Today's IEEE:

Career, Content, and Networking

李箐

IEEE中国区资讯经理

2011年

◆IEEE

Journals

Standards

Conferences

Members

American Institute of Electrical Engineers

Founding officers of the American Institute of Electrical Engineers in 1884:
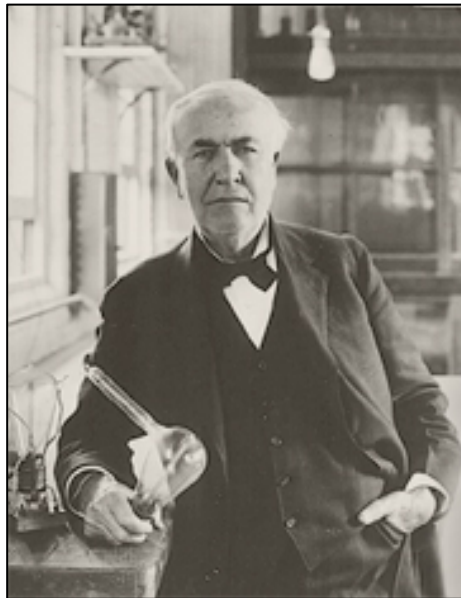
Thomas A. Edison

Alexander Graham Bell

The Institute of Radio Engineers

Founding member of the Institute of Radio Engineers in 1912:

Gugllelmo Marconi

THE NAUTICAL GAZETTE

NEW YORK, WEDNESDAY, APRIL 24, 1912

Most Direful Disaster of the Deep

1912

Radio telegraph operators' communications with the sinking Titanic demonstrated the power of radio

IEEE

AIEE + IRE = IEEE

The idea that there should be one organization for all electrical engineers was an old one, and became more powerful as the profession expanded beyond its separate roots in power and radio. In 1962, the boards and memberships of the two institutes agreed to merge. On **January 1, 1963**, the Institute of Electrical and Electronic Engineers was born with **150,000** members.

1962
Symposium on the proposed merger, IRE National Convention

march 1962
the
institute
of
radio
engineers

Proceedings of the IRE
part II

SHOULD
IRE and AIEE
CONSOLIDATE?

It is imperative that you read this before you vote
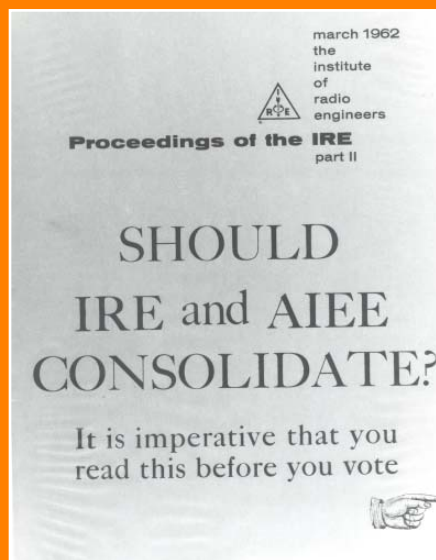
Special merger issue of the Proceedings of the IRE
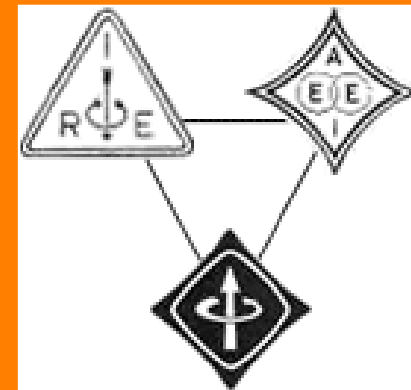
The badge of the new IEEE combined the right hand rule from the IRE with the kite from the AIEE

IEEE

Today's IEEE

- 非盈利组织，全球最大的技术行业协会，成员遍布160多个国家地区，会员超过40万人
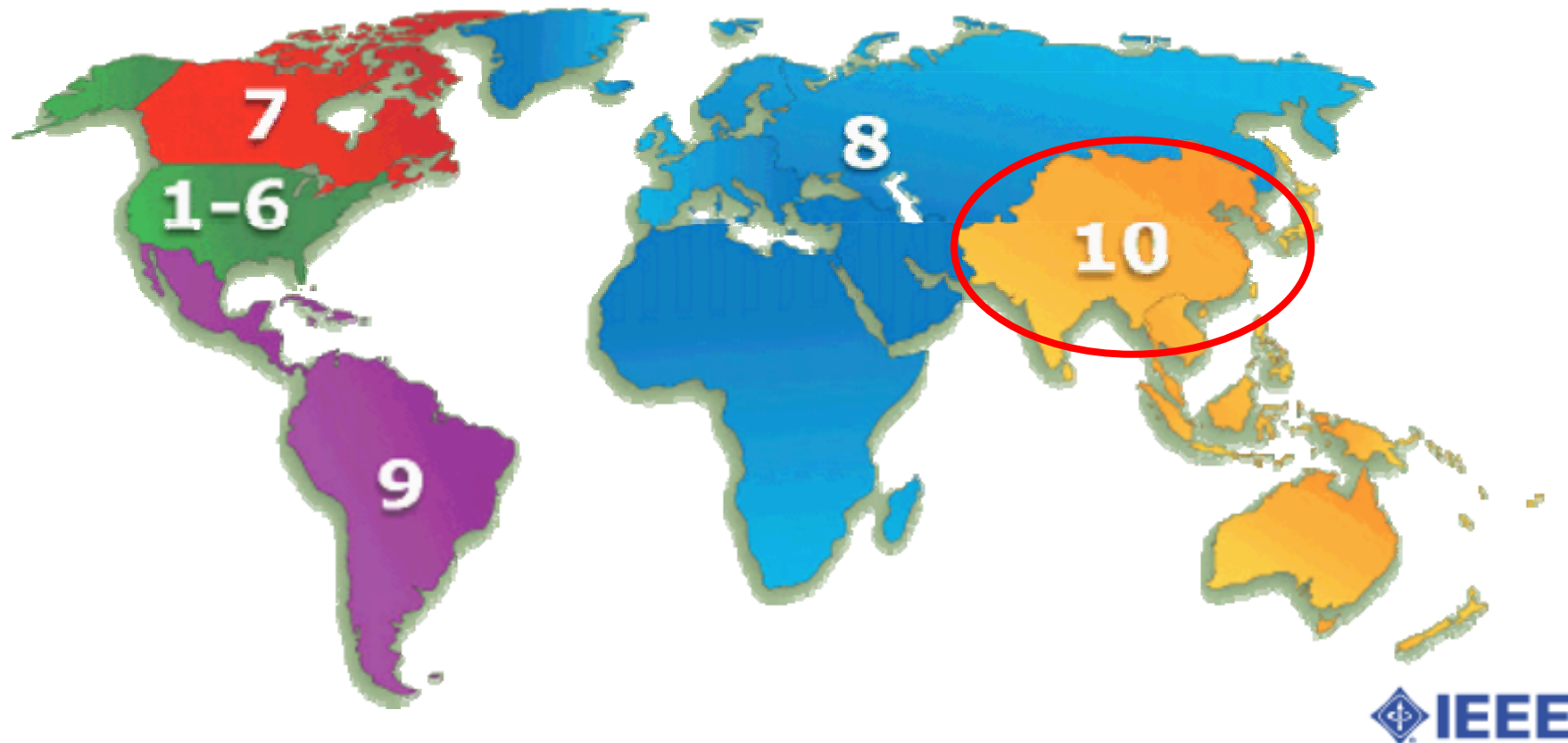
IEEE in China

