engineering, IEEE Transactions on

Volume: 41 , Issue: 10

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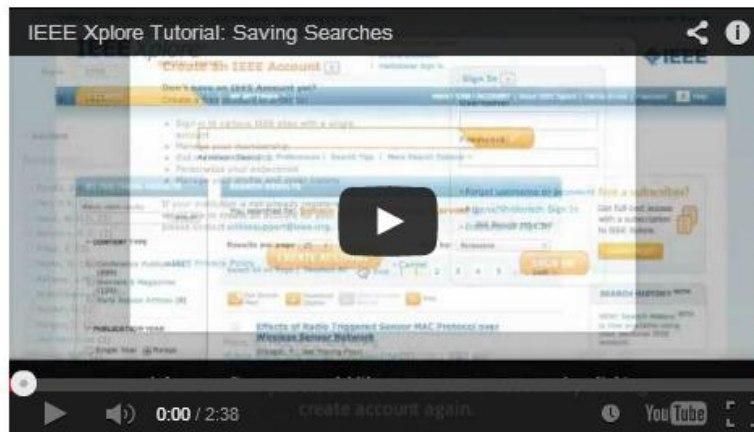
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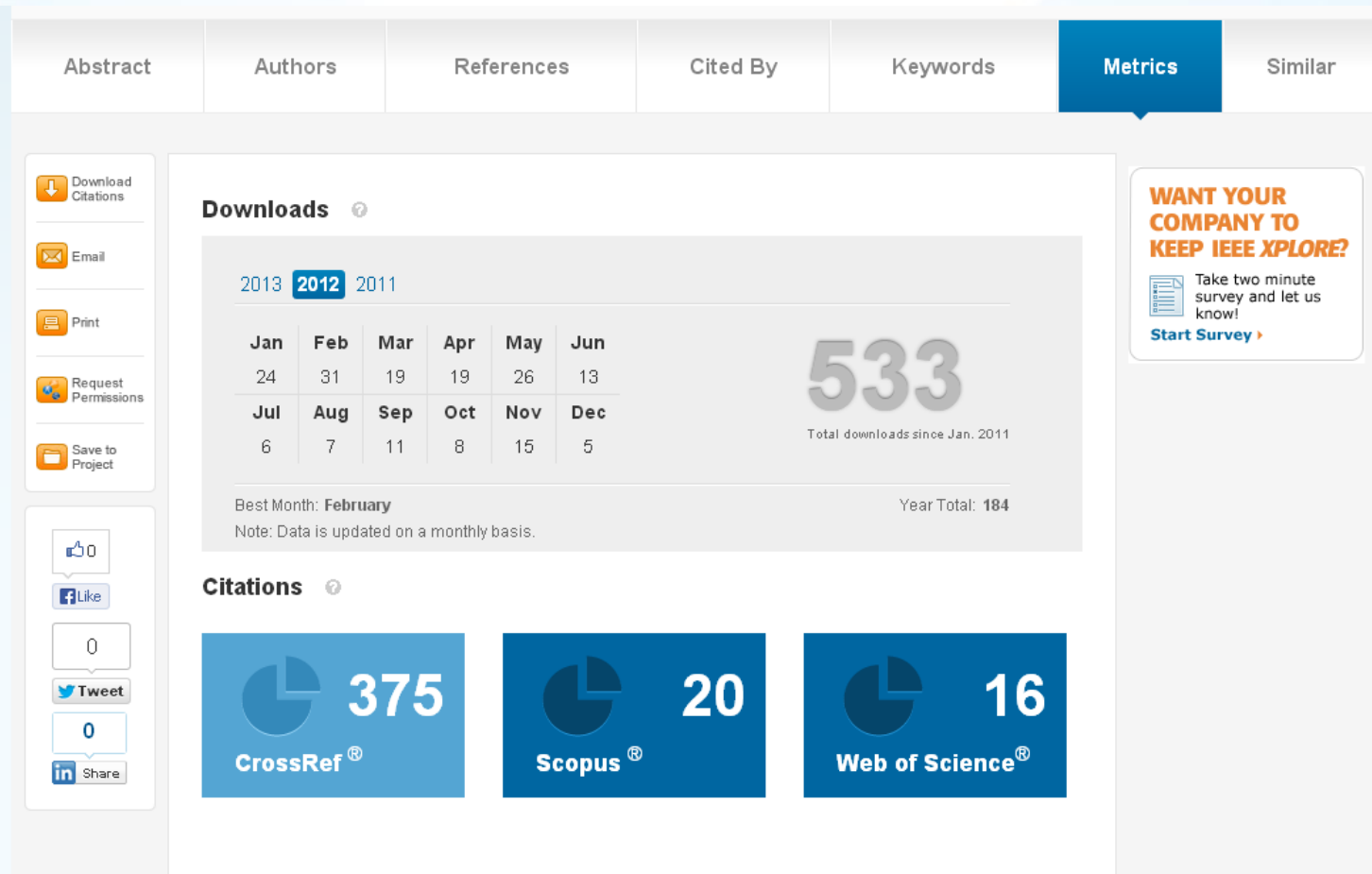
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Electron Device Letters, IEEE
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Communications Magazine, IEEE
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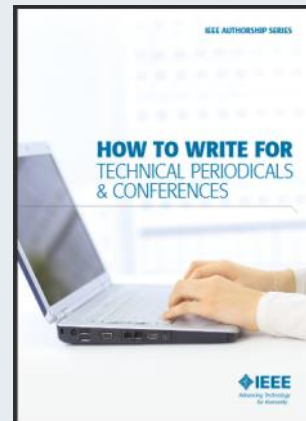
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The elevation of the ocean surface has been measured for over two decades from spaceborne altimeters. However, existing altimeter measurements are not adequate to characterize the dynamic variations of most inland water bodies, nor of ocean eddies at scales of less than about 100 km, notwithstanding that such eddies play a key role in ocean circulation and climate change. For terrestrial hydrology, in situ and spaceborne measurements of water surface elevation form the basis for estimates of water storage change in lakes, reservoirs, and wetlands, and of river discharge. However, storage in most inland water bodies, e.g., millions of Arctic lakes, is not readily measured using existing technologies. A solution to the needs of both surface water hydrology and physical oceanography communities is the measurement of water elevations along rivers, lakes, streams, and wetlands and over the ocean surface using swath altimetry. The proposed surface water and ocean topography (SWOT) mission will make such measurements. The core technology for SWOT is the Ka-band radar interferometer (KaRIN), which would achieve spatial resolution on the order of tens of meters and centimetric vertical precision when averaged over targets of interest. Average revisit times will depend upon latitude, with two to four revisits at low to mid latitudes and up to ten revisits at high latitudes per ~20-day orbit repeat period.

