## Techniques for effective searching with IEEE Xplore

#### Eszter Lukács

Client Services Manager Europe







### 1884: Where we came from





### **About the IEEE**

World's largest technical membership association with more than 430,000 members



- IEEE Xplore by the numbers:
  - Nearly 4 million total documents
  - Over 3 million unique users
  - More than 8 million downloads per month
  - 15 year anniversary in 2015!

IEEE Day Contest Winner, Colombia



#### IEEE R8 Russia Siberia Section

Home Officer Roster Other Units Links

IEEE R8 RSS

#### Welcome

Institute of Electrical and Electronics Engineers (IEEE) Russia Siberia Section has been established on 13 February 2003. Section has the strong potential for membership growth through its big cities at Ural (in the order of population decreasing: Yekaterinburg, Chelyabinsk, Tyumen, etc.), Siberia (Novosibirsk, Omsk, Krasnoyarsk, Irkutsk, Barnaul, Novokuznetsk, Kemerovo, Tomsk, Ulan-Ude, Chita, etc.) and the Far-East (Vladivostok, Khabarovsk, etc.) Federal Districts of Russia.

IEEE R8 Russia Siberia Section in social media:

B vk.com/ieeesiberia

in linkedin.com/groups/8451907

#### Announcements

• 2017 Siberian Symposium on Data Science and Engineering (SSDSE)

12-13 Apr 2017 Technopark of Novosibirsk Akademgorodok, Russia

Please see the following for more info: http://ssdse.ieeesiberia.org

#### Topics

- Data Science Data Engineering Stream Data Analytics & the Internet of Things Internet Traffic Classification Machine Learning
- Artificial Intelligence
   General Artificial Intelligence
   Kernel functions
- Q-learning NLP with Deep Neural Networks Object Tracking •
- Face Recognition Demand Forecasting Mobile Deep Neural Networks •
- Semantic Programming Feature Engineering

#### Томская группа и студенческое отделение Института инженеров по электротехнике и радиоэлектронике



English	Конфере	нции О гр	уппе	Курсы	Книги	Статьи	Фотографи	и Вступить	Контакты	Домой
Институт инж по электроте радиоэлектро (IEEE) История созд IEEE	хнике и онике С ания н	основанный в вляясь обще е ограничива	з 1884 году ественной ается. В на	и в США, Ин профессиона астоящее вр	ститут IEEE об альной органи емя в IEEE сос	њединяет спе зацией. IEEE стоит более 4	ециалистов в об имеет всемир 10 000 челове	ый статус, а чле	<b>(IEEE)</b> строники и смежн енство в IEEE тер это самое больше	ориториально
Как вступить Сферы деяте обществ IEEE Степени и зв IEEE Общество свя по-русски	льности ания в	ехническое г	трофессион	нальное обш		}	елей. Главная цель IEEE – информацис материальная поддержка специалист организации и развития научной деятел электротехнике, электронике, компьютерно и информатике, приложение их результ	истов для ательности рной техник		
Томская груп	na IEEE		Society	/		gion	членов новей.	IEEE. Получен		нформации работках
Томское студенческое отделение IE Группа моло/	EE	-	Chapte	er	Studen	t Branch	только	благодаря IEEE. организационно		структуры

**Geographical Division** 

Группа молодых инженеров Сибирской секции IEEE

Join the IEEE!

Сибирская секция IEEE 💫 Секции (не менее чем 4 групп) 💫 Регионы (более чем 4 секции)

**Division into Application Areas** 

IEEE организационно содержит две структуры географическую и техническую. Географически IEEE подразделяется на:

Научные группы (не менее чем 12 членов)



### **Career Development Resources and Opportunities for student members**

#### **IEEE Job Sites and Career Alerts**

- Locate career opportunities easily and confidentially
- Weekly email newsletter containing career advice

#### **IEEE Xplore**

Learn to use IEEE Xplore for company, career, and job related searches

#### Awards, Fellowships & Scholarships

- Recognizes the accomplishments of IEEE members
- Enhance your resume with an IEEE award

#### **Conferences**

- Networking and Presenting Opportunities
- Student Paper Contests





Senior Research Athlone, Ireland Ericsson Ireland

Electrical Engineer Palmetto, FL ITW GSE Group -Trilectron

Electromagnetic Research Scientist Champaign, IL

Automation/Controls Engineer (Robotics) Carlsbad, CA 92008 **Callavay** Golf Company

Aerospace Engineer Hampton, VA

Cost Engineer/Cost Manager Washington, DC 20560-0908 Smithsonian Institution

Staff Equipment Engineer Santa Clara, CA Affyrnebix, Inc.



# Why you should rely on IEEE information



### IEEE quality makes an impact

Thomson Reuters Journal Citation Reports<sup>®</sup> by Impact Factor

#### **IEEE publishes:**

17 of the top 20 journals in Electrical and Electronic Engineering
14 of the top 15 journals in Telecommunications
3 of the top 5 journals in Computer Science, Hardware & Architecture
3 of the top 5 journals in Computer Science, 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 Imaging Science & Photographic Technology

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 2015 study released June 2016 More info: www.ieee.org/citations



### **IEEE/IET Electronic Library (IEL)**

Your single source of more than 30% of the world's current literature in electrical engineering, electronics, and computer science.





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

- Nearly four million full text
   documents
- 179 IEEE journals & magazines
- 1400+ annual IEEE
   conferences + 43 VDE
   conferences
- More than 2800 IEEE standards (active, archived. redlines) + IEEE Standard Dictionary
- 20 IET conferences, 26 IET journals & magazines

- Bell Labs Technical Journal (BLTJ) back to 1922
- Backfile to 1988, select legacy data back to 1872
- Inspec index records for all articles



### **IEEE and Patents**



### **IEEE Leads US Patent Citations**

#### **Top 20 Publishers Referenced Most Frequently by Top 40 Patenting Organizations**

		IEEE							
Reed/Elsevier/Pergamon/Acad	demic Press/Saunders								
Association for Computing Machir	nery (ACM)								
American Institute of Physics (AIP/AVS)									
3GPP General Partnership Project Standards Body									
Society for Information Display (SID)	IEEE is cited								
John Wiley and Sons/Wiley-Verlag/Wiley-Liss									
American Chemical Society (ACS)	American Chemical Society (ACS) <b>over 3x more often</b>								
Springer/Springer Wien/Springer-Verlag/Kluwer									
The Internet Society/IETF-Internet Engineering Task Force									
The International Society for Optics and Photonics (SPIE)									
Joint IEEE and ACM									
Nature Publishing Group									
American Physical Society (APS)									
International Telecommunication Union (ITU)									
Institution of Engineering and Technology (IET/IEE)									
U.S. Department of Energy									
Institute of Pure and Applied Physics (IPAP)									
IEEE/The Japan Society of Applied Physics									
Institute of Electronics, Information and Communication Engineers (I									
50000 100000 150000	200000 250000 300000 350	0000 40000							

Source: 1790 Analytics LLC 2015. Based on number of references to papers/standards/conferences from 1997-2014



### **IEEE Leads European Patent Citations**

**Top 20 Publishers Referenced Most Frequently by Top 25 Patenting Organizations** 



Source: 1790 Analytics LLC 2012, , Science References from 1997-2011

## Technology areas where patents cite IEEE most



Source: 1790 Analytics LLC 2015



### Content on IEEE Xplore Digital Library



### Full text content from all 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 Computational Intelligence Society** 

**IEEE Computer Society** 

**IEEE Consumer Electronics Society** 

**IEEE Control Systems Society** 

**IEEE Dielectrics 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 Product Safety Engineering Society** 

**IEEE Professional Communications Society** 

**IEEE Reliability Society** 

**IEEE Robotics and Automation Society** 

**IEEE Signal Processing Society** 

**IEEE Society on Social Implications of Technology** 

**IEEE Solid-State Circuits Society** 

**IEEE Systems, Man, and Cybernetics Society** 

IEEE Technology and Engineering Management Society NEW in 2015

IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society

**IEEE Vehicular Technology Society** 



**IEEE covers all areas of technology** More than just electrical engineering & computer science MACHINE LEARNING BIG DATA **OPTICS** RENEWABLE ENERGY SEMICONDUCTORS SMART GRID **MAGING** NANOTECHNOLOGY SIGNAL PROCESSING AEROSPACE **HUMAN-CENTERED INFORMATICS COMMUNICATIONS ELECTRONICS BIOMEDICAL ENGINEERING NEXT GEN WIRELESS CIRCUITS CLOUD COMPUTING CYBER SECURITY** ELECTROMAGNETICS **<b>() IEEE** 

### Multidisciplinary Content on IEEE Xplore Digital Library



### **Life Sciences**

- At least eight IEEE publications are dedicated in whole or in part to technology related to Life Sciences.
- Plus, there are more than 90 annual conferences, 20 periodicals and 20 IEEE standards that cover medical device communications.
- In IEEE Xplore, you'll also find coverage of therapeutic devices used in rehabilitation processes, such as physical therapy and devices used to restore movement and function.
- Examples of IEEE publications:
  - IEEE Pulse
  - IEEE Trans. on Biomedical Engineering
  - IEEE Reviews on Biomedical Engineering
  - IEEE Trans. on Neural Systems and Rehabilitation Engineering
  - IEEE Trans. on Information Technology in Biomedicine
  - IEEE Trans. on Medical Imaging
  - IEEE/ACM Trans. on Computational Biology and Bioinformatics
  - IEEE Trans. on Biomedical Circuits and Systems
  - IEEE Trans. on NanoBioscience
  - IEEE Trans. on Autonomous Mental Development.