- 8000多名会员，包括2000多名学生会员

- 7个分会(Section)：北京，上海，成都，武汉，哈尔滨，西安，南京

- 21个学生分会（Student Branch）分布在北京，上海，南京，武汉，西安，山东等地

- IEEE中国代表处于2007年在北京成立，中文网站：http://cn.ieee.org/
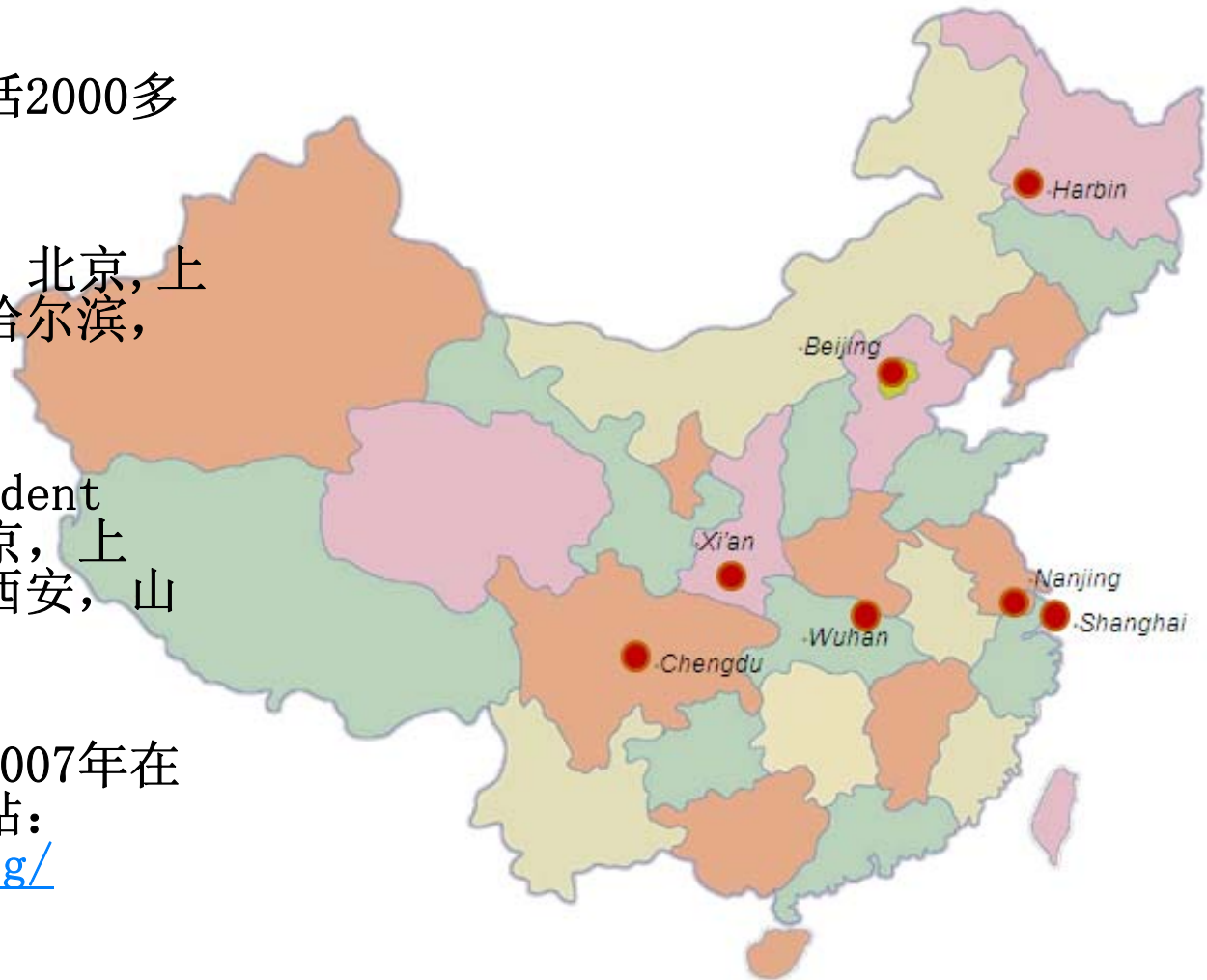
IEEE Helps Innovation

课题研究
课题追踪
辅助投稿
择业帮助

IEEE 内容覆盖所有前沿科技领域
More than just electrical engineering & computer science

renewable energy

AEROSPACE

communications

SMART GRIDS

optics

INFORMATION TECHNOLOGY

IMAGING

semiconductors

biomedical engineering

CIRCUITS

electronics

nanotechnology

COMPUTING

wireless broadband

IEEE

1. 开展课题研究

■ **进行课题研究时的几个关键问题**

– 所研究技术当前的研发状况

– 相关技术标准的发展现状

– 该技术领域的领先研究机构有哪些

– 该技术领域的领先研究者有哪些

– 该技术领域的核心期刊和会议有哪些

– 等等

科研课题：利用传感网络(sensor networks)进行能源收集（Energy Harvesting）

Nokia手机自动充电项目

英军"Battery Free Soldier"项目

自动推荐关键词

检索结果自动聚类分析

全面的文献聚类和分析功能

REFINE/EXPAND RESULTS

Search within results :

[_____] [Search]

Content Type
- ☐ Conferences (42,465)
- ☐ Journals (5,913)
- ☐ Early Access (191)
- ☐ Books (82)
- ☐ Standards (6)
- ☐ Educational Courses (3)

Publication Year
- ○ Single Year ● Range

1957 ▮▮ ▬▬▬▬▬ 2010

From: [1957]

To: [2010]

Early Access Articles: 已经完成同行评审，等待出版的文章

提前半年阅读最新科技文章

IEEE Online Standards Dictionary

Browse Standards Dictionary

By Alphabet	By Standards/Technology

BROWSE ALPHABETICALLY:

A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z
Other

OR... BROWSE BY KEYWORDS:

Enter keywords or a unique phrase to find standards titles.

[   ] **BROWSE**

3 Results Returned for 'smart transducer'

- **smart transducer**

  A transducer that provides functions beyond those necessary for generating a correct representation of a sensed or controlled quantity. This functionality typically simplifies the integration of the transducer into applications in a networked environment.

  FOUND IN
  IEEE Std 1451.5-2007
  IEEE Standard for a Smart Transducer Interface for Sensors and Actuato... | View Definitions

  IEEE Std 1451.0-2007
  IEEE Standard for a Smart Transducer Interface for Sensors and Actuato... | View Definitions

  IEEE Std 1451.3-2003
  IEEE Standard for a Smart Transducer Interface for Sensors and Actuato... | View Definitions

  IEEE Std 1451.2-1997
  IEEE Standard for a Smart Transducer Interface for Sensors and Actuato... | View Definitions

Access
Full Text

- 6loWPAN
  - wireless personal area network utilizing mesh networking and IPv6

- ACK
  - acknowledgment.

- acknowledge
  - A reply message used to indicate that a command or trigger message was received.

- ACL
  - asynchronous connectionless link.

- actuator
  - A transducer that accepts a data sample or samples and converts them into physical action.

- address
  - A character or group of characters that identifies a register, a particular part of storage, or some other data source or destination.