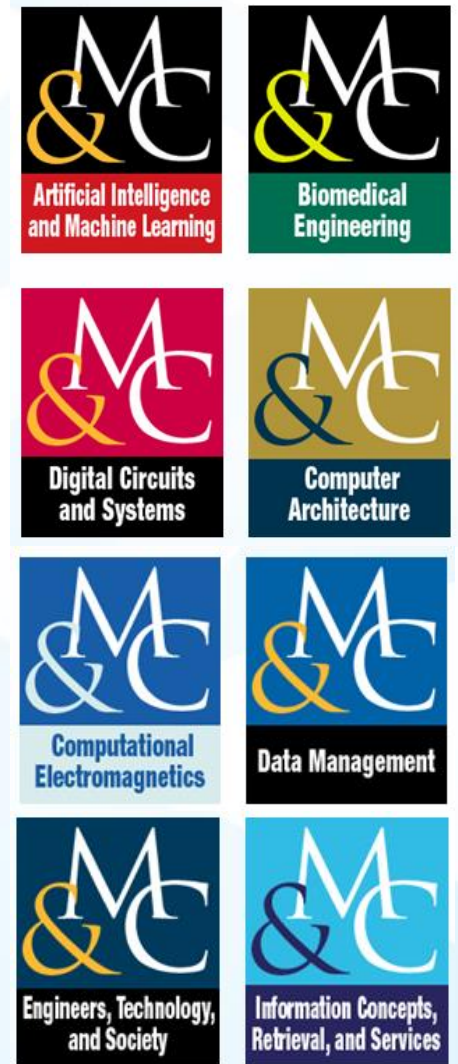
This paper appears in: [Proceedings of the IEEE](#), Issue Date: [May 2010](#), Written by: Durand, M.; Lee-Lueng Fu; Lettenmaier, D.P.; Alsdorf, D.E.; Rodriguez, E.; Esteban-Fernandez, D.