### **Geoscience and related fields**

- IEEE's geoscience and remote sensing publications cover the fusion of engineering and geoscientific fields including geophysics, geology, hydrology, meteorology, etc.
- In IEEE Xplore, you'll also find information relevant to natural resources engineering and mineral resources engineering, including extensive coverage of technologies related to oil and gas exploration, drilling operations, offshore oil rigs and mining.
- Examples of IEEE publications:
  - IEEE Trans. on Geoscience & Remote Sensing
  - IEEE Geoscience & Remote Sensing Magazine
  - IEEE Geoscience & Remote Sensing Letters
  - IEEE International Symposium Geoscience and Remote Sensing (IGARSS)
  - IEEE Petroleum and Chemical Industry Technical Conference (PCIC)







### **Manufacturing Engineering**

- IEEE's publications cover manufacturing practices and technologies, including the development of systems, processes, machines, and tools.
- In IEEE Xplore, you'll find information on virtual manufacturing, computer integrated manufacturing, agile manufacturing, quality control, robotics and automation, mechatronics, and much more
- Relevant IEEE publications include:
  - IEEE/ASME Transactions on Mechatronics (#1 most cited journal in Engineering - Manufacturing)
  - IEEE Transactions on Components, Packaging and Manufacturing Technology
  - IEEE Transactions on Semiconductor Manufacturing
  - IEEE Transactions on Automation Science and Engineering
  - IEEE Robotics & Automation Magazine
  - IEEE International Symposium on Assembly and Manufacturing
  - International Conference on Digital Manufacturing and Automation
  - e-Manufacturing & Design Collaboration Symposium Electronics Manufacturing Technology Symposium
  - International Conference on System Science, Engineering Design and Manufactur Informatization

#### Advanced E-Manufacturing Model

The Significance of Large-Scale, Distributed, and Object-Oriented Systems

BY FAN-TIEN CHENG, WEN-HUANG TSAI, TSUNG-LI WANG JONATHAN CHANG YUNG-CHENG, AND YU-CHUAN SU

minimum in the above of the second se



### **Digital Art & Technology**

- IEEE Xplore covers the leading edge of computer graphics technology and its applications in everything from business to the arts.
- Topics include computer graphics, design, animation, 3D, user interface, motion graphics, and more
- Examples of IEEE Xplore publications:
  - IEEE Computer Graphics
  - IEEE Trans. On Visualization & Computer Graphics
  - International Conference on Computer-Aided Design & Computer Graphics
  - International Conference on Computer Graphics, Imaging & Visualization
  - International Conference on Image & Graphics





### **Game Design**

- IEEE Xplore covers the design of video games, mathematical games, human-computer interactions in games, and games involving physical objects.
- Topics include game production, computational intelligence, artificial intelligence, simulations, and more
- Examples of IEEE Xplore publications:
  - IEEE Trans. On Computational Intelligence and AI in Games
  - Symposium on Computational Intelligence in Games
  - International Conference on Computer Games
  - International Workshop on Digital Game and Intelligent Toy Enhanced Learning
  - International Symposium on Haptic, Audio, Visual Environments and Games





## With IEEE *Xplore*, learn how technology impacts fields such as...

**Healthcare**: telemedicine, electronic medical records, patient-specific healthcare, cloud computing in the medical field, patient monitoring systems, informatics, and more

IEEE TRANSACTIONS ON INFORMATION TECHNOLOGY IN BIOMEDICINE, VOL. 16, NO. 2, MARCH 2012

185

#### Emerging Technologies for Patient-Specific Healthcare

#### I. INTRODUCTION

**P**ATIENT-SPECIFIC healthcare is a research field that has recently garnered much more attention due to the benefits of better services provided to patients and a reduction of healthcare costs. A series of emerging technologies [1] aim to emphasize the provision of personalized healthcare services to patients [2]–[5]. These include the following.

- Pattern recognition methods for signal pattern classification toward the prediction and diagnosis of diseases.
- 2) Body sensor networks.
- Algorithms for the analysis of patient-specific physiological signals.
- Ontologies and context-based electronic health records (EHRs).

dologies for the integration of

intranuclear spike activity recorded from Parkinson's digease patients.

A new Neural Sensing Healthcare System for 3D Vision Technology, NeuroGlasses, is presented in [7]. NeuroGlasses is a nonintrusive, wearable physiological signal monitoring system to facilitate health analysis and diagnosis of 3-D video watchers. The NeuroGlasses system acquires health-related signals by physiological sensors and provides feedback of healthrelated features. The system employs signal-specific reconstruction and features extraction to compensate the distortion of signals caused by the variation of sensor placement. Through an on-campus pilot study, the experimental results show that NeuroGlasses system can effectively provide physiological information.



In [2] the authors explore how the rhythmogram can be used

## With IEEE *Xplore*, learn how technology impacts fields such as...

**Transportation:** intelligent transportation systems, logistics, supply chain management, and more

Related IEEE Journals & Conferences:

- IEEE Trans. on Intelligent Transportation
   Systems
- IEEE Intelligent Transportation Systems
   Magazine
- IEEE Trans. on Automation Science and Engineering
- IEEE International Conference on Automation and Logistics





### With IEEE *Xplore*, learn how technology impacts fields such as...

**Business & Finance:** information systems, project management, risk management, business informatics, R&D project selection and evaluation, IT investment justification, innovation, and more

#### Read articles by leaders in the field:



#### **Prof. Clayton Christensen** Harvard Business School

"Innovator's Dilemma"

#### Optimal Detection of Sparse Mixtures against a Given Null Distribution

T. Tony Cai and Yihong Wu, Member, IEEE,

Abstract-Detection of sparse signals arises in a wide range of modern scientific studies. The focus so far has been mainly on Gaussian mixture models. In this paper, we consider the detection problem under a general sparse mixture model and obtain explicit expressions for the detection boundary under mild regularity conditions. Moreover, for Gaussian null hypothesis, we establish the adaptive optimality of the higher criticism procedure for all sparse mixtures satisfying the same conditions. In particular, the general results obtained in this paper recover and extend in a unified manner the previously known result on sparse detection far beyond the conventional Gaussian model and other exponential families

Index Terms-Hypothesis testing, high-dimensional statistics, parse mixture, higher criticism, adaptive tests, total variation, Hellinger distance

I. INTRODUCTION

according to  $Ray(\alpha_i)$ , representing the random voltages observed on the *n* channels. In the absence of noise,  $\alpha_i$ 's are all equal to one, the nominal value; while in the presence of signal, exactly one of the  $\alpha_i$ 's becomes a known value  $\alpha > 1$ . Denoting the uniform distribution on [n] by  $U_n$ , the goal is to test the following competing hypotheses:

> $H_0^{(n)}$ :  $\alpha_i = 1, i \in [n]$ , v.s.  $H_1^{(n)}$ :  $\alpha_i = 1 + (\alpha - 1)\mathbf{1}_{\{i=J\}}, J \sim U_n$

Since the signal only appears once out of the n samples, in order for the signal to be distinguishable from noise, it is necessary for the amplitude  $\alpha$  to grow with the sample size n (in fact, at least logarithmically). By proving that the loglikelihood ratio converges to a stable distribution in the large-n limit, Dobrushin [1] obtained sharp asymptotics of the smallest Detection of sparse mixtures is an important problem that  $\alpha$  in order to achieve the desired false alarm and miss detection

**Prof. Tony Cai** The Wharton School of the University of Pennsylvania

# With IEEE *Xplore*, learn how technology impacts fields such as...

## **Liberal Arts**: digital humanities, use of image processing in art conservation, music classification, and more

2012 6th IEEE International Conference on Digital Ecosystems and Technologies (DEST)

#### **TRACK E: DIGITAL HUMANITIES**

#### Track co-Chairs

- Tobias Blanke, Kings College, UK
- Stuart Dunn, King's College London, UK

The digital humanities form a bridge between the traditional practices of scholarship and the opportunities afforded by advances in technology, enabling researchers to reconsider old problems in new ways, and providing the methods, tools and frameworks to support them in developing new modes of enquiry. On the one hand, the humanities are faced with ever greater volumes of complex data and digital resources, for example from the increasing mass digitisation of historical records.

On the other hand, research in the humanities is moving away from the model of individual scholars to one in which international and inter-disciplinary teams of researchers collaborate actively within a diverse ecosystem of digital resources, tools, and services, not forgetting of course the users themselves – the rapid evolution of Web technologies continues to privilege the human as a key agent, both as provider and consumer of content, and this in turn is investing humanities scholarship increasing reness of new autoences.