- AddressGroup
  - A collection of TransducerChannels that respond to a single address.

- AES
  - advanced encryption standard.

- AP
  - access point.

作者检索与分析

Author
Search for Author

☐ Giannakis, G.B. (65)	
☐ Kersey, A.D. (60)	
☐ Kumar, A. (53)	
☐ Flammini, A. (45)	
☐ Hashimoto, H. (44)	
☐ Marioli, D. (43)	
☐ Taroni, A. (42)	
☐ Watanabe, K. (41)	

Author
Search for Author

`lee` ⊗

☐ Lee, J.	
☐ Lee, S.	
☐ Lee, D.	
☐ Lee, K.	
☐ Lee, H.	
☐ Lee, T.H.	
☐ Lee, J.H.	
☐ Lee, R.	
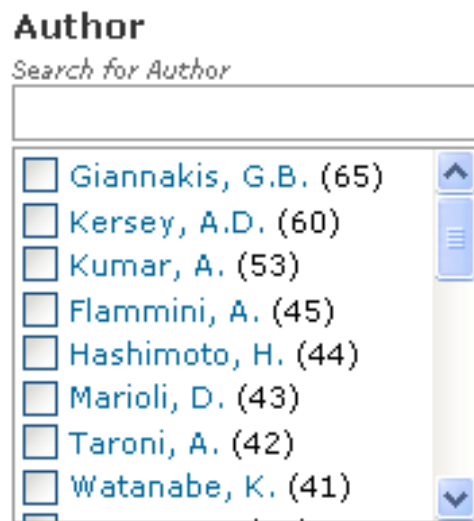
显示发表文
章数量最高
的25位作者
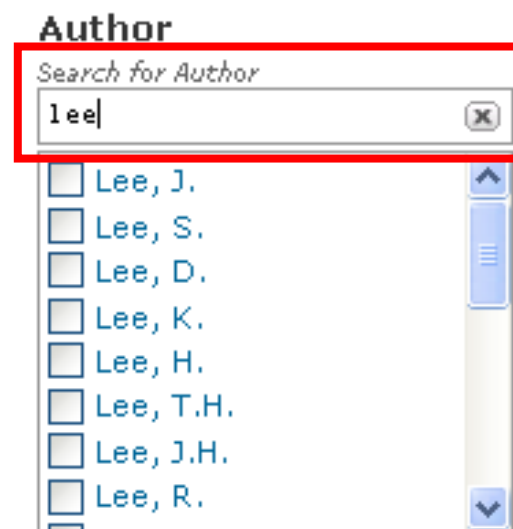
查找特定作者：
优先使用Last
Name

快速定位该领域专家

◆IEEE

机构检索与分析

Affiliation

Search for Affiliation

☐ Jet Propulsion Lab., California Inst. of Technol., Pasadena, CA (100)
☐ Sch. of Electr. & Comput. Eng., Georgia Inst. of Technol., Atlanta, GA (71)
☐ Sch. of Electr. & Comput. Eng., Cornell Univ., Ithaca, NY, USA (53)
☐ Inst. for Infocomm Res., Singapore (52)
☐ Sch. of Electr. & Electron. Eng., Nanyang Technol. Univ., Singapore (38)

Top 25发表章机构机构

Affiliation

Search for Affiliation

intel ☒

☐ Intel Corp., Santa Clara, CA
☐ Intel Corp., Hillsboro, OR
☐ Intel Corp., Chandler, AZ
☐ Intel Corp., Santa Clara, CA, USA

Affiliation

Search for Affiliation

china ☒

☐ China Univ. of Min. & Technol., Xuzhou
☐ China Three Gorges Univ., Yichang
☐ China Univ. of Geosci., Wuhan

可检索机构名、地名和国家名称

快速定位该领域的领先研究机构；深度了解该关注的研究机构，为申请学校和进入公司做准备

◆IEEE

多角度缩小检索范围

Subject

- [ ] Communication, Networking & Broadcasting (34,460)
- [ ] Computing & Processing (Hardware/Software) (28,648)
- [ ] Components, Circuits, Devices & Systems (22,024)
- [ ] Signal Processing & Analysis (20,336)
- [ ] Robotics & Control Systems (8,187)
- [ ] Fields, Waves & Electromagnetics (7,690)
- [ ] Engineered Materials, Dielectrics & Plasmas (7,304)
- [ ] Aerospace (6,947)
- [ ] Power, Energy, & Industry Applications (5,118)

Publication Title

Search for Publication Title

- [ ] Electronics Letters (910)
- [ ] Lightwave Technology, Journal of (549)
- [ ] Microelectromechanical Systems, Journal of (360)
- [ ] Industrial Electronics, IEEE Transactions on (357)
- [ ] OCEANS 1984 (288)
- [ ] Wireless, Mobile and Sensor Networks, 2007. (CCWMSN07). IET Conference on (274)

Publisher

- [ ] IEEE (46,584)
- [ ] IET (1,979)
- [ ] AIP (84)
- [ ] AVS (13)

了解哪些期刊、会议可能是投稿对象

缩检－输入更多关键字

IEEE *Xplore*®
DIGITAL LIBRARY

Advanced Search | Preferences | Search Tips

BROWSE ▼   MY SETTINGS ▼   CART

REFINE/EXPAND RESULTS

Search within results:

`energy harvest*`   Search

Energy Harvesting
Energy Harvester
Energy Harvesting Systems
Energy Harvesting Techniques
Energy Harvesters
Energy Harvesting Devices
Energy Harvest
Energy Harvesting Circuit
Energy Harvesting Device
Energy Harvesting Eel
Energy Harvesting Technology
Energy Harvesting Sensors
Energy-harvesting

SEARCH RESULTS

You searched for: **sensor network**

Save This Search   Download Citations   Email Selected Results   Print

Results per Page 25

Showing 1 - 25 of 48,660 results
Next»

Sort By: Relevance

Select All | Deselect All

☐ **Mobile Network Supported Wireless Sensor Network Servic**

Krco, S.; I.; Glitho, R.;

*号作为截词符使用

缩检之后的检索结果页面

2. 使用AbstractPlus获取相关文献

SEARCH RESULTS

You searched for: sensor network , energy harvest* ⊠
You refined by:
Content Type: Journals ⊠

[+] Save This Search   [↓] Download Citations   [✉] Email Selected Results   [🖶] Print

Results per Page 25 ▼

AbstractPlus 有参考文献列表和被引信息

Sort By: Relevance ▼   Select All | Deselect All

☐ **A 5.2 mW Self-Configured Wearable Body Sensor Network Controller and a 12 μ W Wirelessly Powered Sensor for a Continuous Health Monitoring System**

Yoo, J.; Long Yan; Seulki Lee; Yongsang Kim; Hoi-Jun Yoo;
Solid-State Circuits, IEEE Journal of
Volume: 45 , Issue: 1
Digital Object Identifier: 10.1109/JSSC.2009.2034440
Publication Year: 2010 , Page(s): 178 - 188

🔍 Quick Abstract

IEEE JOURNALS

📗 AbstractPlus | Full Text: PDF (3101 KB)

EEE

INDEX TERMS

- **IEEE Terms**
  Authentication , Copyright protection , Graphics , Object detection , Robustness , Spline , Surface reconstruction , Surface texture , Surface topography , Watermarking

- **INSPEC**
  - **Controlled Indexing**
    computational geometry , copyright , mesh generation , random sequences , solid modelling , watermarking

  - **Non Controlled Indexing**
    3D mesh object watermarking , 3D rotation , 3D scaling , 3D translation , Cartesian coordinate system , blind robust watermarking scheme , copyright protection , geometric simplification attack , geometrical transformation , mesh simplification attack , principal component , pseudorandom watermarking signal , spherical coordinate system , vertex deformation , watermark detection , watermark embedding

- **Author Keywords**
  Index Terms- 3D mesh watermarking , blind watermarking , copyright protection.