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2012 National Electrical Safety Code® (NESC®)—Sets the ground rules for practical safeguarding of persons during the installation, operation, or maintenance of electric supply and communications lines and associated equipment.

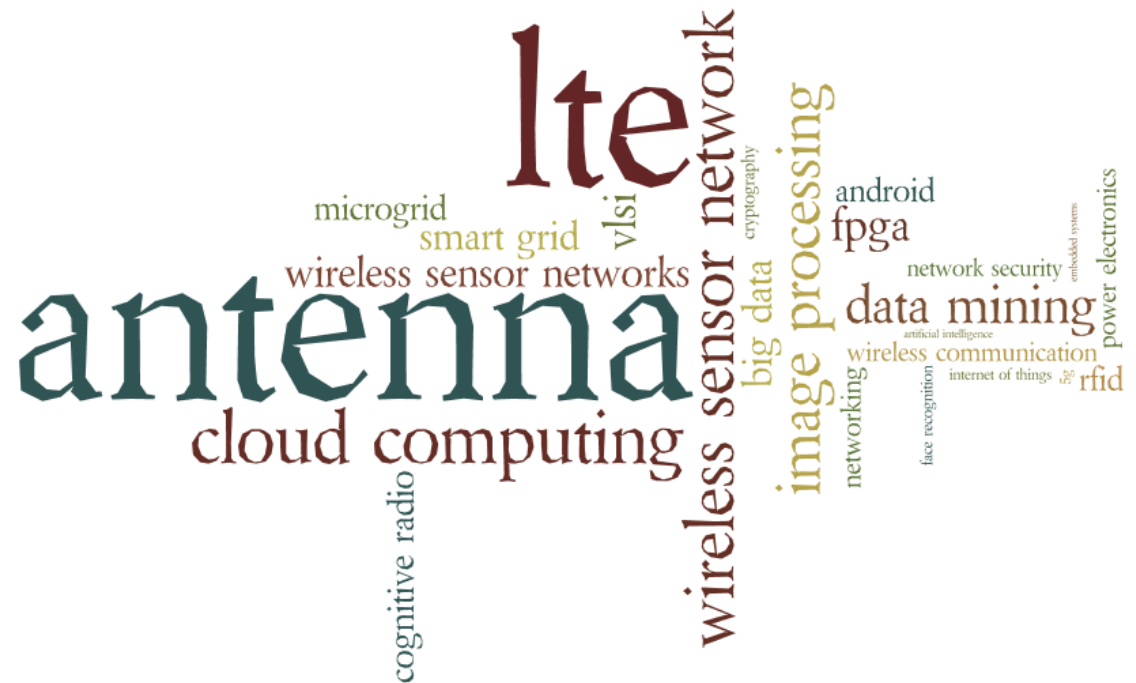
IEEE 43™—IEEE Recommended Practice for Testing Insulation Resistance of Electric Machinery