### With IEEE Xplore, learn how technology impacts fields such as...

Entertainment: computer graphics, animation, 3D, digital motion pictures, laser projectors, and more

Bring	ing Physical Char	acters	to Life						
_	Akhil J. Madhan Walt Disney Imagineering								
	Ray Tracing for the Movie 'Cars'								
	Per H. Christensen*	Julian Fong	David M. Laur	Dana Batali					
Abstract	Pixar Animation Studios								
At Disney, we are s to present these ch entertainment robot Disney in attraction In this talk, I hope Disney. In particula distilled from Disne As examples of cha I discuss two newer									
the Disney theme developed in conjun- and has made appe	ABSTRACT This paper describes how we extended Pixar's Rend with ray tracing abilities. In order to ray trace h scenes we use multiresolution geometry and textu use ray differentials to determine the appropriate re this method we are able to efficiently ray trace sce more geometry and texture data than there is main m quality rendering of scenes of such complexity had been possible with pure scanline rendering algorith	highly complex are caches, and esolution. With mes with much bemory. Movie- only previously	cess. This combination of tracing of very complex s. This paper first gives ray tracing in 'Cars', and the movie industry. It they gorithm deals with compl on efficient ray tracing of of our hybrid rendering a	tly accessed texture tiles ready for fast ac- of ray differentials and caching makes ray iccenes feasible. a more detailed motivation for the use of l lists the harsh rendering requirements in n gives an overview of how the REYES al- ex scenes and goes on to explain our work f equally complex scenes. An explanation oproach, combining REYES with ray trac- measure the efficiency of our method on a					

Iditional effects





### **New IEEE Journals Planned for 2017**

In 2017, IEEE will introduce six new journals that will be available for subscription:

- IEEE Communications Standards Magazine
- IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology
- IEEE Transactions on Emerging Topics in Computational Intelligence
- IEEE Transactions on Green Communications and Networking
- IEEE Transactions on Radiation and Plasma Medical Sciences
- IEEE Journal of Radio Frequency Identification
  - All Included in an IEL Subscription

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







# New IEEE Journals Coming in 2016

In 2016, IEEE will introduce four new journals that will be available for subscription:

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

All included in an IEL subscription

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







## A sampling of some of the new conferences added in 2016

- Cloud Computing and Big Data Analysis (ICCCBDA), 2016 IEEE International Conference on
- Computer Communication and the Internet (ICCCI), 2016 First IEEE International Conference on
- Connected Health: Applications, Systems and Engineering Technologies (CHASE), 2016 IEEE First International Conference on
- Control, Measurement and Instrumentation (CMI), 2016 IEEE First International Conference on
- Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles & International Transportation Electrification Conference (ESARS-ITEC), 2016 International Conference on

- Intelligent Systems Engineering (ICISE), 2016 International Conference on
- Intelligent Transportation Engineering (ICITE), 2016 IEEE International Conference on
- Mechatronics, Adaptive and Intelligent Systems (MAIS), 2016 IEEE Conference on
- Power Electronics, Intelligent Control and Energy Systems (ICPEICES), 2016 IEEE 1st International Conference on
- The Science of Electrical Engineering (ICSEE), 2016 IEEE International Conference on



### **Popular IEEE Standards**

#### **IEEE 802 Series**—IEEE Standard for Ethernet

**IEEE 3000 Standards Collection**<sup>™</sup>—Formerly the IEEE Color Books®, this collection will reorganize the 13 Color Books into approximately 70 "dot" standards covering specific technical topics on all facets of industrial and commercial power systems.

**IEEE 81-2012™**—IEEE Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System

**2017 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**<sup>™</sup>—IEEE Guide for Measuring Earth Resistivity, Ground Impedance, and Earth Surface Potentials of a Grounding System



### Setting up Rooming Mobile Access

Off-campus/Remote Access for laptop, tablet, phone



### **Roaming Mobile Access**

- Allows for access to IEEE Xplore content when users are off-campus
- Can be set-up for multiple devices laptop, tablet, phone
- Available for 90 days
- To initiate:
  - Login to IEEE Xplore from within your institution's IP range
  - Sign In with a personal IEEE Account
  - Select My Settings > Remote Access

Libraries can have this feature enabled by contacting Online Support (<u>onlinesupport@ieee.org</u>) IT IS ENABLED for Cons. MEMBERS in RUSSIA

## **Roaming Mobile Access** – How Roaming Access setup appears on IEEE *Xplore*:



## **Roaming Mobile Access -** User prompted to create/sign in with personal IEEE account:



#### Remote Access

Institutional Authentication Personal Sign In is required to establish roaming access. Personal Sign In

ESTABLISH REMOTE ACCESS
# Roaming Mobile Access – Select Establish

Remote Access to pair mobile device:

IEEE Xplore*			Access provided by: Tom Institution » Sign Out			<b>∲IE</b>
BROWSE ~		MY SETTINGS 🗸	GET HELP 🗸	WHAT CAN IA	CCESS?	
Enter Search	Term					Q Search
Basic Search	Author Search	Publication Search			Advanced Search	Other Search Options

#### **Remote Access**

IEEE has registered your device and mapped to your ID, you now have roaming access for the next 90 days. "you can now use your device off campus"

#### Institutional Authentication

You must be authenticated within your institution's IP range to establish 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 establish access.

#### ESTABLISH REMOTE ACCESS



# Roaming Mobile Access – Every 90 days

#### refresh remote access:

EEE.org   IEEE Xplore Digital Library   IEEE Standards   IEEE Sp IEEE Xplore <sup>®</sup> Digital Library		Access provided by Tom Institution + Sign Out		Welcome Tbruno@atypon.com VI Cart		
BROWSE 🛩	<u> </u>	MY SETTINGS 🛩	GET HELP 💙	WHAT CAN LACCESS	57	
Enter Search T	'erm					Q Search
Basic Search	Author Search	Publication Search			Advanced Search	Other Search Options 🗸

#### **Remote Access**

#### Your Remote Status is Active - Expires on May 04, 2015

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

# **NEW Features on IEEE Xplore**



## **Citation alert**

#### to receive an alert when the document is cited



# **Algorithms in IEEE** *Xplore*



This article contains an algorithm made available via IEEE's partnership with Code Ocean, a cloud service that allows users to view, run, modify, and download algorithms in IEEE Xplore articles. Click the algorithm name below to access it on the Code Ocean website.

#### Name: Multi-Scale Patch-Based Image Restoration - Super Resolution 12

Programming Language:

ge: 🖸

You must register for a free account to start using Code Ocean

CODE OCEAN	Dashboard Explore Learn	o 🚷
🔇 💲 Multi-Scale Patc	n-Based Image Details Code Interface	··· 😪 🚱 Run ⊘ <sub>Saved</sub>
Source Files <	demo_sr.m	> Results
alt <b>o</b>	1 :lear;	Q Search ···
🗅 utilities_image_degra 🔺	3 pkg load image 4 % make sure you are in the MultiScaleEPLL dire	∨ \$ Pu () (3 🗊
🗅 utilities_normal_distri	<pre>5 addpath(genpath(pwd)); 6</pre>	Run Time: 0h 09m 05s   Nov 23,
☆ demo_sr.m	7 % params	2016   13:27
my_im2col.m	<pre>8 patchSize = 8; 9 psf = fspecial('gaussian',7,1.6);</pre>	🖄 image.png 42.64 KB
Least Ciles	10 scale = 3;	>≡ Output 1.14 KB
Input Files	11 noiseSD = 5/255; 12 betas = [1 2 4 8 16 32 64 128];	SRimage.png 113.39 KB
G C O B	<pre>13 lambda = patchSize^2/noiseSD^2;</pre>	
SR_test_images 1.98 MB	14 15 % models	
GMM_high.mat 5.69 MB	<pre>16 load '/input/GSModel_8x8_200_2M_noDC_zeromea 17 models = {GS,GS};</pre>	
GSModel_8x8_20 9.77 MB	18	Manage Vour Ounta

# **Redesign of Full-Text HTML Articles**

- More prominent
  - article metrics
  - related articles
  - featured media
- Author's ORCID identifier & bio
- Metrics gallery
- Multimedia gallery



This space is reserved for impact message. In viverra tellus eu tellus congue molestie. Suspendisse portitior dapibus consequat.

Media Title / Information

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam dictum, tortor vel fringilla scelerisque, odio erat iaculis eros, quis ornare urna dui vel nisi. Suspendisse sollicitudin eros sed pharetra vestibulum. Fusce maximus ullamcorper orci, accumsan pulvinar dui tempor non. Quisque faucibus lectus eget enim sagittis, in auctor arcu viverra. Quisque molestie lacus eget sacien ecestas, vitae efficitur turpis



 In This space is reserved for graphical abstract text if and when available. Truncate and use ellipses if text exceeds three lines. View more expands text.

#### Scope

ullamcorper. Cras sit amet euismod mi.