- **Medical Subject Heading (MeSH Terms)**
  Algorithms , Computer Graphics , Computer Security , Copyright , Data Compression , Image Interpretation, Computer-Assisted , Imaging, Three-Dimensional , Product Labeling , Reproducibility of Results , Sensitivity and Specificity , Signal Processing, Computer-Assisted

REFERENCES

6. W. Xiao , N. Ozog and W. G. Dunford "Topology study of photovoltaic interface for maximum power point tracking", *IEEE Trans. Ind. Electron.*, vol. 54, pp. 2007 .
   Abstract |Full Text: PDF (662KB)

7. W. Xiao , W. G. Dunford , P. R. Palmer and A. Capel "Regulation of photovoltaic voltage", *IEEE Trans. Ind. Electron.*, vol. 54, pp. 2007 .
   Abstract |Full Text: PDF (622KB)

8. W. Xiao , M. G. J. Lind , W. G. Dunford and A. Capel "Real-time identification of optimal operating points in photovoltaic power systems", *IEEE Trans. Ind. Electron.*, vol. 53, pp. 2006 .
   Abstract |Full Text: PDF (536KB)

9. W. De Soto , S. A. Klein and W. A. Beckman "Improvement and validation of a model for photovoltaic array performance", *Sol. Energy*, vol. 80, pp. 2006 .
   [CrossRef] [Buy Via Ask*IEEE]

10. J. Gow and C. D. Manning "Development of a photovoltaic array model for use in power-electronics simulation studies", *Proc. Inst. Electr. Eng.—Electr. Power Appl.*, vol. 146, pp. 1999 .
    Abstract |Full Text: PDF (628KB)

11. S. Foss , B. Olaisen , E. Marstein and A. Holt "A new 2.5d distributed spice model of solar cells", *Proc. Eur. Photovolt. Sol. Energy Conf. Exhib.*, vol. 21, pp. 2006 .
    [Buy Via Ask*IEEE]

更快获取参考文献全文

1. Doncel, V.F
   Fourier De:
   Visualizatio
   863, Volur

   Abstract |F

2. Konstantin
   "Blind Robu
   Harmonics'
   11 Issue:
   Abstract |F

3. Agarwal, P
   Geometry"
   page(s): 3
   Abstract |F

4. Kai Wang,
   Semiregula
   Security, IE
   Dec. 2008
   Abstract |F

1. Cheng, Yu-Ming Wang, Chung-Ming "An adaptive steganographic algorithm for 3D polygonal meshes", *The Visual Computer*, Vol.23, Iss.9-11, pp.721, 2007, ISSN: 01782789
   [CrossRef][Buy Via Ask*IEEE]

2. Cheng, Yu-Ming Wang, Chung-Ming "A high-capacity steganographic approach for 3D polygonal meshes", *The Visual Computer*, Vol.22, Iss.9-11, pp.845, 2006, ISSN: 01782789
   [CrossRef][Buy Via Ask*IEEE]

3. Abdallah, Emad E. Ben Hamza, A. Bhattacharya, Prabir "Watermarking 3D models using spectral mesh compression", *Signal Image and Video Processing*, Vol.3, Iss.4, pp.375, 2009, ISSN: 18631703
   [CrossRef][Buy Via Ask*IEEE]

4. Irawan Tan, Charlie Lin, Cong-Kai Tai, Wen-Kai Chang, Chin-Chen "Hiding data: a high-capacity distortionless approach", *Multimedia Systems*, , 2009, ISSN: 09424962
   [CrossRef][Buy Via Ask*IEEE]

5. Wang, Jen-Tse Wang, Peng-Cheng Yu, Shyr-Shen "Reversible fragile watermarking scheme for three-dimensional models", *Optical Engineering*, Vol.48, Iss.9, pp.097004, 2009, ISSN: 00913286
   [CrossRef][Buy Via Ask*IEEE]

更快获取最新引文全文

3. 追踪最新科研动态

如何轻松追踪能量收集（Energy Harvest）的最新研究？

定制检索Alerts

SEARCH RESULTS

You searched for: energy harvest*

Save This Search | Download Citations | Email | Print

Results per Page 25

Showing 1 - 25 of 1,010 results

Next»

Sort By: Relevance | Select All | Deselect All

☐ **Energy harvest with microbial fuel cell and power management system**

Meehan, A.; Hongwei Gao; Lewandowski, Z.;
Energy Conversion Congress and Exposition, 2009. ECCE 2009. IEEE
Digital Object Identifier: 10.1109/ECCE.2009.5316034
Publication Year: 2009 , Page(s): 3558 - 3563
IEEE CONFERENCES
AbstractPlus | Full Text: PDF (983 KB)

Quick Abstract

Tips:
Alerts 每周更新2次，不要设置过于精确的检索式

▷IEEE

个性化功能–设置个人帐号

IEEE *Xplore®*
DIGITAL LIBRARY

Delivering full text access to the world's highest quality technical literature in engineering and technology

◆IEEE

BROWSE ▼ | MY SETTINGS ▼ | CART | | SIGN OUT | Feedback | ? | Help

Sign In for Access and Additional Features

You are already signed in through your institutional subscription for access to full text. Sign in to take advantage of your personalization options or access content available through your IEEE membership.

Benefits of Using your IEEE Membership or Personal Account ?

Enter your Personal Account Sign In username and password to:

- Create or update preferences and saved searches
- Create or update alerts
- Access previously purchased content not in your insitution's subscription
- Access content available through your individual IEEE membership

Register Now for a Free IEEE Personal Account »

SIGN IN ?

Username

Password

Sign In

Forgot Username/Password?

Register

BROUGHT TO YOU BY

IEEE Sales and Marketing Staff

所有用户需要设置个人帐号以保存ToC Alerts, Saved search 和设置Preference

注：IEEE会员可以会员帐号登录

◆IEEE

个性化功能-Save Search

追踪某领域/某人/某机构研究

个性化功能–查看Saved Searches

BROWSE ▼　　　MY SETTINGS ▼　　CART　　　SIGN OUT

Personal Account > Saved Searches

Saved Searches

Alerts will be sent to **qing-li@ieee.org** in **html** format. These settings can be updated within the Preferences feature.

1. **SensorNetworkJournal**　　　RSS　　Edit Saved Search Name　　Delete | Enable Alert
   Query:
   You Searched For: sensor network

   You refined by: Publisher[IET;IEEE]
   You refined by: Content Type[Journals;Early Access]

2. **EnergyHarvest**　　　　　　　RSS　　Edit Saved Search Name　　Delete | Enable Alert
   Query:
   You Searched For: energy harvest*

最多可保存15个检索式

◆IEEE

个性化功能-设置ToC Alerts

BROWSE ▼   **MY SETTINGS** ▼   **CART**

Table of Contents Alerts

Manage your research quickly and efficiently with convenient Table of Contents Alerts. You will receive an email when a new journal or magazine issue in your area of interest has been posted online

Alerts will be sent to **"qing-li@ieee.org"** in **"Html"** format. These settings can be updated within the Preferences feature.