IEEE 80™—IEEE Guide for Safety in AC Substation Grounding

IEEE 81™—IEEE Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System

Top Internal Search Terms 2014

Rank	Search Term
1	cloud computing
2	image processing
3	data mining
4	big data
5	network security
6	wireless sensor networks
7	android
8	smart grid
9	power electronics
10	antenna
11	internet of things
12	vlsi
13	networking
14	artificial intelligence
15	wireless communication
16	5g
17	cryptography
18	rfid
19	cognitive radio
20	fpga
21	embedded systems
22	wireless sensor network
23	microgrid
24	face recognition
25	lte



Source: NetInsight

Key Themes Defining The Future

Openness and Interoperability

- Ease of data accessibility
- Outside & inside innovation
- New applications and tools

“Segment of One” User Experiences

- Know who I am
- Know what I want
- Give it to me the way I want

Collaboration and Networking

- Help me connect with others
- Give me access to experts
- Help me be more productive



How does IEEE listen to its customers?

- IEEE Library Advisory Council
- Requests to the IEEE Online Support team
- Feedback from the field, report back to IEEE
- CSM trainings at customer sites
- Questions & requests to CSMs
- Engineering and library conferences
- Customer surveys
- Volunteer leadership



IEEE New Initiatives in Scholarly Communication

IEEE and Open Access

- Authors seek maximum exposure for their groundbreaking research and application-oriented articles.
- Open access makes their research freely available to all reader communities.
- IEEE provides 3 open access publishing options to meet the varying needs of authors throughout their careers:
 - Fully OA topical Journals (several in topics such as Photonics, Computing, Translational Eng, Electron Devices)
 - Hybrid Journals (100+)
 - IEEE Access Megajournal



IEEE Open Access Opportunity for Institutions



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- Help authors, funding agencies, academic institutions and others gain maximum exposure for their research and the research they fund
- Reduced article processing charge (APC) will make it easy for authors to participate in all IEEE OA publishing models:
 - IEEE Access Mega Journal, Hybrid or Topical Journals
- Organizations can choose from two plans:
 - **IEEE Open Access Deposit Account** – organization funds full payment of the APC, easy for authors & encourages OA
 - **IEEE Open Access Partner Discount** – organization funds a discount of APC, author pays the rest
- Contact your Account Manager for more information
- For more information **<http://open.ieee.org>**

IEEE & Data Conservancy

- In May 2014, the Data Conservancy, in partnership with IEEE and Portico, have been awarded a grant to link publications with data.
- Now a significant grant from the Alfred P. Sloan Foundation will support the creation of a service to do just that.
- This service will help preserve the myriad relationships that often exist between and among scholarly and scientific publications and associated datasets.

“We believe that the models developed as a result of this project will enable new forms of scholarly communication, and thus help to set the stage for the future of research and digital publishing.”

- Sayeed Choudhury, associate dean for research data management and Hodson director of the Digital Research and Curation Center at the Sheridan Libraries of Johns Hopkins University

Read the Press Release:

<http://www.portico.org/digital-preservation/news-events/news/the-data-conservancy-ieee-and-portico-receive-alfred-p-sloan-foundation-grant-to-connect-publications-and-their-linked-data>

IEEE and ORCID



- ORCID is an open, non-profit, community-driven effort to create and maintain a registry of **unique researcher** identifiers and a transparent method of linking research activities and outputs to these identifiers.
- It is a hub that **connects researchers and research** through the embedding of ORCID identifiers in key workflows, such as research profile maintenance, manuscript submissions, grant applications, and patent applications.
- ORCID provides two core functions:
 - (1) a registry to obtain a unique identifier and manage a record of activities, and
 - (2) APIs that support system-to-system communication and authentication

IEEE and ORCID



- IEEE is working actively with ORCID on the following collaborations and development projects:
 - IEEE Member Profile Management Portal
 - IEEE Author Gateway
 - IEEE Conference Submission Systems
 - IEEE *Xplore* Digital Library – Author Publication Page
- All projects at various stages of development. For more info, see Renny Guida, IEEE Dir. of Prod Mgmt. (r.guida@ieee.org)

Who relies on IEEE information?