Ass

In viverra tellus eu tellus congue molestie. Suspendisse portitor dapibus consequat. Nulla facilisi. In feugiat, neque nec egestas portitor, nibh lorem elementum metus, sed dictum magna ante eu turpis. Aliquam rhoncus dolor vel eros portitor, eu consectetur ante porta. Mauris ac malesuada lectus, sit amet volutpat ipsum. Cras dui ex, sagittis nec maximus ac, placerat ac lectus. Nulla mollis dolor eu enim convallis, id laoreet metus ullamcorper.

#### Purpose

In viverra tellus eu tellus congue molestie. Suspendisse portitor dapibus consequat. Nulla facilisi. In feugiat, neque nec egestas portitor, nibh

# **Secondary Author Affiliation**

Secondary author affiliations are now available on the new blended full text HTML/abstract page. Users will also be able to search for secondary authors based on their affiliation (like you would for a primary author).

#### Browse Journals & Magazines > IEEE Robotics and Automation ... > Volume: 2 Issue: 1 🕜

A Reactive Walking Pattern Generator Based on Nonline Model Predictive Control





# **NEW! Full-Text HTML for Standards**

- Modern, mobilefriendly design
- Figures carousel
- Table of contents within Standard
- Search within a Standard
- Evolution of the Standard

2030.1.1-2015 - IEEE Standard Technical Specifications a DC Quick Charger for Use with Electric Vehicles Status: Active - Approved



circuit (case 1: current drop driven; case 2: "Charger status" flag driven)

0 • • • • • • • • • • • •

E Contents

1. Scope

D



- A.3 Installation conditions and main specifications
- A.4 Requirements for basic design of the charger and the vehicle

Contents

# Why Publish with the IEEE?



- B. M. Kovalchuk (34)
- N. A. Torkhov (34)
- E. M. Oks (33)
- Victor F. Tarasenko (32)
- A. I. Klimov (30)
- V. G. Spitsyn (30)
- I. V. Pegel (29)
- S. A. Popov (28)
- R. B. Baksht (27)
- Vladislav V. Rostov (26)
- Efim M. Oks (24)
- V. I. Oreshkin (22)
- N. N. Koval (22)
- G. I. Ayzenshtat (18)
- V. A. Kokshenev (17)
- A. V. Shishlov (16)

Author Affiliations":tomsk) × and refined by					
Per Page	25   ~	Sort By	Relevance	~	
ll on Page	Download Ci	tations <del>▼</del> ∣ Exp	ort to IEEE Colla	abratec 🔻   Set Search Ale	rts 🔻

#### are-software complex for undertaking the thermo physical gation of material and products vetlakov; V. L. Savchuk ition of the Conversion Research Results for International Cooperation,

SIBCONVERS '99. The Third International Symposium

- 999, Volume: 1
- 125 127, DOI: 10.1109/SIBCON.1999.771775
- conference Publications









Դ

- O. P. Tolbanov (14)
- V. I. Suslyaev (14)
- O. V. Stoukatch (14)
- I. M. Dobush (13)
- A. V. Tyazhev (12)
- V. A. Svetlichnyi (12)
- V. P. Yakubov (11)
- G. G. Goshin (10)
- V. G. Bozhkov (10)
- A. G. Loschilov (10)
- N. A. Torkhov (10)
- Natalia Kushik (10)
- Vladimir G. Guba (10)
  - Yu. M. Andreev (10)



Դ

Դ

#### oftware complex for undertaking the thermo physical n of material and products toy; V. L. Savchuk

f the Conversion Research Results for International Cooperation, NVERS '99. The Third International Symposium /olume: 1 127, DOI: 10.1109/SIBCON.1999.771775 rence Publications

輕 (223 Kb) 🛛 🜔

Jesigning automation of controllable mechanical systems
v; T. N. Zaichenko
f the Conversion Research Results for International Cooperation,
NVERS '99. The Third International Symposium
/olume: 1
210, DOI: 10.1109/SIBCON.1999.771793
rence Publications



ctions in prediction of natural frequencies and modal densities 🔒

# What else increases an IEEE author's visibility?

IEEE's relationships with indexing and abstracting providers

Google



THOMSON REUTERS





**EBSCO** 







## Publish IEEE journal or IEEE conference?

- A journal article is a fully developed presentation of your work and its final findings
  - Original research results presented
  - Clear conclusions are made and supported by the data
- A **conference article** can be written while research is ongoing
  - Can present preliminary results or highlight recent work
  - Gain informal feedback to use in your research
- Conference articles are typically shorter than journal articles, with less detail and fewer references



## Publish IEEE journal or IEEE conference?

#### **IEEE** Journals

- PRO
- 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 Electron Devices Society**





## **Duplicate Publication**

IEEE's policy on duplicate publication states

 "authors should only submit original work that has neither appeared elsewhere for publication, nor which is under review for another refereed publication. If authors have used their own previously published work(s) as a basis for a new submission, they are required to cite the previous work(s) and very briefly indicate how the new submission offers substantively novel contributions beyond those of the previously published work(s)."

http://ewh.ieee.org/soc/nps/TNS.htm



## Choose Find periodicals in IEEE Xplore®

Browse by **Title** or **Topic** to find the periodical that's right for your research







## Submit Journal paper submission is easy through IEEE Xplore®







#### Submit

# Use conference site (not IEEE Xplore) to submit to a conference

For complete information, see the Call for Papers for the conference in question.

Each IEEE sponsored conference has its own requirements for publishing.

2012 IE	EE Vehicle Power and	d Propulsion Conference (VPPC)
Sponsored by	γ:	
	er Electronics Society - PEL cular Technology Society - VT	
		Design. Topic 2: Automotive Actuator and Electric
Machinery Top	ic 3: Power Converter for Automoti	ve Applications Topic 4: Motor Drives for Vehicle
Couplers Topic	opic 5: Energy and Power Manar 7: Smart Grid and Electrical In Telematics (included V21) Topic	Call for Papers for Conference Authors
	•	Find details for paper and abstract submission.
Confere		Search for call for papers on conference site
Dates	09 Oct - 12 Oct 2012	Call for Papers for Conference Authors
ocation	Seoul Olympic Parktel Seoul, Korea (South)	Find details for paper and abstract submission. • Search for call for papers on conference site
Veb site	www.vppc2012.org	Conference Focus
Contact	Min Jung Kim Room 901, Science & Technology Building, 635-4, Yucksam-Dong,	
	Kangnam-Ku Korea (South) Seoul 135-703	Features  • Exhibits
	+82 70 8222 3371 +82 10 9156 3571	Tutorials
	+82 2 3412 8723 (fax) secretariat@vppc2012.org	Back to search results
Conference #	20159	
	450	



## **IEEE** conferences and events

Your search returned 289 Conferences for comput% from 2016-04-10

Conference Name 🔺 🔻	Conference Date 🔺 🔻	Location 🔺 🔻	
2019 IEEE Symposium on Security and Privacy (SP) Full Paper Submission deadline: 16 Nov 2018 Final submission deadline: 31 Mar 2019 Notification of acceptance date: 10 Feb 2019	19 May - 23 May 2019	Hyatt Regency San Francisco 5 Embarcadero Center San Francisco, CA, USA	
2018 IEEE Frontiers in Education Conference (FIE) Abstract submission deadline: 05 Feb 2018 Full Paper Submission deadline: 23 Apr 2018 Final submission deadline: 09 Jul 2018 Notification of acceptance date: 21 May 2018	03 Oct - 06 Oct 2018	TBD TBD San Jose, CA, USA	
2018 IEEE World Congress on Computational Intelligence (WCCI) Full Paper Submission deadline: 01 Feb 2018 Final submission deadline: 01 May 2018 Notification of acceptance date: 01 Apr 2018	08 Jul - 13 Jul 2018	Windsor Barra Convention Centre Rua Martinho de Mesquita Barra da Tijuca Rio de Janeiro, Brazil	
2018 IEEE International Symposium on Information Theory (ISIT) Abstract submission deadline: 07 Jan 2018 Full Paper Submission deadline: 07 Jan 2018 Final submission deadline: 22 Apr 2018 Notification of acceptance date: 01 Apr 2018	17 Jun - 22 Jun 2018	Vail Cascade 1300 Westhaven Drive Vail, CO, USA	
2018 IEEE Symposium on Security and Privacy (SP) Full Paper Submission deadline: 16 Nov 2017 Final submission deadline: 31 Mar 2018 Notification of acceptance date: 11 Feb 2018	20 May - 24 May 2018	Hyatt Regency San Francisco 5 Embarcadero Center San Francisco, CA, USA	IEEE