Journals & Magazines	Conferences	Standards By Version

Table of Contents Alerts Set: 0

☐ Select/Deselect All

[Reset]   [Update]

▶ ☐ **Advanced Packaging, IEEE Transactions on**

Most Recent Issue   Issues Per Year : 2

▶ ☐ **Aerospace and Electronic Systems Magazine, IEEE**

Most Recent Issue   Issues Per Year : 12

▶ ☐ **Aerospace and Electronic Systems, IEEE Transactions on**

Most Recent Issue   Issues Per Year : 4

4. 知己知彼 利用**IEL**了解你心仪的公司

Search : ⦿ Metadata Only ◯ Full Text & Metadata [?]

qualcomm	in	Author Affiliation ▾
AND ▾	in	Metadata Only ▾
AND ▾	in	Metadata Only ▾

SEARCH RESULTS

You searched for: **(Author Affiliation:qualcomm)**

Set Search Alert   Download Citations   Email Selected Results   Print

Results per Page [25 ▼]   Showing 1 – 25 of 884 results

Next»

Content Type

- ☐ Conferences (532)
- ☐ Journals (345)
- ☐ Early Access (7)

Publication Year

○ Single Year ◉ Range

1965 |‖‖‖‖‖| 2011

From: [1965]

To: [2011]

Sort By: [Newest First ▼]   Select All on Page | Deselect All

☐ **Soft Error Rate Analysis for Combinational Logic Using an Accurate Electrical Masking Model**   Quick Abstract
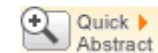
☐ **Unitary precoders for CQI reliability in closed loop MU-MIMO OFDM systems**   Quick Abstract
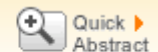
☐ **Measured Comparison of Dual-Branch Signaling over Space and Polarization Diversity**   Quick Abstract
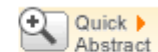
☐ **Optimal Spectral Feature Detection for Spectrum Sensing at Very Low SNR**   Quick Abstract

◆IEEE

Yisheng Xue (M'08) received the Ph.D. degree in electronic engineering from Tsinghua University, Beijing, China, in 2002.

From August 2002 to October 2004, he was a Postdoctoral Researcher with the University of Duisburg–Essen, Duisburg, Germany. From November 2004 to June 2005, he held a research associate position with the Department of Electrical and Computer Engineering, McGill University, Montreal, QC, Canada. Between August 2005 to August 2007, he was a Senior Research Scientist with Siemens Corporate Technology, Beijing. He was with the Motorola Labs, Beijing, between August 2007 and September 2008. Since September 2008, he has been with QualComm Wireless Communication Technologies, China Ltd. His research interests include protocol design and signal processing for wireless communications.

Affiliation

Search for Affil

china

- QualCom
  Commun
  China Lt
- QUALCO
  Univ. of
  Telecom
- Qualcom
  Res. Cen
  Univ. of
  Telecom

IEEEX

A Zipper OFDM Multiple-Antenna Technique for Interleaved-FDD Cellular Communication Systems

Yisheng Xue, *Member, IEEE*, and Harry Leib, *Senior Member, IEEE*

IEEE 投稿流程

JCR Rank	Journal Title	IF
2	IEEE Journal on Selected Areas in Communications	3.758
3	IEEE Pervasive Computing	3.079
4	IEEE Transactions on Mobile Computing	2.647
5	IEEE Communications Magazine	2.446
6	IEEE Wireless Communications Magazine	2.394
7	IEEE Transactions on Broadcasting	2.242
8	IEEE Network	2.148
9	IEEE/ACM Transactions on Networking	2.051
10	IEEE Transactions on Antennas and Propagation	2.011
12	IEEE Transactions on Wireless Communications	1.903
13	IEEE Transactions on Multimedia	1.822
15	IEEE Transactions on Communications	1.512
17	IEEE Transactions on Vehicular Technology	1.488
19	IEEE Antennas and Wireless Propagation Letters	1.3
20	IEEE Transactions on Electromagnetic Compatibility	1.294
22	IEEE Transactions on Aerospace and Electronic Systems	1.23
24	IEEE Communications Letters	1.14
26	IET Microwaves Antennas Propagation	1.077
30	IET Optoelectronics	0.989
31	IET Radar Sonar Navigation	0.981
34	IEEE Transactions on Consumer Electronics	0.942
37	IEEE Microwave Magazine	0.896
40	IEEE Systems Journal	0.825

2009年JCR报告Telecommunications学科排名

IEEE Journal on Selected Areas in Communication (J-SAC)

- This publication focuses on all telecommunications
  - telephone, telegraphy, facsimile, and point-to-point television, by electromagnetic propagation, including radio;
  - wire;
  - aerial, underground, coaxial, and submarine cables;
  - waveguides, communication satellites, and lasers;
  - in marine, aeronautical, space, and fixed station services;
  - repeaters, radio relaying, signal storage, and regeneration;
  - telecommunication error detection and correction;
  - multiplexing and carrier techniques;
  - communication switching systems;
  - data communications;
  - and communication theory

IEEE Journal on Selected Areas in Communication (J-SAC)

- J-SAC publishes only papers that are submitted in response to a **Call-for-Papers** in J-SAC issues and other publications of the IEEE Communications Society as appropriate to the subject area of the call.

- Papers submitted for review for possible publication in a J-SAC issue must be submitted to one of the **Guest Editors listed in the Call-for-Papers**.

QUICK SEARCH

Volume: [   ] *
Issue: [   ]
Start Page: [   ] **GO**

ABOUT THIS JOURNAL

▼ **Editorial Board**

1. Staff List

2. Staff List

▼ **Content Announcements**

1. Call for Papers

2. Call for Papers

3. Call for Papers

▼ **Author Resources**

IEEE Information
Additional Information

IEEE JOURNAL ON
SELECTED AREAS IN COMMUNICATIONS

Add Journal To My Alerts   View Popular

Early Access: VIEW ARTICLES ?

Year: 2011 ▾

Volume: Volume: 29 Issue: 5 ▾   VIEW CONTENTS

Frequency: 12

ISSN: 0733-8716

Subject: Communication, Networking & Broadcasting

Publication Details: IEEE Journal on Selected Areas in Communications

Persistent Link: http://ieeexplore.ieee.org/servlet/opac?punumber=49 More »

IEEE JOURNAL ON
SELECTED AREAS IN
COMMUNICATIONS

Welcome to IEEE Journal on Selected Areas in Communications

acquaint you with the scope of J-SAC, the people involved in the management of J-SAC, and a list of upcoming issues. Also contained herein is the complete Guide to J-SAC Operations, which is required reading for all Guest Editors and for those anticipating submission of a proposal for a J-SAC issue.

- Scope of J-SAC (Why does J-SAC exist?)

- Editorial Board (A list of the J-SAC Senior Editors, the Executive Editor, the Editor-in-Chief, and the IEEE staff members responsible for the production of J-SAC issues)

- Upcoming Issues (A list of J-SAC issues to be published in the near future. Calls-for-Papers are given for those issues still accepting papers.)

- Table of Contents for J-SAC Issues (Table of Contents from current J-SAC issues.)

- A Guide to J-SAC Operations (This links you to the complete Guide to J-SAC Operations. It explains it detail the process for bringing a J-SAC issue to press.)