Core groups

Rely on speed, versatility, and ease of managing a lot of information

- Faculties
- Students from Engineering to Humanities
- Research & Development Teams
- Engineering Work Groups



More than just R&D

Depend on intuitive access to exactly what they need, when they need it

- Competitive Intelligence Units
- Patents and Intellectual Property Groups
- Legal Departments
- Product Management
- Information Technology (IT) Groups
- Licensing & Business Development
- Human Resources Hi-Tech Recruiters
- Investment Research Analysts

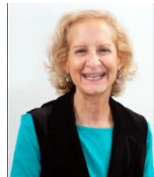
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Director, IEEE Client Services
Oregon and international locations



Dhanukumar Pattanashetti, B.E., MLISc
IEEE Client Services Manager
 India, Bangladesh and Sri Lanka; Indian Institute of
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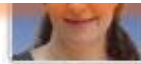
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IEEE – The top-cited publications in the field

Each year, the Thomson Reuters Journal Citation Reports® (JCR) examines the impact of academic journals by determining how often journal articles are cited in later research.

The 2014 JCR study, released in July 2015, shows that IEEE publications continue to rank at the top in citations on technology.



Examples of New IEEE Conferences in 2014



- **Internet of Things** (WF-IoT), 2014 IEEE World Forum on
- **Humanitarian Technology** Conference, (IHTC), 2014 IEEE Canada International
- Aerospace Electronics and Remote Sensing Technology (ICARES), 2014 IEEE International Conference on
- Antenna Measurements & Applications (CAMA), 2014 IEEE Conference on
- Consumer Electronics, Taiwan (ICCE-TW), 2014 IEEE International Conference on
- Energy Conversion (CENCON), 2014 IEEE Conference on
- Ethics in Science, Technology and Engineering, 2014 IEEE International Symposium on
- **Transportation Electrification** Asia-Pacific (ITEC Asia-Pacific), 2014 IEEE Conference and Expo
- **Intelligent Energy** and Power Systems (IEPS), 2014 IEEE International Conference on
- Quantum Optics Workshop (QOW), 2014
- Sensor Systems for a Changing Ocean (SSCO), 2014 IEEE
- Wireless and Mobile, 2014 IEEE Asia Pacific Conference on
- Industrial Engineering and Information Technology (IEIT), 2014 International Conference on
- Guidance, Navigation and Control Conference (CGNCC), 2014 IEEE Chinese

Examples of New IEEE Standards in 2014

IEEE 802®–2014—IEEE Standard for **Local and Metropolitan Area Networks**: Overview and Architecture

IEEE 1127™–2013—IEEE Guide for the Design, Construction, and Operation of **Electric Power Substations** for Community Acceptance and Environmental Compatibility

IEEE 1361™–2014 —IEEE Guide for Selecting, Charging, Testing, and Evaluating Lead-Acid Batteries Used in Stand-Alone **Photovoltaic (PV) Systems**

IEEE 1609.0™–2013 - IEEE Guide for **Wireless Access in Vehicular Environments** (WAVE) – Architecture

IEEE 1683™ –2014 - IEEE Guide for Motor Control Centers Rated up to and including 600 V AC or 1000 V DC with Recommendations Intended to Help **Reduce Electrical Hazards**

IEEE 1716™ –2014 - IEEE Recommended Practice for **Managing Natural Disaster Impact** on Key Electrical Systems and Installations in Petroleum and Chemical Facilities

IEEE 1782™–2014 - IEEE Guide for Collecting, Categorizing, and Utilizing Information Related to **Electric Power Distribution Interruption Events**

TRENDING
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Abstract pages provide more information on the article level