# Structure



### Paper Structure Elements of a manuscript

Title	EE TAGACTING OF DEBUT COMPANYA VIL X. 10 X. 10770000 200 20 TOP 1 TAGACTING OF DEBUT COMPANYA VIL X. 10 X. 10770000 200 200 200
Abstract	Efficiency Optimization in Low Inertia Wells Turbine-Oscillating Water Column Devices Salvabr Cehulos, Judy Ra, Iraide Lapez, Josep Fox, Senior Meneter, IEEZ, Eider Robles, and Dara L O'Sallivan Advenue-The Wells intrinsical differentiatian and intrinsication of the monter of th
Keywords	Intelling regions         Intelling in the first state in
Introduction	proconnectul and connected apercantion. As an industry, connected apercantion. As an industry, more limiting influencing connection fragments in the second of the present request. The connel is the and on ong more limiting, influencing connection, fixedness lenges of the second of the present request. The connel is the and on ong more limiting, influencing connection, fixedness lenges of the second of the present request. The connel is the and one of the more influencing influencing connection, fixedness lenges of the second of the present request. The connel is the and one of the more influencing influencing connection, fixed and the aneroparation influencing and the second of the present request. The second is the second of the present request is the distribution of the second of the present request. The second is the second of the present request is the distribution of the second of the se
Methodology	Measurem mained by (1) 2012 minute Measurem 2 2012 and Measurem 2
Results/Discussions/Findings	in start i unde begrother. The start work free free start in the start is the star
Conclusion	
References	



#### Paper Structure Title

An effective title should... •Answer the reader's question: *"Is this article relevant to me?"* •Grab the reader's attention •Describe the content of a paper using the fewest possible words

- Is crisp, concise
- Uses keywords
- Avoids jargon





### Paper Structure Good vs. Bad Title

A Human Expert-based Approach to Electrical Peak Demand Management

#### VS

A better approach of managing environmental and energy sustainability via a study of different methods of electric load forecasting



### Paper Structure Good vs. Better Title

An Investigation into the Effects of Residential Air-Conditioning Maintenance in Reducing the Demand for Electrical Energy

#### VS

#### "Role of Air-Conditioning Maintenance on Electric Power Demand"



# Paper Structure Abstract

Why you did A "stand alone" condensed version of the article No more than 250 words; What you did written in the past tense Uses keywords How the results and index terms were useful, important & move the field forward Why they're useful & important & move the field forward



# Abstract:#

http://eds.ieee.org/images/files/Publications/ted\_info\_for\_authors.pdf

The abstract must be a **concise yet comprehensive reflection of what is in your article**. In particular, the abstract must be as follows.

1) Self-contained, without abbreviations, footnotes, or references; it should be a **microcosm of the full article** 

2) Between **150-250 words**. Be sure that you adhere to these limits; otherwise, you will need to edit your abstract accordingly.

3) Written as **one paragraph**, and should **not contain** displayed **mathematical equations or tabular material**.

4) Should include **three or four different keywords or phrases**, as this will help readers to find it. It is important to avoid over-repetition of such phrases as this can result in a page being rejected by search engines.

5) Ensure that your abstract **reads well and is grammatically correct**.



### Paper Structure Good vs. Bad Abstract

The objective of this paper was to propose a human expert-based approach to electrical peak demand management. The proposed approach helped to allocate demand curtailments (MW) among distribution substations (DS) or feeders in an electric utility service area based on requirements of the central load dispatch center. Demand curtailment allocation was quantified taking into account demand response (DR) potential and load curtailment priority of each DS, which can be determined using DS loading level, capacity of each DS, customer types (residential/commercial) and load categories (deployable, interruptible or critical). Analytic Hierarchy Process (AHP) was used to model a complex decision-making process according to both expert inputs and objective parameters. Simulation case studies were conducted to demonstrate how the proposed approach can be implemented to perform DR using real-world data from an electric utility. Simulation results demonstrated that the proposed approach is capable of achieving realistic demand curtailment allocations among different DSs to meet the peak load reduction requirements at the utility level.

#### Vs

This paper presents and assesses a framework for an engineering capstone design program. We explain how student preparation, project selection, and instructor mentorship are the three key elements that must be addressed before the capstone experience is ready for the students. Next, we describe a way to administer and execute the capstone design experience including design workshops and lead engineers. We describe the importance in assessing the capstone design experience and report recent assessment results of our framework. We comment specifically on what students thought were the most important aspects of their experience in engineering capstone design and provide quantitative insight into what parts of the framework are most important.

*First person, present tense No actual results, only describes the organization of the paper* 



## Paper Structure Keywords

Use in the Title and Abstract for enhanced Search Engine Optimization





#### IEEE Keywords

## Authors Keywords

Bit rate, Decoding, Encoding, Parallel processing, Video coding

High Efficiency Video Coding (HEVC), parallel programming, video coding

#### INSPEC: Controlled Indexing

parallel processing, video coding

#### INSPEC: Non-Controlled Indexing

12-core system, H.264-advanced video coding, HEVC parallelization approaches, OWF, WPP, frequency 3.33 GHz, high efficiency video coding, overlapped wavefront, parallel efficiency, parallel friendliness, parallel scalability, parallelization proposals, tiles, wavefront parallel processing



# Keywords link to potential reviewers

Keywords should be taken from the <u>taxonomy</u> provided in ScholarOne Manuscripts. <u>Using the keywords from the keyword list is</u> <u>essential to the review process because ScholarOne Manuscripts links</u> <u>them to names of potential reviewers who are associated with that</u> <u>area of expertise, thereby expediting the review process</u>. We encourage all users to include keywords as part of their account information. If you currently do not have keywords included as part of your account information, you may add them by clicking the "edit your information" button on the main menu. Scroll down the page until you reach the "keywords" box. You may then select the keywords that apply to you from the list provided.

https://www.computer.org/web/peer-review/journals#Length of Review Process



### Paper Structure Introduction

- A description of the problem you researched
- It should move step by step through, should be written in present tense:



- The introduction should <u>not be</u>
  - Too broad or vague
  - More then 2 pages



## Paper Structure Methodology

- Problem formulation and the processes used to solve the problem, prove or disprove the hypothesis
- Use illustrations to clarify ideas, support conclusions:



## **View Figures**



🕽 🔹 💿 🔹 View All



## **Equations: Copy Source Code**

#### The Test Case Prioritization Problem.

Given: T , a test suite; PT , the set of permutations of T ; f , a function from PT to the real numbers.

Problem: Find  $T' \in PT$  such that

$(\forall \; T'' \; (T'' \in P$	m) (m// / m/)	$[\underline{u}(\underline{T}') > (\underline{T}'')]$	
	Show Math As	MathML Code	
View Source 📀	Math Settings Language	TeX Commands	
Here, $PT$ represents the set of all ${f r}$	About MathJax MathJax Help	✓ Show TeX hints in MathML Add original form as annotation	
function that, applied to any such o	rdering, yields	11 aWal SMathJax Equation Source - Google Chrome	3
	0.11	🗅 about:blank	
		<pre><math display="block" xmlns="http://www.w3.org/1998/Math/MathML"></math></pre>	>
### **Equations: Zoom Function**

### The Test Case Prioritization Problem.

Given: T , a test suite; PT , the set of permutations of  $T\ ; f$  , a function from PT to the real numbers.

```
Problem: Find T' \in PT such that
```



### Paper Structure **Results/discussion**

Demonstrate that you solved the problem or made significant advances

### **Results: Summarized Data**

- Should be clear and concise
- Use figures or tables with narrative to illustrate findings

### **Discussion: Interprets the Results**

- Why your research offers a new solution
- Acknowledge any limitations

MENEZ-MUNDI # # -LST RETRIEVAL METHIODS FROM LANDSAT-5 THERMAL INFRARED SENSOR DATA

the SC algorithm over the whole range of  $\omega$  values increase.

to 3-4 K, except for the TEGRITH database, with an RMSE

of 2 K. This last result is explained by the w distribution, which is biased toward low values of w in this dotabase. When only atmospheric profiles with w values lower than

3 g - cm<sup>-2</sup> are selected, the SC algorithm provides RMS around 1.5 K, with almost equal values of bias and standard

deviation, around 1 K in both cases (with a negative bias, thus the SC underestimates the LST). In contrast, when only  $\omega$  values higher than 3 g  $\cdot$  cm^{-2} are considered, the SC algorithm

provides RMSEs higher than 5 K. In these cases, it is preferable

to calculate the atmospheric functions of the SC algorithm directly from (3) rather than approximating them by a polynomial

V. DISCUSSION AND CONCLUSION The two Landsat-S TIR bands allow the intercomparison of two LST retrieval methods based on different physical

[9], and it could be used to generate consistent LST products

from the historical Landsat data using a single algorithm. An

advantage of the SC algorithm is that, apart from surface emis-

sivity, only water vapor content is required as input. However,

it is expected that errors on LST become unacceptable for high while vapor contents (e.g.,  $> 3 \text{ g} \cdot \text{cm}^{-2}$ ). This problem can be purify solved by computing the atmospheric functions directly from  $\tau$ ,  $L_{u}$ , and  $L_{d}$  values [use (5)], or also by including

air temperature as input [15]. A main advantage of the SW

algorithm is that it performs well over global conditions and,

thus, a wide range of water vapor values; and that it only requires water vapor as input (apart from surface emissivity at the two TIR bands). However, the SW algorithm can be

only applied to the new Landant-8 TIRS data, since previous

simulated data sets obtained for a variety of global atmospheric conditions and surface emissivities. The results showed RMSE

values of typically less than 1.5 K, although for the SC al-

gorithm, this accuracy is only achieved for u values below

<sup>3</sup> g - cm<sup>-2</sup>. Algorithm teeting also showed that the SW errors.

are lower than the SC errors for increasing water vapor, and

vice versa, as demonstrated in the simulation study presented

in Sobrino and Jiménez-Muttor [18]. Although an extensive

validation exercise from in sits measurements is required to

assess the performance of the two LST algorithms, the results

obtained for the simulated data, the sensitivity analysis, as well

as the previous findings for algorithms with the same mothe-

matical structure give confidence in the algorithm accuracies

The LST algorithms presented in this letter were tested with

TM/ETM sensors only had one TIR band.

antirented have.

such as the SC (only one TIR band required) fams (two TIR bands required). Direct inversion e transfer equation, which can be considered

orithm, is assumed to be a "ground-truth" condition that the information about the

and  $L_d$  is accurate enough. The SC algo-

in this letter is a continuation of the previous SC

veloped for Landsat-4 and Landsat-5 TM sensors, ne EIM+ sensor on board the Landsat-7 platform.

fit approach as given by [4].