- Submitting Papers to J-SAC (This tells you how to submit, and

Upcoming J-SAC Issues

- Broadband Wireless Communications for High Speed Vehicles - May 1, 2011

- Communications Challenges and Dynamics for Unmanned Autonomous Vehicles July 1, 2011

- Theories and Methods for Advanced Wireless Relays - August 15, 2011

- QoE-Aware Wireless Multimedia Systems - August 7, 2011

- Series: Smart Grid Communications - September 15, 2011

CALL FOR PAPERS
IEEE Journal on Selected Areas in Communications
Broadband Wireless Communications for High Speed Vehicles

- Novel network architecture
- Satellite communications
- Drive-through Internet
- Distributed antenna systems and radio over fiber for vehicle-to-infrastructure communications
- High speed vehicle-to-vehicle communication
- BWC for high speed vehicle control systems

- Radio resource allocation to high speed vehicles
- Fast and reliable handover and random access schemes
- Wireless channel modeling and estimation
- Effects of Doppler spread
- Modulation schemes for high speed vehicles
- Antenna array and MIMO
- Prototype and field tests

Guest Editors:

Prof. Yiqing Zhou, Advanced Wireless Center, ICT/CAS, China (zhouyiqing@ict.ac.cn)
Prof. Fumiyuki Adachi, Tohoku University, Japan (adachi@ecei.tohoku.ac.jp)
Prof. Xiaodong Wang, Columbia University, USA (wangx@ee.columbia.edu)
Prof. Athanassios Manikas, Imperial College, United Kingdom, (a.manikas@imperial.ac.uk)
Prof. Xi Zhang, Texas A&M University, USA (xizhang@ece.tamu.edu)
Prof. Wei-Ping Zhu, Concordia University, Canada (weiping@ece.concordia.ca)

Before Submission

- ◼ Pre-Publication

- ◼ Multi-Submission

- ◼ Self-Plagiarism

- ◼ Plagiarism

◆IEEE

Article Preparation and Submission

- IEEE Taxonomy (PDF,374 KB)

- Reference Preparation Assistant

- STIX Fonts Web Site

- IEEE Style Manual (PDF, 132 KB)

- Refine the Use of English in Your Manuscript

- IEEE "Information for Authors" kit (PDF, 755 KB)

- Graphics Checker Tool

- Frequently Asked Questions on Submitting Graphics (PDF, 20 KB)

- Titles of IEEE Transactions, Journals, and Magazines (PDF, 728 KB)

- Using Microsoft Products or PDFs to Submit Graphics (PDF, 2.2 MB)

◆IEEE

Template for IEEE Transactions

- •Template and Instructions on How to Create Your Paper (DOC, 92KB)
- •Instructions Only (PDF, 108 KB)
- • WIN and MAC Bibliography File (ZIP, 208 KB)
- • Unix LaTeX2e Transactions Style File (TAR.GZ, 204 KB)
- • WIN OR MAC LaTeX2e Transactions Style File (ZIP, 348 KB)
- • Unix Bibliography File (TAR.GZ, 204 KB)

Reference Format

- **Books:**
  - [1] G. O. Young, "Synthetic structure of industrial plastics," in *Plastics, 2nd ed., vol. 3, J. Peters, Ed. New York:* McGraw-Hill, 1964, pp. 15–64.
  - [2] W.-K. Chen, *Linear Networks and Systems. Belmont,* CA: Wadsworth, 1993, pp. 123–135.

- **Periodicals:**
  - [3] J. U. Duncombe, "Infrared navigation—Part I: An assessment of feasibility," *IEEE Trans. Electron Devices, vol.* ED-11, pp. 34–39, Jan. 1959.
  - [4] E. P. Wigner, "Theory of traveling-wave optical laser," *Phys. Rev., vol. 134, pp. A635–A646, Dec. 1965.*
  - [5] E. H. Miller, "A note on reflector arrays," *IEEE Trans. Antennas Propagat., to be published.*

- **Articles from Conference Proceedings (published):**
  - [6] D. B. Payne and J. R. Stern, "Wavelength-switched passively coupled single-mode optical network," in *Proc.IOOC-ECOC, 1985, pp. 585–590.*

- **Papers Presented at Conferences (unpublished):**
  - [7] D. Ebehard and E. Voges, "Digital single sideband detection for interferometric sensors," presented at the 2nd Int. Conf. Optical Fiber Sensors, Stuttgart, Germany, Jan. 2-5,1984.

- **Standards/Patents:**
  - [8] G. Brandli and M. Dick, "Alternating current fed power supply," U.S. Patent 4 084 217, Nov. 4, 1978.

- **Technical Reports:**
  - [9] E. E. Reber, R. L. Mitchell, and C. J. Carter, "Oxygen absorption in the Earth's atmosphere," Aerospace Corp., Los Angeles, CA, Tech. Rep. TR-0200 (4230-46)-3, Nov. 1968.

IEEE

References—Electronic Sources

- **Books:**
  - *Author. (year, month day). Title. (edition) [Type of* medium]. *volume (issue). Available: site/path/file*
  - *Example:* [1] J. Jones. (1991, May 10). *Networks. (2nd ed.) [Online].* Available: http://www.atm.com
- **Journals:**
  - *Author. (year, month). Title. Journal. [Type of* medium]. *volume (issue), pages. Available: site/path/file*
  - *Example:* [2] R. J. Vidmar. (1992, Aug.). On the use of atmospheric plasmas as electromagnetic reflectors. *IEEE Trans. Plasma Sci. [Online]. 21(3), pp. 876–880. Available:* http://www.halcyon.com/pub/journals/21ps03-vidmar
- **Papers Presented at Conferences:**
  - *Author. (year, month).* Title. Presented at Conference title. [Type of Medium]. Available: site/path/file
  - *Example:* [3] PROCESS Corp., MA. Intranets: Internet technologies deployed behind the firewall for corporate productivity. Presented at INET96 Annu. Meeting. [Online]. Available: http://home.process.com/Intranets/wp2.htp
- **Reports and Handbooks:**
  - *Author. (year, month). Title.* Company. City, State or Country. [Type of Medium]. Available: site/path/file
  - *Example:* [4] S. L. Talleen. (1996, Apr.) . The Intranet Architecture: Managing information in the new paradigm. Amdahl Corp., CA. [Online]. Available: http://www.amdahl.com/doc/products/bsg/intra/infra/html

◆IEEE

Check Reference

http://refassist.ieee.org

Graphic Files

▣ Any line art, graphs, charts, drawings, tables, and photographs will be treated as a graphic for final production.

▣ All line drawings and photos should be in black and white

▣ The current cost for color reproduction is a flat printing fee of US$1,045.00 (4 pages or less with color) plus US$62.50 per piece of color artwork.

◆IEEE

Multimedia Materials

▪ General instructions for the preparation of multimedia materials (PDF, 268 KB)

▪ Instructions for the creation of a README file for datasets. (PDF, 72 KB)

▪ Instructions for the creation of a README file for playable objects. (PDF, 72 KB)

▪ A playable file of some sort, such as a video clip or a sound file.

▪ A data set, where the author has provided raw data, possibly along with some sort of program to help viewers of the article manipulate and analyze the data.

◆IEEE

Paper Length

- No longer than **20 double-spaced pages** (12-point font, approximately 26 lines per page with 6.5-inch line length) excluding figures.

- Each manuscript must be accompanied by **index terms and a 75- to 200-word abstract** clearly outlining the scope and contributions of the paper.

- Mandatory over-length page charges of **$220.00 for each journal page exceeding 7 printed pages**

Editing Assistance

E-Submission

Dashboard

- To submit a new manuscript, click on the "Submit a Manuscript" link above.
- Clicking on the various manuscript status links under "My Manuscripts" will display a list of all the manuscripts in that status at the bottom of the screen.
- To continue a submission already in progress, click the "Continue Submission" link in the "Unsubmitted Manuscripts" list.

My Manuscripts	Author Resources
0 Unsubmitted Manuscripts **0** Resubmitted Manuscripts in Draft **0** Revised Manuscripts in Draft **1** Submitted Manuscripts **0** Manuscripts with Decisions **0** Manuscripts I Have Co-Authored **0** Withdrawn Manuscripts **0** Manuscripts Accepted for ARC **0** Invited Manuscripts	★ Click here to submit a new manuscript This section lists the subjects of the five most recent e-mails that have been sent to you regarding your manuscript submission(s). To view an e-mail, click on the link. To delete an e-mail from this list, click the delete link.

Submitted Manuscripts

Manuscript ID	Title	Date Created	Date Submitted	Status
WRK1-0048	The Effect of Moonbeams on Kittens [View Manuscript] (cover letter)	17-Feb-2005	17-Feb-2005	ADM: Not Assigned • In Review

▲ top

IEEE Resources

Recognition by those respected in your field

IEEE Conferences

Call For Papers

Search Conferences

Search Date

Select a Month ▼

Select a Year ▼

Keywords

[   ]

Locations

Select Country Name ▼

Select a State/Province ▼

Enter City name

Select a Region ▼

Record #

Numerics only

Sponsor

Select the IEEE Sponsor ▼

☐ **Exhibits**

☐ **Tutorials**

Search

◆ Upcoming conferences and events

2010 9th International Conference on Environment and Electrical Engineering (EEEIC)

Promotes a forum where people involved with electrical power systems may exchange their experiences and present solutions found for actual and future problems.

16 May – 19 May 2010 | Prague, Czech Republic

› Learn more

2010 IEEE International Symposium on Circuits and Systems (ISCAS)

The symposium focuses on circuits and systems employing nanodevices and circuit fabrics and their implementation cost, switching speed, energy efficiency, and reliability.

30 May – 2 June 2010

› Learn more

**2010 IEEE Internatio...
Technology Conferen...**

May 2010

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Click shaded dates to see conferences
Click arrows to view other months

IEEE每年在中国地区举办200多场会议
查看IEEE所有征稿信息请登录
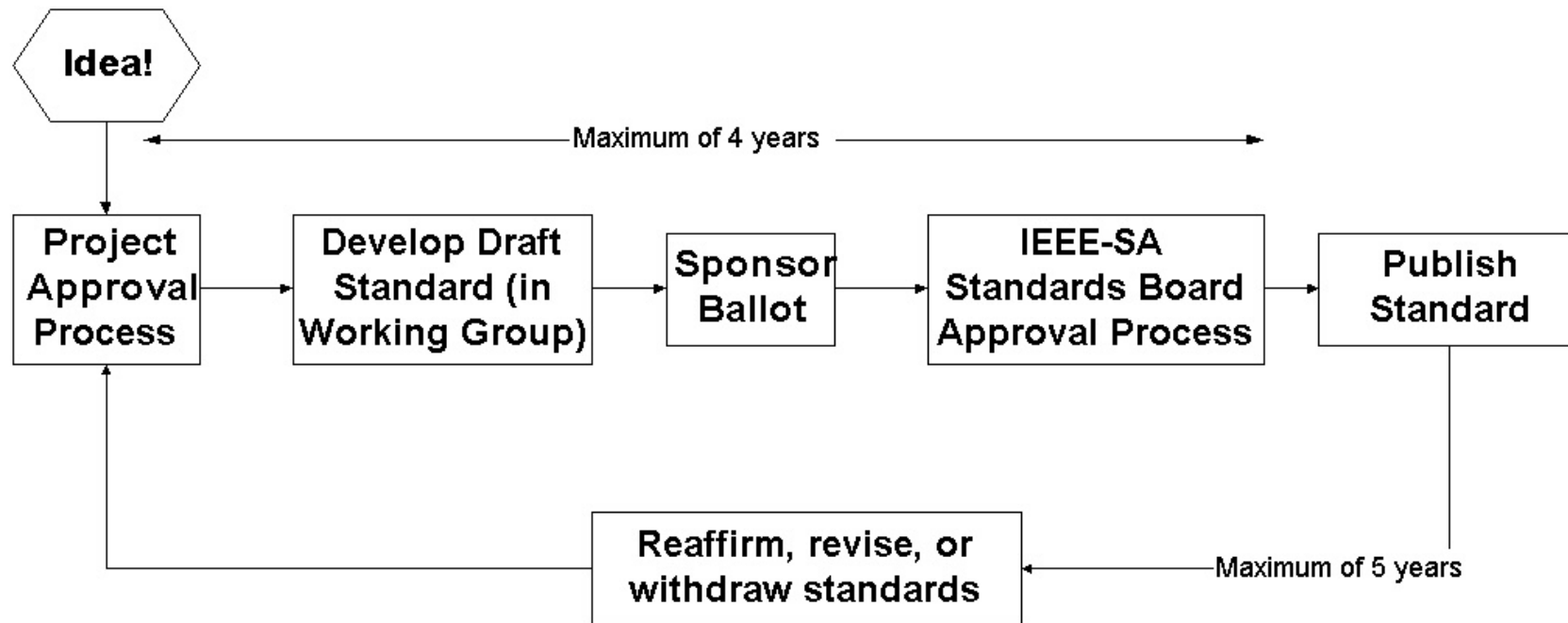http://www.ieee.org/conferences_events/index.html

# IEEE Standard Development

- IEEE标准中国企业会员
  - 清华大学，北京交通大学，北京邮电大学，天地互连，中国移动，中国电信，烽火科技，华为，上海普然通信，中兴，国家电网，新能源科技有限公司等

IEEE Standards Development: Process Flow

# IEEE Mini-Grants and Student Application Papers

- SEC is offering Mini-Grants to students and faculty mentors

- Help with graduate and undergraduate last-year design projects that contain an industry standards component

  – $500 grants for students
  – $300 grants for faculty advisors
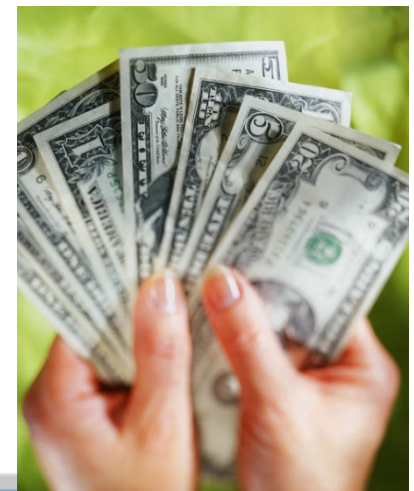
Final student papers are now posted on the following topics:

- Applications of IEEE 802.11b Wireless Standards in the Realization of a New Service Paradigm for New Jersey's Garden State Parkway