RECEPCION

Results

- Oct. 2008 [4] W. Nastas and M. Anderson, "Advances in thermal infrared neurois sensing for land surface modeling," Agric. Parent Mateorol., vol. 149, no. 12,
- pp. 2071-2081, Dec. 2009.
  [3] Z.-L. Li, E.-H. Tang, H. Wu, H. Ren, G. Yan, Z. Wan, I. S. Trips, and J. A. Sobsino, "Satellite-derived land surface temperature: Cornect." status and perspectives," Service Sens. Evolution, vol. 131, pp. 14-37, Apr. 2015.
- [43] M.L. Li, H. Wu, N. Wang, S. Qiu, J. A. Sobrino, Z. Wan, R.-H. Tong, and G. Yan, "Land outlose senisoirity netrieval force analities data," *Int. J. Remote Sen.*, vol. 34, no. 810, pp. 5064–5127, 2012.
- [7] A. S. Much, Inter decides of Links of Interferences, According to a spin Revolution from, vol. 62, no. 7, pp. 632–652, Jul. 1997.
  [8] J. A. Eurel, J. R. Schott, E. D. Fulloweni, D. L. Halder, S. J. Hock, R. L. Mathham, G. Chunder, and E. M. O'Donnell, "London: TM and
- ETM+ thermal band calibration," Con. J. Sewarts Serv., vol. 29, no. 2, pp. 141–152, 2005.
  [9] N.C. Resiner-Maffee, J. Cristifiul, J. A. Sobrino, G. Shria, M. Niryweile
- and X. Pous, "Revision of the single-channel algorithm for land surface temperature retrieval from Landact thermal-influend data," IEEE France.
- General Sensate Serve, vol. 47, no. 1, pp. 239-348, fan. 2008.
  [10] L. M. McMüller, "Estimation of sea sentere temperatures from two in-fused window measurements with different obscription," J. Geophys. Sec., vol. 80, no. 34, pp. 5113-5117, 1975.
  [11] J. A. Sobrino, Z.-L. Li, M. P. Stoll, and F. Racker, "Multi-channel and
- multi-angle algorithms for estimating sea and load surface temperature with ATSR date," Int. J. Remote Serie, vol. 17, no. 11, pp. 2082-0114, 1004
- 1990. [1] J. C. Tanisao-Mafice and J. A. Soletto, "Split-window coefficients for land surface temperature retrieved from low-metal-induced informal second," *IEEE Genet. Second Secu. Lett.*, vol. 5, no. 4, pp. 805–809, Oct. 2008.
- [12] A. Back, G. P. Anderson, P. K. Asharya, J. H. Chetward, L. S. Berneisin, E. P. Shetla, M. W. Mothew, and S. M. Adar-Golden, MODTRAW. Diw'r Monael - Honscom AFE, MA, USA: Air Force Res. Leb., 1999.
- [14] A. M. Euldridge, S. J. Hock, C. I. Grove, and G. Rivera, "The ASTER. spectral Heary version 2.0," Senate Sec. Bertron, vol. 113, no. 4, pp. 711–715, Apr. 2008. [15] J. Cristfiel, J. C. Smikar-Moffer, J. A. Sebrine, M. Ninyarola, and
- [14] J. Dina, "Improvement in lund archive transformation with the landst state warm have using ware using and at landst statement in the landst statement in the landst statement in the landst statement in the landst statement of the landst statement in the landst statement is labeled at landst statement in the landst statement in the landst statement in the landst statement is labeled at landst statement in the landst statement is labeled at la
- C. Dahol, E. Dengari, M. Faariss, A. J. Geer, L. Heimberger, S. E. Healy, H. Hersbach, E. V. Hölm, L. Indraen, P. Kalberg, M. Kirbler, M. Mattianti, A. R. MaNaD; E. M. Mange-Sana, I.-I. Monarette, E.-K. Park, C. Peuber, P. de Rosary, C. Torointo, J.-N. Thépant, and F. Vitat, "The ERA-Inferim research size Configuration and performance of the data assimilation system," Q. J. R. Mitsoreal. Soc., vol. 137, no. 656, pp. 555-697, 2011. C. Motor, C. Durin-Alaroin, J. C. Jimánao-Minitor, and J. A. Sobrina
- [17] "Global Atmospheric Profiles from Reconstynis Information (GAPRI): A new doinest for forward simulations in the thermal infrared region," IZZE Prove. Genuci. Remote Serv., 2014, submitted for publication.
- [15] J. A. Soltino and J. C. Jiméneo-Mañoo, "Land surface temperature retrieval from thermal infrared data: An assessment in the content of the surface processes and scoryvism changes through response analysis (SPECTRA) mission," J. Geophys. Res., vol. 110, no. D'8, p. D16105,



### Discussion





### Paper Structure Conclusion

- Explain what the research has achieved
  - As it relates to the problem stated in the Introduction
  - Revisit the key points in each section
  - Include a summary of the main findings, important conclusions and implications for the field
- Provide benefits and shortcomings of:
  - The solution presented
  - Your research and methodology
- Suggest future areas for research





### Paper Structure References

- Support and validate the hypothesis your research proves, disproves or resolves
- There is no limit to the number of references
  - But use only those that directly support our work
- Ensure proper author attribution
  - Author name, article title, publication name, publisher, year published, volume, chapter and page number
  - IEEE journals generally follow a citation numbering system

1534 We then have

**Properly** 

cited material

```
(P_t^{s,+} + P_t^{s,-})^2 = (P_t^{s,+} - P_t^{s,-})^2 + 4P_t^{s,+}P_t^{s,-}
                                 <(\hat{P}_{t}^{a,+}-\hat{P}_{t}^{a,-})^{2}+4\hat{P}_{t}^{a,+}\hat{P}_{t}^{a}
                                  -(\hat{P}^{a,+}_{i} + \hat{P}^{a,-}_{i})^{2}
```

Since  $P_{t}^{s,+} - P_{t}^{s,-} = \hat{P}_{t}^{s,+} - \hat{P}_{t}^{s,-}$ , we then have  $P_{t}^{s,+} < P_{t}^{s,+}$ . and  $P_t^{s,-} < P_t^{s,-}$ . Because the operational cost is an increasing function of  $\{P_t^{s,+}, P_t^{s,-}\}$ , we obtain that

 $c_{u/m}(P_t^{s,+}, P_t^{s,-}) < c_{u/m}(\dot{P}_t^{s,+}, \dot{P}_t^{s,-}).$ 

Therefore the optimal pair  $\{P_i^{k,+}, P_i^{k,-}\}$  must satisfy that  $P_i^{k,+}P_i^{k,-} = 0$ , i.e., only one of  $P_i^{k,+}, P_i^{k,-}$  can be non-zero.

#### REFERENCES

[1] "Ranewables: Energy You can Count on," Tech. Rep. Union of Concerned Scientists, 2013.