- Dynamic Backoff for IEEE 802.15.4 Beaconless Networks

- Wireless Body Area Networks for Healthcare: A Feasibility Study

- Wireless Wearable Motion Sensor for Use in Medical Care

- Environment Temperature Control Using Modbus and RS485 Communication Standards

- Wireless Telemedicine as Part of an Integrated System for E-medicine

- Build an IEEE 802.15.4 Wireless Sensor Network for Emergency Response Notification for Indoor Situations

- http://standardseducation.org/applications

◆IEEE

Check Status and Get Involved!
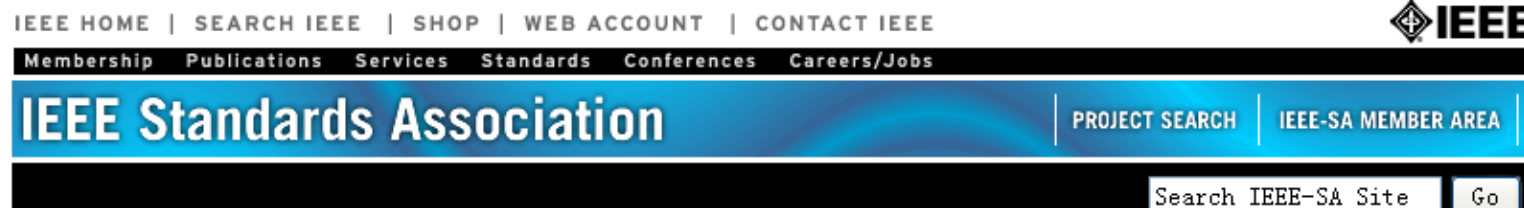
Designation: P2030

Sponsor: SASB/SCC21-

Title: Guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation with the Electric Power System (E) Applications and Loads

Status: New Standard Project

Technical Contact: Richard DeBlasio, Phone:303-275-4333, Email:dick_deblasio@nrel.gov ** for non-technical questions, including pricing, ordering, please contact IEEE Customer Service at 1-800-678-IEEE (in the U.S.and Canada), or 1-732-981-0060 (outside the U.S. and Canada email to customer-service@ieee.org.

History: PAR APP: Mar 19, 2009

Project scope: This document provides guidelines for smart grid interoperability. This guide provides a knowledge base addressing termino characteristics, functional performance and evaluation criteria, and the application of engineering principles for smart grid interoperal electric power system with end use applications and loads. The guide discusses alternate approaches to good practices for the smart grid

Project purpose: This standard provides guidelines in understanding and defining smart grid interoperability of the electric power system applications and loads. Integration of energy technology and information and communications technology is necessary to achieve seamless electric generation, delivery, and end-use benefits to permit two way power flow with communication and control. Interconnection and int: frameworks and strategies with design definitions are addressed in this standard, providing guidance in expanding the current knowledge I knowledge base is needed as a key element in grid architectural designs and operation to promote a more reliable and flexible electric po

http://standards.ieee.org/db/status/index.shtml

IEEE Webniars

- Spectrum免费讲座，涉及最新科技：
  http://spectrum.ieee.org/webinar/

- Communication Society免费讲座，涉及通信领域热点技术：
  http://www.comsoc.org/webinars

- GOLD社团免费讲座，涉及职业发展，人文，科技等内容：

- http://www.ieee.org/membership_services/membership/gold/events/index.html

- 加入志愿者虚拟社团，获得行业最新咨询：
  https://www.ieeecommunities.org/

http://spectrum.ieee.org/

Capability vs Complexity: Building Smarter Products

Sponsored by:

IBM

PRESENTERS:

Dave West, Principal Analyst, Forrester Research

Dave works with Application Development & Delivery professionals. He is a leading expert on software development process, Agile development, Lean thinking, process improvement, project management, and requirements management. Dave earned a B.A. in computing and business from Huddersfield University in the UK and a M.Sc. in computer science from Southbank University (UK).

成为IEEE会员

	会员	学生会员	电子会员
全年	$141.0	$27.0	$55.0
半年	$70.5	$13.5	$27.5
年薪$12,900以下	50%折扣	/	/

- 会员权益
  - IEEE Spectrum Magazine
  - IEEE E-Books Classics
  - IEEE.tv 2.0
  - IEEE JobSite
  - IEEE会议折扣
  - 每年IEEE向会员提供多项奖励和奖金计划
  - 分会会员服务（杂志，新闻，在线讲座，课程等）

- 电子会员： 享有IEEE会员的所有权利，只是不再接收纸质印刷品包括 Spectrum, Potentials 和 Institute。

- 代缴服务：正式会员请联系本地分会询问是否提供代缴服务。中国代表处代缴服务仅对学生会员提供。

- IEEE全球网站 Http://www.ieee.org/join
- IEEE中文网站 http://cn.ieee.org/membership_join.html

IEEE

IEEE Student Activities

- IEEE学生分会组成：主席，副主席，秘书，指导老师，学生会员

- 获得IEEE学生奖项（多项奖学金，论文大赛，各种竞赛活动等）

- 获得会议差旅资助

- 参观著名企业/科技机构实验室

- 参与国际/国内学生分会间交流活动

- 免费参加各种学术交流活动

- 免费参加IEEE网上学生专题讲座

- 免费参加职业发展主题活动，和企业会员面对面沟通

- 获得志愿者证书，提升职业能力

Exciting Contest!

IEEE Xtreme Programming 极限编程大赛

Worldwide, 24-hour programming challenge for IEEE Student Branches

Top prize is a trip anywhere in the world to the IEEE event of the top team's choice!

http://www.ieee.org/membership_services/membership/students/competitions/xtreme/index.html

Advancing Technology for Humanity
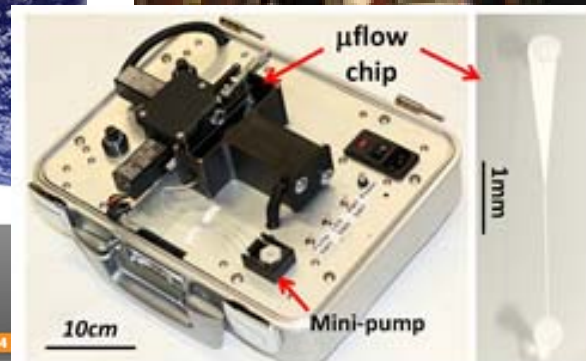
Exciting Contest!

IEEE President's "Change the World" Competition

Recognizes students or teams of students who develop unique solutions to real-world problems using engineering, science, computing and leadership skills to benefit their community or humanity

Opportunity to win US $10,000
US $ 5,000
US $ 2,500

More Resources For You

- **IEEE Fellowship/Scholarship**
  - IEEE Charles LeGeyt Fortescue Fellowship
  - IEEE Computational Intelligence Society Conference Travel Grants
  - IEEE Computational Intelligence Society Summer Research Grant
  - IEEE Components, Packaging, and Manufacturing Technology Society Graduate Fellowship for Research on Electronic Packaging
  - IEEE Computer Society Merwin Scholarship
  - IEEE Dielectrics and Electrical Insulation Society Graduate Student
  - IEEE Electron Devices Society Graduate Student Fellowship
  - ……

- **IEEE Competitions**
  - Presidents' Change the World Competition
  - IEEE Computer Society Simulator Design Competition
  - Student paper contest
  - …… http://ieee.org/membership_services/membership/students/awards/index.html

培训网站：
http://www.ieee.org/go/clientservices
培训视频：
http://www.ieee.org/training

李箐
IEEE Client Services/UPP Manager
qing-li@ieee.org