- [2] S. Collier, "Ten steps to a smarter grid," IEEE Ind. Appl. Mag., vol. 16, no. 2, pp. 62-68, 2010.
- [3] J.A. Turner, "A realizable nenewable energy fature," Sci., vol. 285, no. 5428, pp. 687-689, 1999.
- [4] "Exploration of High-Penetration Renewable Electricity Futures," Tech. Rep. National Renewable Energy Lab., 2012. [5] T. Wiedmann and J. Minn, A Definition of 'Carbon Footprint'. Hasp-
- page, NY, USA: Nova Science, 2008.
- [5] J. Carrasco, L. Franquelo, J. Bialasiewicz, E. Galvar, R. Guisado, M. Pata, J. Leon, and N. Morano-Alfonso, "Power-electronic materna for the grid integration of renewable energy sources: A survey," IEEE
- Trans. Ind. Electron., vol. 53, no. 4, pp. 1002–1016, 2006.
  [7] H. Ibrahim, A. Tinca, and J. Perron, "Energy storage systems charac-teristics and comparisons," *Renewable Statisticable Energy Rev.*, vol. 12, no. 5, pp. 1221-1250, 2008.
- 181 J. Carcia-Gonzalez, R. da la Muela, L. Santna, and A. Gonzalez, "Stochastic joint optimization of wind generation and pumped-storage units in an electricity market," IEEE Trans. Power Syst., vol. 23, no. 2, pp. 460-468, 2008.
- [9] T. D. Nguyen, K.-J. Tseng, S. Zhang, and T. D. Nguyen, "On the modng and control of a novel flywheel energy storage system," in Proc. 1 2022, 2010, pp. 1395-1401. hos, T. Bhatacharya, D. Tran, T. Siew, and A. Khambadkone,
  - site energy storage system involving battery and ultracapacitor mic energy management in microgrid applications," IUUX
  - filectron, vol. 26, no. 3, pp. 923-930, 2011. and J. F. Miller, "Key challenges and recent progress in fael cells, and hydrogen storage for clean energy systems,"
  - over Sources, vol. 159, no. 1, pp. 73-80, 2006. artes and D. Infield, "Energy strange and its use with intermittant evable energy," *IEEE Trans. Energy Conversion*, vol. 19, no. 2, pp. 441-448, 2004.
- [13] K. O. Vosburgh, "Conspressed air energy storage," J. Energy, vol. 2, no. 2, pp. 106-112, 1978.
- [14] C. Abbey and O. Joos, "Supercapacitor energy storage for wind energy applications," IEEE Trans. Ind. Appl., vol. 43, no. 3, pp. 769-776,
- [15] P. Brown, J. P. Lopes, and M. Matter, "Optimization of pumped storage capacity in an isolated power system with large receivable penetra-tion," *IEEE Trans. Procee Syst.*, vol. 23, no. 2, pp. 523–531, 2008.
- [16] C. Abbey and G. Joos, "A stochastic optimization approach to rating of energy storage systems in wind-dissel isolated grids," IEEE Trans. Preser Syst., vol. 24, no. 1, pp. 418-426, 2009.
- [17] Y. Zhang, N. Gatais, and O. Giannakia, "Robust energy management for microgrids with high-penetration renewables," IEEE Trans. Surtamable finergy, vol. PP; no. 99, pp. 1-10, 2013.

IFRE TRANSACTIONS ON SMART GRID, VOL. 5, NO. 4, JULY 2014

[18] S. Boyd, N. Parikh, E. Chu, B. Peleato, and J. Eckness, "Distributed optimization and statistical learning via the alternating direction method of realignees," Foundations Trends Mack Learning, vol. 3, no. 1, pp. 1-122 2010

[19] G. Calatiore and M. Campi, "The sometio approach to robust control

design," IEIOT Trans Autom. Contr., vol. 51, no. 5, pp. 742-753, 2006. [20] A. Shapiro, D. Dentsbeva, and A. Russezynski, Lecturer on Stochastic Programming: Modeling and Theory. Philadelphia, NJ, USA: SIAM, 2009

[21] Y. Zhang, N. Gatais, and G. Gianzakis, "Risk-constrained energy agement with multiple wind farms," in Proc. IEEE PES ISCIT, Fab. 2013, pp. 1-6.

- [22] Y. Zhang, N. Gatsis, V. Kekatos, and G. Gianzakia, "Risk-aware may agement of distributed energy resources," in Proc. Bet. Conf. Digital
- Signal Process, Jul. 2013, pp. 1-5. [23] P. Yang and A. Nehonal, "Hybrid energy storage and generation plan ning with large reservable penetration," in IEEE Int. Morkshop Com-puter Adv. Multi-Sensor Adaptive Process., Dec. 2013, pp. 1–4.
- [24] EPRI, "Escricity Energy Storage Technology Option: A White Paper Primer on Applications, Costs, and Benefits," Tech. Rep. IPRI, Palo Alto, CA, USA, 2010.
- (25) National Solar Rediction Data Base, [Online], Available: http://medo nml.goviniae/old\_data/neth/ [26] S. Wilcox, National Solar Radiation Database 1991 - 2010 Update
- User's Massal, 2012.
- (27) EPRI, "Renewable Energy Technical Assessment Guide TAG-RE:2006," Tech. Rep. EPRI, Pulo Alto, CA, USA, 2007.
- [28] ERCOT Hourly Load Data Archive [Online]. Available: http://www. eront.com/gridinfo/load/load\_hist/ [29] M. Omet and S. Boyd, CFX: Marlab Software for Disciplined Conver-
- Programming, Version 2.0 Beta 2012 [Online]. Available: http://ovsr. com/eve [30] "MISO Daily Report," 2011, Electric Power Markets: Midwest
- (MISO), FERC [Online]. Available: http://www.ferc.gov/market-over sight/mkt-electric/midwest/miso-archives.asp
- [31] "CAISO Daily Report," 2011, Electric Power Markets: California (CAISO), PERC IOninel, Available: http://www.ferc.gov/marketoversight's kt-electric/california/calso-archives.asp

Peng Yang (5'11) received the B.Sc. degree in electrical engineering from University of Science and Technology, Anhui, China in 2009, and the M.Sc. and Ph.D. degrees in electrical engineering from Washington University in St. Louis, St. Louis MO, USA, in 2011 and 2014, respectively. His Ph.D. advisor is Dr. Arys Nehoral.

His research interests include statistical signa processing, optimization, machine learning, and compressive sensing, with applications to smart

Arys Nehorai (S'80-M'83-SM'90-8'94) received the B.Sc. and M.Sc. degrees from the Technico, Haife, Janel, and the Ph.D. degree from Stanford University, Stanford, CA, USA.

He is the Eugene and Martha Lohman Professor and Chair of the Preston M. Oreen Department of Electrical and Systems Engineering (ESE) at Wash-ington University in St. Louis (WUSTL), St. Louis, MO, USA. Barlier, he was a faculty member at Yale Laivenity and the University of Illinois at Chicage. Dr. Nelsons served as Ildinois-Chief of Illilli Transactments on Status. Processions from 2000 to 2005.

was the Vice President of the IIIII Signal Processing Society (SPS), the Chair of the Publications Board, and a member of the Executive Committee of this Society. He was the founding Editor of the special columns on Leadership Reflections in HEEF Signal Processing Magazine from 2003 to 2006. He has been a Fellow of the IEEE since 1994, the Royal Statistical Society since 1996, and the AAAS since 2012.









e.g. IEEE Transactions on Information Technology in Biomedicine

## Audience 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



# **Open Access Publications**





# Traditional Journals – Users/Libraries pay for access

# Open Access Journals – Author pays article costs, free download

# Hybrid Journals – Most articles are traditional, some are open access (author preference)



# http://open.ieee.org/

**IEEE** OPEN

search

The Author's Choice for Open Access Publishing

View Infographic



### First Fully Open Access Topical Journals



**IEEE** Journal of **Electron Devices** Society





### **Editors in Chief**



Fabrizio Lombardi, IEEE Transactions on Emerging Topics in Computing



Carmen S. Menoni, **IEEE** Photonics Journal

Renuka P. Jindal, IEEE Journal of Electron Devices Society



Clifford Dacso, IEEE Journal of Translational Engineering in Health & Medicine



Atam P. Dhawan, IEEE Journal of Translational Engineering in Health and Medicine



# Since 2014/15 – Four New OA Topical Journals

- IEEE Exploratory Solid-State Computational Devices and Circuits
  - Multi-disciplinary research in solid-state circuits

### IEEE Life Sciences Letters

 Articles that apply methods of quantitative analysis to biological problems at the molecular, cellular, organ, human and population levels

### IEEE Nanotechnology Express

Novel and important results on engineering at the nanoscale

### IEEE Power and Energy Technology System Journal

 Practice-oriented articles focusing on the development, planning, design, construction, maintenance, installation and operation of equipment, structures, materials and power systems



## Since 2013:

# **IEEE** Access

practical innovations **: open** solutions

- A broad-scope "Megajournal" to cover multi-disciplinary topics that don't naturally fit into one of IEEE's existing primary transactions or journals
- Online-only archival publication: no page limits; supporting data and videos encouraged
- Applications-oriented articles such as interesting solutions to engineering or information system design challenges, practical experimental techniques, manufacturing methods, etc.



Dr. Michael Pecht, Editor in Chief



 Readers will evaluate work through comments and usage metrics, which are updated frequently and displayed with the abstract of each paper published

### More information: www.ieee.org/ieee-access



# Self-Archiving policy

IEEE allows authors to deposit the accepted (not final) version of their paper (available through the Author Gateway) to their institutional or funding repository, or to post it on their personal websites.

Our full deposition policy can be found here: <u>http://www.ieee.org/publications\_standards/publications/rights/paperversionpolicy.html</u>



## **IEEE Author Tools**



# Locate and Use IEEE Author Tools

http://www.ieee.org/publications\_standards/publications/authors/a uthors\_journals.html







**IEEE PUBLICATIONS** GRAPHICS ANALYZER



IEEE offers a suite of tools to help authors prepare their manuscript and find the right publication outlet.

EE PUBLICATIONS JTHOR LAB

Our package of tools is unique among scholarly publishers.















# Author Tool: Article Templates

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

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

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

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

Index Terms-Enter key words or phrases in alphabetical order, separated by commas. For a list of suggested keywords, send a blank e-mail to <u>keywords@ieee.org</u> or visit <u>http://www.iee.org/organizations/pub/ani\_prod/keywud98.txt</u>

#### I. INTRODUCTION

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

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

This paragraph of the first footnets will contain the data which you submitted your paper for review. It will also contain support information, including spontor and financial support achieve/objecter. For example, "This work was supported in part by the U.S. Department of Commerce under Grant BS123456".

The next few paragraphs should contain the authors' current affiliations, including current address and c-mail. For example, F. A. Author is with the National Institute of Standards and Technology, Boulder, CO 80005 USA (cmail: author@ boulder.mit.gov).

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

T. C. Author is with the Electrical Engineering Department, University of Colorado, Boulder, CO 80309 USA, on leave from the National Research Institute for Metals, Tsukuba, Japan (e-mail: author@nrim.go.jp). II. GUIDELINES FOR MANUSCRIPT PREPARATION

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

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

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

#### A. Abbreviations and Acronyms

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

#### B. Other Recommendations

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

Use a zero before decimal points: "0.25," not ".25." Use "cm<sup>2</sup>," not "cc." Indicate sample dimensions as " $0.1 \text{ cm} \times 0.2$ cm," not " $0.1 \times 0.2 \text{ cm}$ ." The abbreviation for "seconds" is "s," not "sec." Use "Whim" or "webers per square meter," not "webers/m"." When expressing a range of values, write "7 to 9" or "-9," not "-9."



# Author Tool: PDF Checker

### **IEEE PDF Checker**

### **Upload File**

Paper Title:		
IEEE Publication Title:	Aerospace & Electronics Systems Magazine, IEEE	•
File:	Browse	
Upload File		



# Author Tool: Graphics Analyzer



#### -GMM-online (PSNR = 21.8 22.5 GMM-offline (PSNR = 20.8 GAP (PSNR = 21.64) TwiST (PSNR = 20.14) (SVD-OMP (PSNR = 19.8 180 160 Median: -0.5 %/year 140 Average: -0.8 %/year 120 # reported rates = 2128 Frequency 100 80 Outdoor IV 60 Indoor IV 40 PR. PVUSA 20 0 02 02 06 20 24 28 22 26 20 38 38 22 Degradation Rate (%/year)

### ANALYZE YOUR GRAPHICS FILES

Speed up your scholarly publishing process by checking your graphics files prior to submission. Learn more.

HOW THE IEEE GRAPHICS ANALZYER

WORKS

FAQ | Help



 $\rightarrow$ 





- Look up previous reports

Select and upload

Wait for report

Get notified



IEEE

# Use AuthorLab in IEEE Collabratec for additional support and help



autho

Schreiber

Hide D

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

Community provided by :	Post ? Question 🖹 File	
IEEE Publications	Post to your Community (max 4000 characters)	
Participants 4336	4000 characters remaining Post Post Post Post Post Post Post Post	
	Activities     Image: Second sec	
All Participants	263 Post(s) in Community	
June 2016 Su Mo Tu We Th Fr Sa 1 2 3 4	Don't miss IEEE's author education event at the 2016 IEEE International Geoscience and Remote Sensing Symposium (IGARSS) conference in Beijing next month! Check out ieee.org/publications_s for other author education events.	<b>⊳IEEE</b>

# Open Researcher and Contributor ID (ORCID)

ORCID is a unique, persistent identifier for authors that helps them:

- Ensure their work is discoverable and connected to them throughout their career (including moves and name changes)
- Minimize the time spent entering repetitive information for manuscript submissions and grant applications
- Eliminate name ambiguity and ensure proper attribution

IEEE will require ORCIDs for all corresponding authors effective July 2016.





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

#### **Author Digital Tools** Learn the benefits of publishing with IEEE View authorship workshop video for writing technical **IEEE Author** IEEE Publications On this page: papers Menu IEEE Publication DIGITAL TOOLS Preparing your article Recommender Publications Home Preparing your graphics and multimedia materials Below are information and tools Publications News Guidelines for article submission to assist with all stages of IEEE Open Access Post-acceptance procedures publishing with IEEE. Publication Types Post-publication procedures IEEE Open Access delivers Frequently asked questions articles free of charge to Publishing Tools & readers worldwide. Services Learn about IEEE Open Access Reprints, Rights & Preparing your article Permissions More Useful Links Advertising in IEEE IEEE Publishing Policy Publications (PDF, 46 KB) Article Templates Important information for authors interested in publishing in IEEE Transactions, Publications Board Journals, and Letters. > Find appropriate templates for the publication you Author Resources intend to publish in Register for an ORCID Register for the persistent digital identifier that distinguishes you from every Author Copyright Help Contact IEEE other researcher. Publishing > IEEE Rights & Permissions Department Overleaf Collaborative Authoring Author FAQs > Download IEEE Copyright IEEE has partnered with Overleaf to allow authors to collaborate, write articles, Form and share files. (PDF,108 KB) Contact IEEE IEEE Style Manual Transactions, Journals (PDF, 574 KB) and Letters Editorial guidelines for IEEE Transactions, Journals, and Letters. For general inquires or to request further information, Keywords Suggested for Authors email trans@ieee.org (PDF, 326 KB) For inquiries specific to Authors are encouraged to select keywords from this list. It comprises the first graphics, email three hierarchical "levels" under each term-family (or branch) that is formed graphics@ieee.org from the top-most terms of the IEEE Thesaurus. If you cannot find appropriate terms, you may add your own.

#### Article Templates

Includes templates and instructions on how to prepare your papers for publication in IEEE Transactions and Journals.

#### Authorship





### **IEEE** Author Guide Always Available

- Authors learn how to prepare, write, and submit quality technical articles
- Can be downloaded
- Includes embedded links to information, forms, etc.



### For more information or to

download: http://www.ieee.org/publications\_standards/publications/auth ors/publishing\_benefits/index.html?WT.mc\_id=pb\_ben\_pub



# **Contacts for Author Questions**

discoveryservices@ieee.org
copyrights@ieee.org
pubs-permissions@ieee.org
copyrights@ieee.org
graphics@ieee.org
reprints@ieee.org
Publication editor or <u>trans@ieee.org</u>
customer-service@ieee.org



### **Useful articles on IEEE Xplore**

- Beginnings and endings: keys to better engineering technical writing" Pierson, M.M.; Pierson, B.L.,
- "Hints on writing technical papers and making presentations" Li, V.O.K.
- "How to Get Your Manuscript Published in this Transactions in Six Months or Less" Williams, Dylan F.

### http://ieeexplore.ieee.org



# Key sites to remember

### Manuscript "How to write":

http://www.ieee.org/publications\_standards/publications/authors/author\_gui de\_interactive.pdf

### **IEEE Author Tools** <u>IEEE.org/go/authorship</u>

**IEEE Conference Search and Calls for Papers:** http://www.ieee.org/conferences\_events/index.html

### **IEEE Publication Recommender**<sup>™</sup>

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

IEEE Xplore: <u>http://ieeexplore.ieee.org</u>

**IEEE Xplore information, training and tools:** http://www.ieee.org/go/clientservices

**IEEE Journal Citation reports:** <u>http://www.ieee.org/publications\_standards/publications/journmag/journalcitations.html</u>



# Free Authorship videos on IEEE.tv

Speaker: Professor Saifur Rahman from Virginia Tech (VP of Pubs for IEEE's Power & Energy Society)

http://innovate.ieee.org/innovate /industry/academic/whatsnew/newcontent/article/80448



January 20, 2015 | 443 views

🔇 🖂 📑 💟 🏹 ShareThis

How to Publish a Technical Paper with IEEE: Part 2 -Audience & Paper Structure



\*



### THANK YOU!

Eszter Lukács

IEEE Client Services Manager - Europe

e.lukacs@ieee.org

Web: <u>www.ieee.org/go/clientservices</u>

↔+49 30 44319367 Office in Berlin

↔+49 1705632738 Mobile



# Free courses availbele for customers

Techniques for effective research with IEEE Xplore (45 minutes with Tatiana Kalinina OR Eszter Lukacs, online or onsite) RUSSIAN OR ENGLISH

- How to get published with the IEEE? (90 minutes, with Eszter Lukacs, online or onsite) ENGLISH
- Patent searching best practices with IEEE Xplore (45 minutes with Eszter Lukacs, online or onsite) -ENGLISH





### THANK YOU!

Eszter Lukács

IEEE Client Services Manager - Europe

e.lukacs@ieee.org

Web: <u>www.ieee.org/go/clientservices</u>

↔+49 30 44319367 Office in Berlin

↔+49 1705632738 Mobile

